

LED CATALOG 2023

Lighting Done Right

sunledind.com





Sunled Quickship Program More Products Now In Stock

The Sunled Quick Ship Program is designed to help you receive your orders for our LED lighting products fast! When you need the highest quality LED lighting products, Sunled Quick Ship will deliver items quickly

Our most popular indoor and outdoor products are ready to ship to you. No more waiting for these items to be built-to-order, as we target having them in-stock and ready to ship serving quick turn jobs and orders with products that are available to ship.

- + Servicing last minute projects with specification products that are in stock and ready to ship
- + Up-to-date product technology without the lead-times
- + Customer satisfaction by expedited ordering and shipping process

Products identified with the quick ship logo on the spec sheets or website are prequalified for the program subject to stock availability

Contact your local representative or visit our website for further information on our Quick Ship products

www.sunledind.com





Fast Ordering Ready To Ship In Days

With Sunled's customer service and full stock of fixtures our sales team can turnaround concepts into full designs that are ready to ship in days. Quickship orders lead times are 5 calendar business days or less and are calculated from the date of an approved purchase order to the ship date.

4

Innovative Technology

Performance – Is the drive behind our products. Sunled provides the latest advanced LED lighting products using innovative LEDs and components delivered with an efficient design, for a cost saving solution that will look and operate as expected for years to come. All our products are backed by a 5-10 years warranty and dedicated customer support.

Lighting Done Right

Progressive LED technology is common to Sunled's extensive portfolio, providing high-efficiency and performance for each luminaire found within our product range. With over half a century of experience in electrical design and construction trades, Sunled's leadership has a deep understanding of the industry and the science behind LED lighting, to provide a complete collection of indoor and outdoor LED lighting solutions, precisely matching your application

Having a large U.S and international installation base coupled with the depth of our portfolio across a multitude of product families, Sunled and its partners have a solid reputation for delivering accomplished LED lighting.

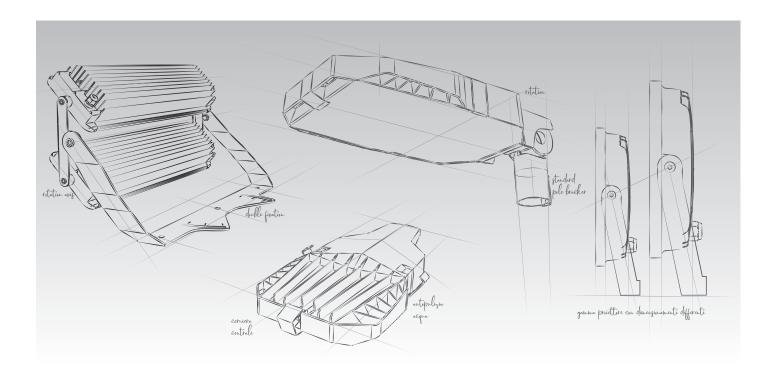
Sunled remains dedicated to providing innovative LED lighting solutions that improve both our customers' spaces and bottom lines. As the rapid progression of LED technology continues to develop, we will persistently strive to deliver superior value to our existing valued customer base with aesthetically pleasing energy-efficient lighting







Research and Development



Progressive Development

The Sunled approach is characterized by the constant sourcing of new technologies, quality materials, enhanced production processes in accordance with latest trends in design and technology.

Our portfolio is constantly being improved to meet market demands and to comply with strict US and international standards, while simultaneously meeting basic safety, visual comfort, efficiency and energy saving requirements.

Modern Design

A contemporary but minimalistic design with bold lines that blend into the environment for a collective balance between the surroundings and light, without sacrificing performance or reliability. Appealing RAL colors and hi tech finishes further enhance our fixture geometry for products that are unique, designed to improve both form and function

Innovative Technology

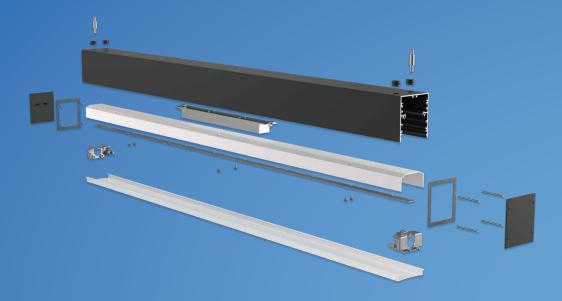
Every product is carefully crafted through the manufacturing and sourcing process with inherent innovation and quality, requiring a balance between skill and imagination. With a focus on continual research and development we are able to keep up to date with the rapid progression of LED technology to deliver industry leading performance and innovation

Advanced Production

Skilled experts craft high-end lighting products within our product portfolio, using the latest generation of advanced machinery. From the selection of raw materials to acceptance tests, every stage of our manufacturer's production process is carefully examined to the highest quality standards

Premium Sourced Components

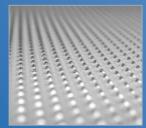
Components used in our quality products combine the most advanced LED light sources and driver technologies. The result is highly-reliable luminaire solution for both indoor and outdoor applications that reduces energy consumption, extends working life and maximizes illumination performance and quality.





ADVANCED LED CORE

Each Sunled luminaire contains premium quality LEDs made from the finest materials and produced by industry leading manufacturers. The extensive testing and procurement of each LED board contained in our fixtures enables us to provide exceptional warranty programmes on all our entire line of products



HIGH EFFICIENCY OPTICS

From the micro prismatic optical system in our commercial series to the machine polished surface treated aluminium of our industrial range, Sunled luminaires feature customised optics designed for both visual appeal and precise control, maximizing photometric performance and quality



MODULAR DESIGN

Sunled strives to create application-specific solutions with our wide range of products. An LED module system is where the parameters of a light source contained in a luminaire can be changed or fine-tuned at any time, even after installation, while still meeting any illumination requirements and consuming the least amount of energy possible. Our modular LEDs enable us to implement a single product into a wide range of applications.

Dynamic Product Development

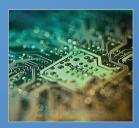
With the rapidly changing LED revolution, technology is constantly advancing to the gain the highest efficiency and quality of light from LED luminaires. Our persistent and dynamic market research focuses on maximizing efficiency in every part of the luminaire. The world class engineering of our highly experienced manufacturing plants provide overall operational excellence to produce our distinctive performance LED lighting solutions.





ENGINEERED COOLING

Strategically designed thermal management contributes to optimal illumination, reliability and longevity. From advanced heat sink technology to our vented industrial and canopy housing, Sunled luminaires are designed to maximize cooling, making minimal light loss and extended operating life possible



PREMIUM DRIVERS

Drivers utilized in Sunled luminaires are extremely reliable and are specifically designed to complement our high efficiency LEDs. Our integrated sensors and controls can offer total system solutions.



AESTHETICS

In addition to the critical design elements of Sunled luminaires needed to deliver exceptional performance and easy installation, style is not compromised. Our modern yet low-profile designs and robust finishes offer beautiful aesthetics to any indoor or outdoor application

Advantages at Every Level

Sunled is entirely committed to the continued advancement of LED lighting. From our carefully procured and extensively tested LEDs, to the robust componentry that is fitted into every luminaire, or efficient implementation of complete lighting systems, our entire portfolio benefits from Sunled's insistent pursuit of innovation, delivering most advanced LED lighting systems available.



ULTRA EFFICIENT LIGHTING

Lighting accounts for approximately 20 per cent of electricity use in most applications. Sunled offers a comprehensive range of industrial and commercial LED lighting solutions that significantly reduce electricity consumption and operating costs for indoor and outdoor applications



EASY INSTALLATION

Ease of installation forms part of our early stage product procurement. From the tool less quick connectors found in our industrial range, to the traditional mounting options available for our commercial troffers, or the plug and play drivers of our car park products, Sunled luminaires can work as well for renovations as for new lighting install opportunities.



CUT MAINTENANCE COSTS

Savings in maintenance is a major benefit of LED lighting. Designed for extended life, Sunled luminaires will last much longer than conventional lighting, for fewer replacements over time and less money spent on maintenance



REDUCED BOTTOM LINE

Sunled's energy efficient and long-lasting LED lights mean financial savings in both operational costs and maintenance due to extended product life. Usually the payback period for our LED lighting systems range from one to three years.



CONSISTENT ENERGY SAVINGS

The main advantage of LED lighting is reduced power consumption or efficacy, a measure of light output per unit of power.

As energy demands rise over the next decade, cost savings and carbon reduction from upgrading to LED lighting will continue to reduce operational costs.



ENERGY REBATES

According to Research, there was over \$370 million available in utility rebate funding for commercial and industrial LED lighting and controls in 2022-23

With a little help from our friendly sales professionals, you could receive a significant rebate for using energy-efficient lamps or luminaires from Sunled on your next project.

Indoor Applications



AIRPORTS

Air travel requires the right amount of ground light. Our LED lighting solutions provide bright, even illumination while slashing energy consumption and maintenance costs.





PARKING GARAGES

24/7 operation requires superior light quality, virtually no maintenance. Under LED lighting, shadows are minimized, safety is enhanced and security cameras operate more efficiently with energy savings as high as 70%.



CORPORATE

The precise illumination of our LED office range provides for a pleasant working environment, accurate colour rendering and reduced glare and flicker. Good office lighting enhances workplace productivity and reduces stress

WAREHOUSE & INDUSTRIAL

Large spaces gain benefits from our LED lighting solutions. The bright, even illumination speeds



LOGISTIC CENTERS

We provide our logistical customers with high power lighting solutions that will cut their energy costs, while providing longevity and efficiency to keep working hard for their business.

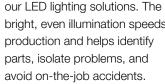
INDOOR SPORTS FACILITIES

LED offers energy efficient solutions for all types of indoor sporting applications. Our sports lighting products provide performance outcomes in terms uniformity, illumination and eliminating glare, ensuring good visibility for both players and spectators

EDUCATION FACILITIES

Schools and colleges can benefit from lower operating costs and minimal maintenance. Full-spectrum, flicker-free lighting provides improved visibility in classrooms, while enhancing safety and security.





CONVENIENCE STORES

An attractive, inviting, LED-lit indoor environment will attract customers, re-enforce your brand image - all while saving you energy.

Our luminaires will display products at their best and highlight specific products and draw people's attention.



GAS STATIONS

Make service islands more inviting, drivers feel safer and better informed with driveway aisles and gas pumps that stand out with our range of canopy products.

Outdoor Applications



SPORTS FIELDS

Taking into account visual comfort and uniformity, Sunled's sharp cut off sports lighting products limit environmental impact by reducing glare, light spillage, and sky glow.



PARKS & PATHWAYS

Our performance LED technologies casts light with plenty of highly accurate colors ensuring visitors are greeted by well-lit, reassuringly inviting parks that make safer and pleasant surroundings



CAR DEALERSHIPS

Attract more customers by increasing curb appeal and showcasing your dealership using purpose built front line LED luminaires throughout car yards showrooms, offices and service bays.

PARKING LOTS

Our energy efficient parking lot products, have been selected with the latest technologies to deliver optimum "seeability" and security to outdoor parking areas. Under our range shadows are minimized, safety is enhanced and CCTV operates more efficiently



BUILDING PERIMETER

Aesthetic building features are enhanced making pleasant surroundings using the crisp illumination of our industry leading fixtures. Glare induced complaints are eliminated by accurate distributions with sharp cut off



FACADE

Sunled's flood and facade fittings can transform a building at night creating an attractive advertisement that can be seen from afar. Our lighting solutions also enable flexible color accents suited to any occasion

Photometry and Stress Testing



Photometry defines the measurement and distribution of light output to help lighting professionals select products and options that are most appropriate to their requirements. Photometric data of our entire products range is measured in a lighting laboratory with a digital goniophotometer, ensuring a correct and realistic lighting design

Sunled's entire range is also assessed in a laboratory for mechanical and construction properties of IP-degrees, impact resistance (IK ratings) and mechanical stress tests including static, torsion and shear loads





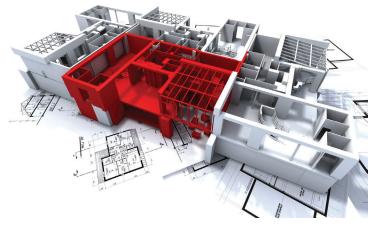
DLC LISTED-ENERGY STAR LISTED

Sunled lighting and control products have earned nationally recognised DLC or Energy Star certification making them eligible for up to 85% rebates from energy retailers and government bodies



LIGHTING DESIGN

Sunled offers to its customers a lighting design service through its skilled engineers and the lighting design software AGI32. By supplying CAD plans of the areas for which lighting design is requested, our design department will be pleased to recommend the most suitable luminaires and installations and ensure products are implemented to their maximum capacity and operating efficiency





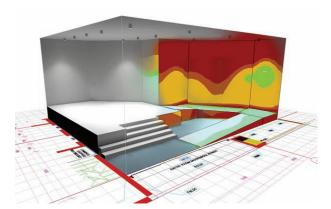


Table Of Contents

1 COMMERCIAL Troffer

Troffer	15
Linear	25
Recessed Downlighting	39

14

48

2 ARCHITECTURAL

Steps, Corridor & Wall	50
Cylinders/Surface Downlighting	58
Ingrade	67
Facade	73



3 URBAN	80
Low Level Pathway/Pole Top	82
Bollards	91



4 OUTDOOR WALL	101
Full Cutoff	103
Semi Cutoff	117
Forward Throw	120

5 CANOPY	123
Parking Garage	125
Awning	129

6 INDUSTRIAL 138

Round Highbay	140
Linear Highbay	158
Vapor	169



7 LED FLOOD	177
Sports	179
General Floodlighting	192

8 SITE LIGHTING 199

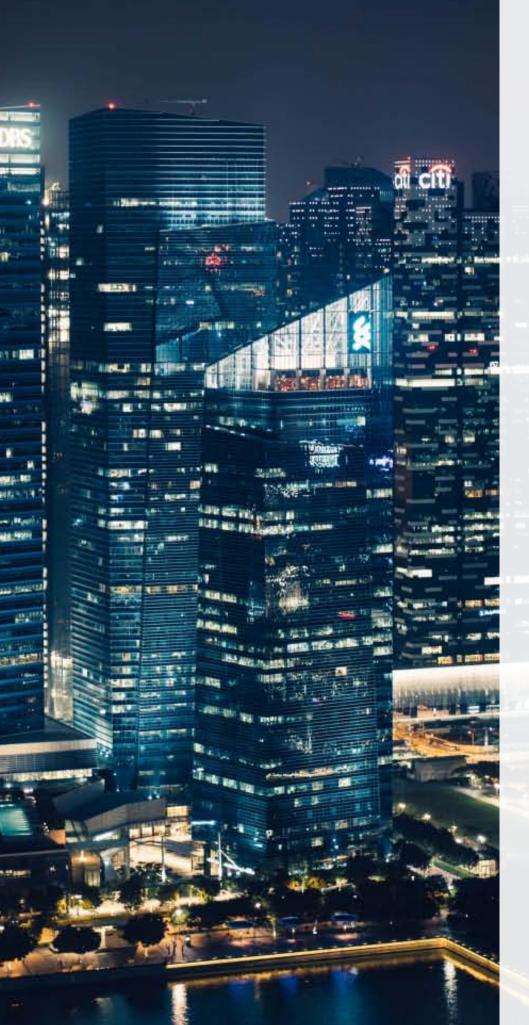
Area	201
Roadway	212

9 LIFE SAFETY

Emergency LED Driver	218
Emergency and Exit Lights	224

217

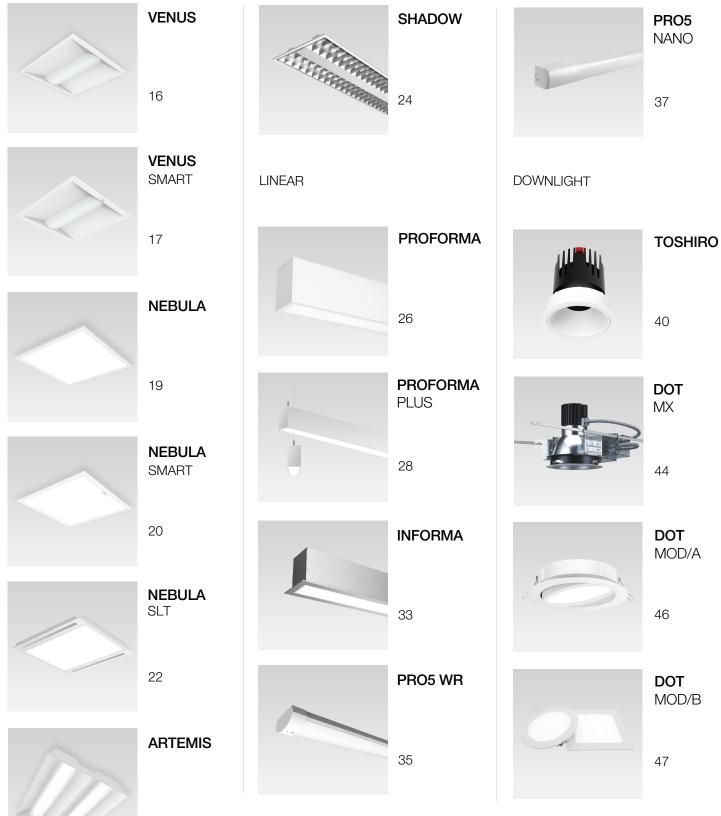
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1 Commerical

1 COMMERCIAL

TROFFER



Troffer

Our specification grade range of commercial and architectural troffer's are equppied with the latest technology, designed to exceed expectations both in build quality and output. Combined with a limited warranty program and long operational life, Sunled's troffer's are guaranteed to provide reliable illumination for years to come



Applications: Office buildings, education and healthcare, convenience stores, supermarkets and retail, civic and government

PERFORMANCE SUMMARY

The attractively-priced Venus is your best-in-value ambient lighting solution for office, retail, healthcare and other commercial projects.

The Venus is a center-basket troffer features a contemporary design and high-efficiency LED technology. The fixture's shallow depth allows for easy installation and multiple adjustment options offer versatility for configuration—all backed by reliable performance.

Features

- High reflectance optical engine delivers main beam focus through the optically designed acrylic lens.
- Ribbed acrylic lens overlay manages balance of efficiency and aesthetics.
- Reformative optics delivering comfortable low brightness distribution for a wider, smoother and more uniform light output
- Long-life LEDs that maintain 70% of their lumen output at 60,000hours (L80/60.000hrs)
- Lumen packages ranging from 3,250 to 6,500 lumens
- Tunable CCT from warm(3000k) to daylight (4000k) to cool (5000k)
- 1.8" mount depth
- At side space saving driver design

Electrical

- Up to >130LPW with high efficiacy output
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection
- Dimming (0-10V) and Architectural Narrow lens are standard. Emergency battery pack option
- 3-way fully adjustable power selection switch
- At side space saving driver design

Specification

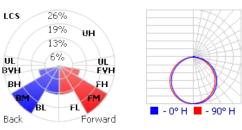
Volts: AC110-277V Average Rated Life: L70/60,000hrs CRI: RA80 Beam Angle: 110° Ambient Temp: -4°F to 105°F Dimming: 0-10v THD: <20% PF: >0.95

PRODUCT CODE

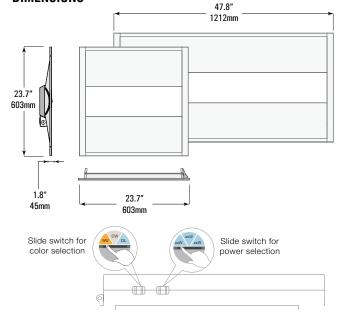
Example Venus cat. 2/2.35.345.MS.0



PHOTOMETRICS



DIMENSIONS



Model No	Dimension	Wattage (W)/ Lumens	CCT (°K)	Control	Emergency
Venus	2/2 - 2x2ft 23.7" x 23.7" x 1.8"	35 - 25/35W 3250/4550Lm	345 - CCT Changeable	MS - Microwave Sensor	E1 - 8W Emergency
	2/4 - 2x4ft 23.7" x 47.8" x 1.8"	50 - 33/40/50W 4290/5200/6500Lm	3000/4000/5000	0 - None	E2 - 15W Emergency
	X IO X 1.0	···			0 - None



Applications: Office buildings, education and healthcare, convenience stores, supermarkets and retail, civic and government

PERFORMANCE SUMMARY

The attractively-priced Venus is your best-in-value ambient lighting solution for office, retail, healthcare and other commercial projects.

The Venus is a center-basket troffer features a contemporary design and high-efficiency LED technology. The fixture's shallow depth allows for easy installation and multiple control options offer versatility for configuration—all backed by reliable performance.

Features

- Featuring Plug and Play Bluetooth Smart Technology (BST) direct wireless control
- Smart sensor control equipped with embedded daylighting and motion sensors for intuitive lighting control
- Reformative optics delivering comfortable low brightness distribution for a wider, smoother and more uniform light output
- Lumen packages ranging from 3,770 to 6,250 lumens
- Tunable CCT from warm(3500k) to daylight (4000k) to cool (5000k)
- Up to >145LPW with high efficiacy output
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection
- 2.59" mount depth
- Emergency battery pack option

Specification

Volts: AC100-277V Average Rated Life: L80/60,000hrs CRI: RA80 Beam Angle: 120° Ambient Temp: -4°F to 104°F Dimming: 0-10v THD: <20% PF: >0.9

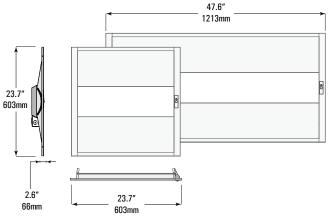
Model No	Output	Dimension	Wattage (W)/ Lumens	CCT (°K)	Wall Switches ³	Options ¹
Venus Smart	LP Low Power	2/2 - 2x2ft 23.7" x 23.7" x 2.6"	30 - 30W/3,750lms	345 - CCT Changeable	SRS(n) - Solar Remote Switches	E1 - 8W Emergency
	125lm/W	2/4 - 2x4ft 23.7" x 47.8" x 2.6"	50 - 50W/6,250lms	3500/4000/5000	WS(n) - Smart Wireless Wallswitch	E2 - 15W Emergency
	HP Histo Danas	2/2 - 2x2ft	26 - 26W/3,770lms		0 - None	BST ² - Bluetooth Smart Control
	High Power 145lm/W	23.7" x 23.7" x 2.6"				0 - None
NOTES		2/4 - 2x4ft 23.7" x 47.8" x 2.6"	40 - 40W/5,800lms			

¹EM and BST can be selected together

²BST includes smart sensor function that can be programmed with smart phone app or wall switches (at least one per job location) ³Denotes 'n' quantity required



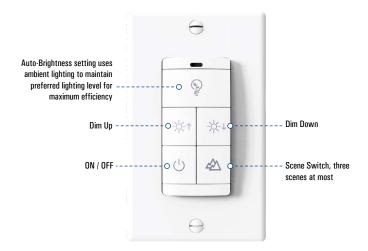
DIMENSIONS



VENUS SMART

Single Basket LED Smart Troffer

WIRELESS LIGHTING CONTROL SYSTEM Bluetooth Switch



Smart Sensor



Features

- Occupancy sensor and daylight harvesting sensor
- Embedded Bluetooth communication module
- Supports 1-channel and 2-channel dimming
- Low profile and can be inserted into any luminaries
- Operated by Light Remote LED APP
- Can match with various antennas in different luminaries.
- Working temperature: -30~80°C (-22~176°F)

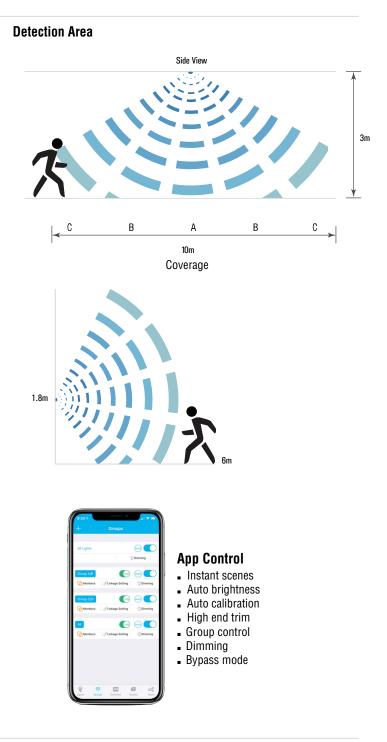
Wall Switches



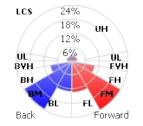
SRS Solar Remote Switch

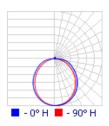


WS Smart Wireless Wallswitch



PHOTOMETRICS







Applications: Office buildings, education and healthcare, convenience stores, supermarkets and retail, civic and government

PERFORMANCE SUMMARY

The Nebula Series from Sunled Industries offers the ultimate in versatility featuring a 3 way power switch or adjustable CCT providing nine panel solutions in one.

Nebula offers the ultimate in mounting flexibility with an integrated side mount driver and durable thick gauge cold rolled light steel body allowing this low-profile panel to suspend, mount directly to the surface, or integrate in a standard T-grid ceiling.

It is suitable for both new construction and renovation for applications such as schools, commercial office, retail and healthcare applications.

Features

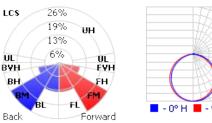
- Flicker free driver and PMMA covered lens for outstanding light quality
- Multi function junction box supports battery backup wiring, sensor connection and series panel connection
- High output Samsung LEDs
- Tunable CCT switch from warm white (3000k) to daylight (4000k) to cool white (5000k)
- At side space saving driver design
- Standard 0-10v dimmable .
- Available in emergency battery backup option .
- DLC Premium 5.1 qualified product •
- 3-way fully adjustable power selection switch

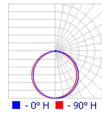
Specification

Volts: AC100-277V Average Rated Life: L70/60,000hrs CRI: RA80 Beam Angle: 120° **Environment Location: IP40** Ambient Temp: -4°F to 122°F Dimmina: 0-10v Emergency: 90min/170VAC **Optics: PMMA Lens**

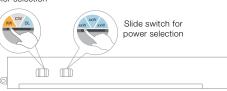


PHOTOMETRICS









PRODUCT CODE

Example Nebula cat. 2/4.50.345.R.E1

Model No	Dimension	Max Wattage (W)/ Lumens	CCT (°K)	Mounting	Control
Nebula	1/4 - 1x4ft 11.6 x 47.7 x 1.26"	40 - 20/30/40W 2600/3900/5200Lm	345 - CCT Selectable 3/4/5000K	S - Surface SS - Suspended	E1 - 8W/90min Emergency
	2/2 - 2x2ft 23.7 x 23.7 x 1.26"	40 - 20/30/40W 2600/3900/5200Lm	456 - CCT Selectable 4/5/6000K	R - Recessed	E2 - 15W/90min Emergency 0 - None
	2/4 - 2x4ft 23.7 x 47.7 x 1.26"	50 - 30/40/50W 3900/5200/6500Lm			U - NUTE

NEBULA SMART

Smart Backlit Panel Troffer



Applications: Office buildings, education and healthcare, convenience stores, supermarkets and retail, civic and government

PERFORMANCE SUMMARY

The Nebula Smart Panel Series from Sunled Industries is a versatile luminaire designed to provide a comfortable flicker free lighting output. It comes in 1x4, 2x2 and 2x4 wide beam with enhanced backlit optics producting low glare and consistant illumination for a shadowless, uniform lighting distribution.

Complete with embedded wireless smart technology the Nebula Smart Series is the ideal low profile replacement for general lighting applications such as open offices, schools, healthcare and retail.

Electrical

- Plug and Play Bluetooth Smart Technology (BST) direct wireless control
- Smart sensor control equipped with embedded daylighting and motion sensors for intuitive lighting control
- Lumen packages ranging from 3,750 to 6,250 lumens
- Premium driver features over-voltage, under-voltage, short-circuit and over temperature protection
- Emergency battery backup option

Construction

- Translucent white polystyrene optics deliver soft and comfortable lighting for a more uniform output
- . Light-weight cold rolled steel frame and aluminium backing
- Lead free and eco-friendly with zero maintenance design
- 1.37" mount depth

NOTES

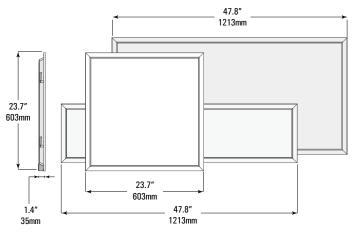
¹E1/E2 and BST can be selected together ²BST includes smart sensor function that can be programmed with smart phone app or wall switches

(at least one per job location)

³Quantity required 'n'



DIMENSIONS



PRODUCT CODE

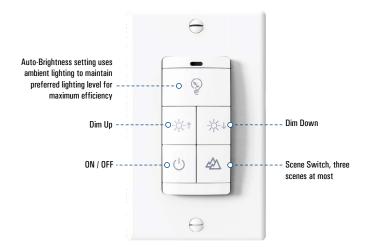
Example Nebula Smart cat. 2/4.40.35.S.WS(2).BST

Model No	Dimension	Wattage (W)/ Lumens	CCT (°K)	Mounting	Wall Switches ³	Options ¹
Nebula Smart	1/4 - 1x4ft 11.9 x 47.8 x 1.37"	30 - 30W/3,750Lm 36 - 36W/4.500Lm	35 - 3500 4 - 4000	S - Surface SS - Suspended	SRS(n) - Solar Remote Switch	E1 - 8W Emergency
	2/2 - 2x2ft	30 - 30W/3,750Lm	5 - 5000	R - Recessed	WS(n) - Wireless Wall Switch	E2 - 15W Emergency
	23.7 x 23.7 x 1.37"	36 - 36W/4,500Lm			0 - None	BST ² - Bluetooth Smart Control
	2/4 - 2x4ft 23.7 x 47.8 x 1.37"	40 - 40W/5,000Lm 50 - 50W/6,250Lm				D - 0-10V Dimmable
						0 - None

NEBULA SMART

Smart Backlit Panel Troffer

WIRELESS LIGHTING CONTROL SYSTEM Bluetooth Switch



Smart Sensor



Features

- Occupancy sensor and daylight harvesting sensor
- Embedded Bluetooth communication module
- Supports 1-channel and 2-channel dimming
- Low profile and can be inserted into any luminaries
- Operated by Light Remote LED APP
- Can match with various antennas in different luminaries.
- Working temperature: -30~80°C (-22~176°F)

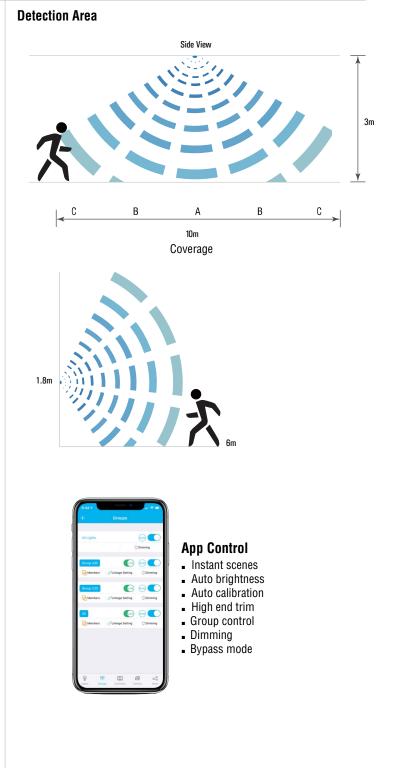
Wall Switches



SRS Solar Remote Switch



WS Smart Wireless Wallswitch





Applications: Office buildings, new and retrofit corporate fitouts, education and healthcare, government

PERFORMANCE SUMMARY

Converting installations using ceiling space negative pressure for return air has been made simple with the introduction of the Nebula SLT return air fixtures.

Installations using troffers as air handling can now access the lighting improvements, energy efficiency and zero maintenance benefits of the Nebula SLT Series as return air fixtures

Features

- All-in-one ceiling troffer and return air grille
- Unique screwless mounting kit standard mounted to fixture backhouse for easy installation
- Multiple installations for grid and drywall ceilings
- Ultra thin 11mm mounting depth, 60% thinner than ordinary panel fixtures
- Industry leading operating efficiency of 130lm/W delivered output
- High CRI Osram LED lamps
- Standard 0-10v dimmable
- Available in emergency battery backup option
- IP44 rated for dust and water

Specification

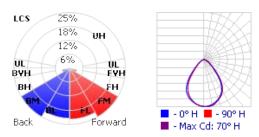
Volts: AC100-277V Average Rated Life: 70,000hrs CRI: RA82 Beam Angle: 110° Environment Location: IP44 Ambient Temp: -4°F to 122°F Dimming: 0-10V Emergency: 3hr/18W/6000mAh

PRODUCT CODE

Example Nebula SLT cat. LP.1/4.36.35.DIM



PHOTOMETRICS



Benefits

- Maintain expectional efficiency and performance
 of LED technology in a return air fixture
- Provides soft balanced light
- Easily fits into narrow ceilings

Model No	Output	Dimension	Wattage (W)/ Lumens	CCT (°K)	Control
Nebula SLT	LP Low Power	1/4 - 1x4ft 301 x 1212 x 11mm	36 - 36W/3,960Ims	35 - 3500 4 - 4000	EM - Emergency Backup
	110lm/W	2/2 - 2x2ft 603 x 603 x 11mm	36 - 36W/3,960lms	5 - 5000	DIM - 0-10V Dimmable 0 - None
		2/4 - 2x4ft 603 x 1212 x 11mm	48 - 48W/5,280ms		
	HP High Power	2/2 - 2x2ft 603 x 603 x 11mm	25 - 25W/3,250lms		
	130lm/W	2/4 - 2x4ft 603 x 1212 x 11mm	36 - 36W/4,680lms		



Applications: Office buildings, new and retrofit corporate fitouts, convenience stores, education and healthcare, supermarkets and retail

PERFORMANCE SUMMARY

Sunled's Artemis Series LED combines its optimal illumination design and contemporary styling with soft, smooth and comfortable CRI85+ technology.

Artemis's high performance LED system, advanced light distribution and attractive appearance deliver unprecedented energy savings, comfort and aesthetics outperforming fluorescent achieving best case watts-per-square foot scenarios.

Features

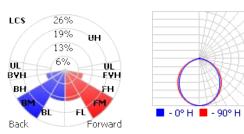
- Advanced reformative optics delivering comfortable low brightness distribution for a wider, smoother and more uniform light output
- Operating efficiency of 105lm/W delivered output
- High CRI Osram LED chips
- Thick gauge alloy construction
- Standard 0-10v dimmable
- Surface, recessed or suspended installation
- Available in emergency battery backup option

Specification

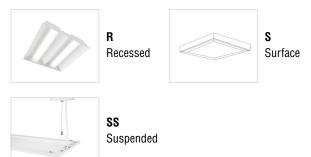
Volts: AC100-277V Average Rated Life: 70,000hrs CRI: RA85 Environment Location: IP40 Beam Angle: 110° Ambient Temp: -4°F to 122°F Emergency: 3hr/18W/6000mAh



PHOTOMETRICS



MOUNTING



PRODUCT CODE

Example Artemis 6/6 cat. 35.35.R.DIM

Model No	Wattage (W)/ Dimensions	CCT (°K)	Mounting	Control	
Artemis 6/6	35 - 35W/3,600 lms 603mm x 603mm x 80mm	35 - 3500 4 - 4000	R - Recessed S - Surface	DIM - 0-10V Dimmable	
Artemis 3/12 42 - 42W/4,350lms 301mm x 1212mm x 104mm		5 - 5000	SS - Suspended	EM - Emergency 0 - None	
Artemis 6/12	55 - 55W/5,660 lms				

1212mm x 603mm x 80mm

SHADOW LED Louver Troffer



Applications: Office buildings, new and retrofit corporate fitouts, education and healthcare, government

PERFORMANCE SUMMARY

Using advanced LEDs and superior luminaire design, the Shadow Series delivers even illumination and reduced glare, while creating a quiet ceiling with improved proportions

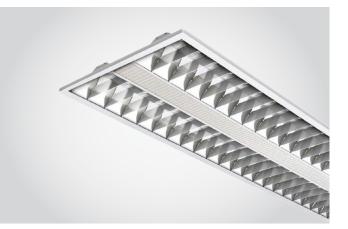
The Shadow Series offers a high-performance energy-saving alternative to fluorescent and parabolic fixtures. Multiple lumen packages, and integrated controls provide exceptional value; ideal for retail, educational, and commercial applications.

Features

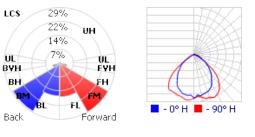
- Low glare, high efficiency dual louvers combined with central illuminated diffused panels
- Next Gen LEDs, 4000k SDCM3 CRI 85+ .
- Creates a quiet ceiling with improved proportions .
- Designed for a standard grid ceiling, special sizes to order and air . handling options
- Sturdy low profile steel body, powder coated, phosphate . pre-treatment
- High efficiency central louvers with excellent optical control
- Remote premium flicker free drivers, DALI and other dimming versions available

Specification

Volts: AC100-277V Average Rated Life: L80/50,000hrs CRI: RA85 PF: > 0.9 Distribution: 100° Ambient Temp: -4°F to 122°F Dimming: 0-10V Emergency: 3hr/18W/6000mAh



PHOTOMETRICS













Suspended



RA Return Air Slots

PRODUCT CODE

Example Shadow 6/6 cat. 30.3.R.RA.DIM

Model No	Wattage (W)/ Dimensions	CCT (°K)	Mounting	Options	Control		
Shadow 6/6	35 - 35W/3,500 lms 603mm x 603mm x 18mm	3 - 3000 4 - 4000	R - Recessed S - Surface	RA - Return air slots	DIM - 0-10V Dimmable		
Shadow 3/12	40 - 40W/4,000 lms 301mm x 1212mm x 18mm	5 - 5000	5 - 5000		D - Drywall Kit SS - Suspended	0 - None	DAL - DALI EM - Emergency
Shadow 6/12	60 - 60W/6,000 lms 603mm x 1212mm x 18mm	65 - 6500			0 - None		

Linear

Sunled's surface mounted and pendant linear range are made to deliver exceptional performance at a fraction of the energy. Coupled with a notable appearance and range of finishes, this line is the best in-choice for new construction retrofit projects

PROFORMA Specification Linear LED



Applications: Offices, education and healthcare, government, corporate, retail

PERFORMANCE SUMMARY

The Proforma Linear Series is a specification line of linear products, created with architects and lighting designers in mind. It offers a full linear lighting portfolio that's extremely versatile but very simple to design, configure and install.

Combining sleek seamless lines, brilliant color guality and ultra-smooth dimming, the Proforma Series is a modern solution designed to enhance both form and function.

Construction

- Pendant, surface or wall mounted installation offering full linear 2.8"
- portfolio with multiple corner configurations to design an entire space Simple joining and alignment mechanics optimize stability and straightness of patterns and linkable runs
- Horizontal corners for geometric patterning
- Pendant option employs standard cables connected end to end up to 7 fixtures continous
- Black or white finish options
- 6.5' adjustable hanging cable

Optics

- Uplight/downlight option for suspended and wall mount variants
- 100° beam distribution
- Tunable CCT switch from 3000k to 4000k to 5000k with separate switch for both distributions
- Illuminated connectors
- SDCM: <3 UGR: <22 CRI: RA80</p>

Electrical

- Enhanced ultra smooth dimming down to 5% compatible with most Lutron and Leviton controllers
- Class 2 high efficiency LED driver, with a standard 1-10V dimming .
- Volts: AC120-277 .
- **Environment Location: IP40** .
- Average Rated Life: L70/50,000hrs

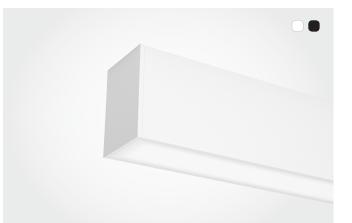
PRODUCT CODE

Example Proforma cat. 2.20.345.P.L.X.B.0

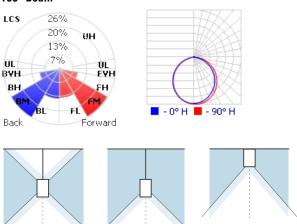
Model No	Length	Wattage	CCT (°K)	Mounting	Linkage	Connector ¹	Color	Options
Proforma	2 - 2ft	20 - 20W U520Im/D2080Im	345 - CCT Selectable	P ¹ - Pendant	L - Linkable	X - 4 Sided 15W/1500lm	B - Black	EM - Emergency Backup
			3/4/5000	W - Wall	S - Single		W - White	
	4 - 4ft	40 - 40W U1300lm/D3900lm	0 - 40W C - Ceiling		L - 2 Sided 12W/1200Im		0 - None	
						T - 3 Sided		
	8 - 8ft	80 - 80W				12W/1200lm		
		U2600lm/D7800lm				0 - None		

NOTES:-

¹Standard configuration 6.5' adjustable cable pendant and 5 wire power cord 23/4/5000K CCT selectable direct/indirect



PHOTOMETRICS 100° Beam



Direct Pendant

Ceiling Mount

Direct/Indirect Pendant

Direct/Indirect Wall



Direct Wall

PROFORMA

Specification Linear LED

CONNECTOR











MOUNTING





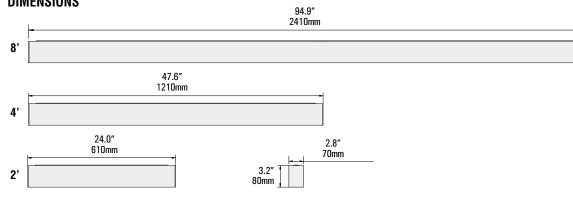


W Wall

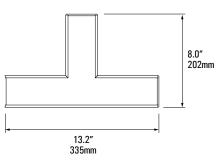
P Pendant



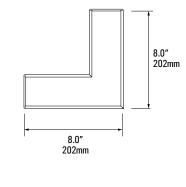
DIMENSIONS



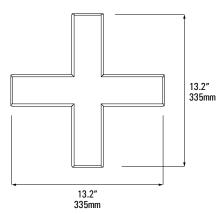
3-Sided







4-Sided



Proforma Plus Linear Luminaire UNLOCK THE POTENTIAL OF EVERY SPACE FROM DESIGN TO INSTALLATION

With the capabilities of Sunled's Proforma Plus Linear modular design and wide ranging choices of linkable accessories, it is possible to create a perfectly blended space whilst maintaining a premium level of performance

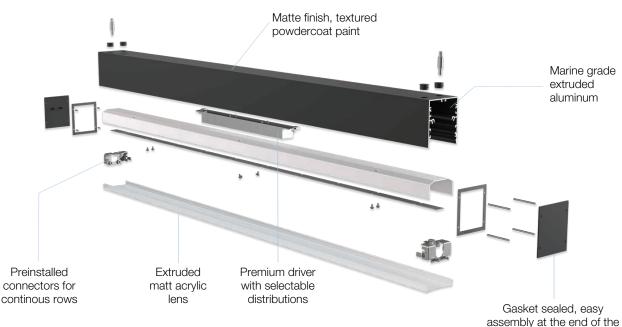
The Proforma Series was created with architects and lighting designers in mind. It offers a full linear lighting line that's extremely versatile and simple to design, configure and install

Combining sleek seamless lines, brilliant color quality and ultra-smooth dimming, the Proforma Series is a modern solution designed to enhance both form and function.

The Proforma Series direct/indirect solution does it all, in a system with a small scale 2.4" extruded profile that not only provides straight lines but also well-controlled ambient lighting with separate control of direct and indirect lighting - an excellent choice for commercial and retail ambient applications

- Incorporating precision optics, the Proforma Series offers 7 in 1 embedded direct/indirect lighting distributions by adjustiable DIP switch
- Ultra smooth full-range 0-10V dimming for both direct/indirect beam angles
- . Low profile extruded marine grade matte finish aluminum in 2'/4'/8' lengths
- . Linkage option as standard for a quality fit and continuous connection on the full portfolio

- Continuous runs or patterns with 5 joiner types including line, 90 deg or 120 degree configurations, creating a truly dynamic space
- Specialized batwing distribution reduces total fixture count in both up/down beam while maintaining overall uniformity
- Mounting accessories for every application in suspended, surface and wall mount.
- . Assembled in our US facility from imported parts



lens to prevent light leakge

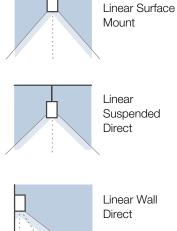
Extend Creative Boundaries Beyond Limits

Full suite of creative geometric patterns and corners for simple illumination projects to precision lighting solutions



- 90/120° horizontal cornering for versatile geometric patterning +
- Linear runs available virtually on any length +
- Drop ceiling t-grid or dry plaster installation brackets work with + all ceiling types including 9/16" flat, 9/16" slot, 15/16" flat
- Wide range of canopy accessories for non-power, standard or + emergency backup feeds available in square or round canopy style. Standard configuration 1pc 4' AC feed / 1pc 2' canopy
- Up to 42ft run or 1pcs 2' fixtures connected in series from a + single AC120V power source
- Can be ordered with 42ft continous diffuser roll for seamless 'no + gap' linkage between fixtures
- Lengths of 2' to 8' for increments up to 42' with just one power + drop
- 5' suspended luminaire with only two suspension mounts for + quick and easy installation
- Direct/indirect options for all mounting variants +
- Line and geometric connectors slot seamlessly in all mounting + types: suspended (standard aircraft cable), surface and wall mount
- Entire line can be design starting at 2' increments to 8', linked + to any length fixture or installed individually for a clean continuous look

MOUNTING OPTIONS/ DISTRIBUTION



Linear Wall



Linear Wall Direct/Indirect



Linear Suspended Direct/Indirect



PROFORMA PLUS

Specification Linear LED



Applications: Offices, education and healthcare, government, corporate, retail

PERFORMANCE SUMMARY

The Proforma Linear Series is a specification line of linear products, created with architects and lighting designers in mind. It offers a full linear lighting portfolio that's extremely versatile and simple to design, configure and install.

Combining sleek seamless lines, brilliant color quality and ultra-smooth dimming, the Proforma Series is a modern solution designed to enhance both form and function.

Construction

- Flexible linear lighting family featuring elegant finishes, professional optics and unprecedented performance
- Simple joining and alignment mechanics optimize stability and straightness of patterns and continuous runs
- Pendant, surface or wall mounted installation offering full linear 2.3" portfolio, with multiple corner configurations to design an entire space
- Suspended installation employs aircraft cables that can be connected end to end with 6 different canopy options
- White or black fixture colors to complement every design and decor
- Enhanced design flexibility with 2', 4' or 8' length increments
- . Configurable for individual or continuous runs of up to 40' with 90° or 120° joiners

Optics

- 110° wide beam uplight distribution
- 7 in 1 direct/indirect embedded lighting distribution controllable by adjustable switch
- Tunable CCT switch from 3000k to 3500k to 4000k
- SDCM: <3 UGR: <22 CRI: RA80</p>

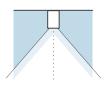
Electrical

- 100-277VAC
- Class 2 high efficiency LED driver, with a standard 1-10V dimming
- Enhanced ultra smooth dimming down to 10% compatible with most Lutron and Leviton controllers
- 50 / 75 / 100% fully adjustable power selection switch
- Average Rated Life: 50,000hrs
- Operating Temperature: -20°C to 50°C
- PF: > 0.95 THD: <20%</p>









Linear Suspended

Linear Wall Direct/Indirect

Linear Surface Mount

DISTRIBUTION

Direct/Indirect



100% Up







50% Up

50% Down

90% Up







70% Up



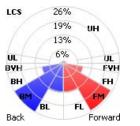
10% Up 90% Down

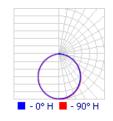
100% Down

70% Down

PHOTOMETRICS

30% Up

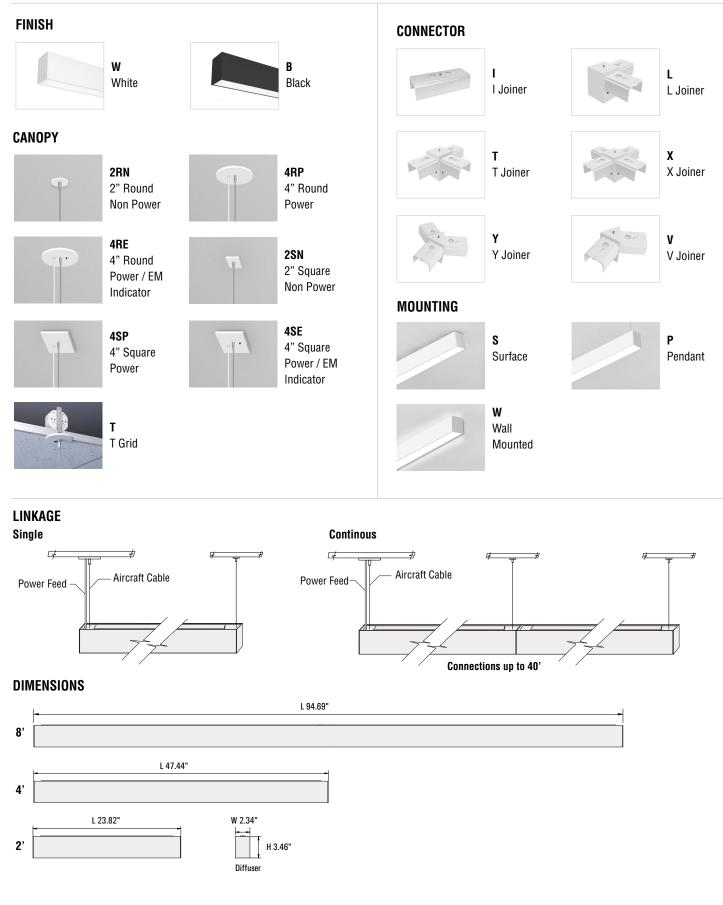






PROFORMA PLUS

Specification Linear LED



PROFORMA PLUS

Specification Linear LED

PRODUCT CODE

Example Proforma Plus cat. 2.20.W.345.D.A.P.4SE.D.0.0

Housing Model No Length

Model No	Length	Wattage (W)/ Lumens	Finish	CCT (°K)	Lens	Distribution	
Proforma Plus –	2 - 2'	20 - 20W/2000lms	B - Black	345 - CCT Selectable	D - Diffuser	A - Adjustable 7 Beam	
1 100	4 - 4'	40 - 40W/4000lms	W - White	3/35/4000K			
-	8 - 8'	80 - 80W/8000lms	-				
Installation				Accessories			
Mounting	Cano	ppy ¹	Ceiling	Connector	Accessories		
P - Pendant	2RN -	2" Round Non Power	T - T Grid	L - L Joiner	EM1 - 8W/90mi	n	
S - Surface	4RP -	4" Round Power	D - Drywall	T - T Joiner	Emergency		
W - Wall Mounted		4" Round Power		X - X Joiner	EM2 - 15W/90m Emergency	lin	
	EM Indicator 2SN - 2" Square Non Power 4SP - 4" Square Power			Y - Y Joiner	0 - None		
				V - V Joiner I - I Joiner			
		4" Square Power dicator		0 - None			
	0 - No	one					
NOTES-							

Optics

NOTES:-

¹Standard configuration 1pc 4' AC power feed / 1pc 2' canopy

INFORMA **Recessed Specification Linear LED**



Applications: Offices, education and healthcare, government, corporate, retail

PERFORMANCE SUMMARY

The Informa Linear Series is a specification line of linear products, created with architects and lighting designers in mind. It offers a full linear lighting portfolio that's extremely versatile but very simple to design, configure and install.

Combining sleek seamless lines, brilliant color quality and ultra-smooth dimming, the Informa Series is a modern solution designed to enhance both form and function.

Features

- Requires less than 3.2" plenum depth to recess; slimmer than comparative slots
- Nominal 2.4" wide housing fabricated from heavy-gauge extruded aluminum
- Full linear 2" portfolio to design an entire space
- Universal mounting detail for sheetrock or various tile grid ceilings both in flange and flangeless height adjustable structures
- . Multiple light output options for just the right amount of light
- Enhanced ultra smooth dimming down to 5% compatible with most Lutron and Leviton 0-10v controllers
- Gray, black or white trim colors complements every decor
- 2'/4'/8' length increments
- 110° wide beam uplight distribution allows wider spacing between fixtures

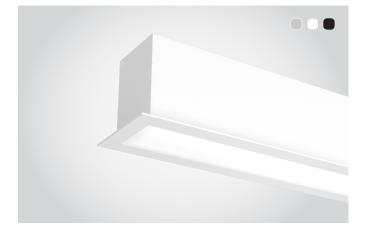
Specification

Volts: AC100-277/347VAC Beam Angle: 110° Average Rated Life: 50,000hrs Lens: Frosted PC **Environment Location: IP20** Ambient temp: -20°C to 50°C SDCM: <3 UGR: <22 CRI: RA80/90

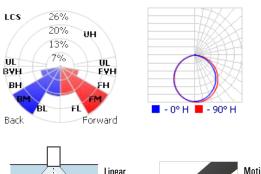
PRODUCT CODE

Example Informa cat. 2.15.345.P.L.X.B.M

Model No	Length	Wattage	CCT (°K)	Trim	Linkage	Connector	Color	Options
informa	2 - 2ft	15 - 15W/1,950lms	345 - CCT	F - Flangeless	L - Linkable	X - 4 Sided	G - Gray	0 - None
	4 - 4ft	30 - 30W/3,900lms 40 - 40W/5,200lms	Changeable 3/4/5000 3 - 3000	0 - Overlap Flange	S - Single	L - 2 Sided T - 3 Sided	B - Black W - White	M - Motion Sensor EM - Emergency
	8 - 8ft	60 - 60W/7,800lms	4 - 4000 5 - 5000					Backup

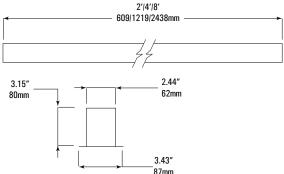


PHOTOMETRICS 110° Beam





DIMENSIONS



CONNECTORS





COLOR





T 3-Sided







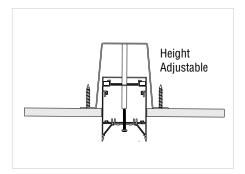
G Gray

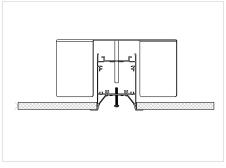


B Black

TRIM

W White





F Flangeless

0 Overlap Flange



Applications: Commercial, residential, educational facilities, industrial and warehouse, amenity areas, hospitals

PERFORMANCE SUMMARY

The PR05 WR Volumetric Wrap series is designed for surface or suspended mount applications that require contemporary aesthetics and high performance of volumetric lighting. Ideal for classrooms, campuses, offices, workrooms, retail and other commercial applications, this series provides tremendous design flexibility

BST control is perfect in classrooms and educational settings as it allows lighting to be automatically adjusted for optimal levels in student tasks such as reading or test taking.

Features

- Reformative optics deliver comfortable low brightness distribution for a wider, smoother and more uniform light output
- Simple plug and play installation by utilizing BST lighting control
- . Equipped with integral motion and daylight sensor interface
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection while assuring flicker free operation
- Series linkable continous connection capablity
- High count LED technology up to 135m/W
- Curved smooth polycarbonate frosted cover lens for comfortable lighting and excellent uniformity
- Durable cold-rolled steel construction finished in powder-coat white
- Surface or suspended mounting options

Specification

Volts: AC100-277V Beam Angle: 120° Dimming: 0-10V Average Rated Life: 50,000hrs Ambient temp: -4°F to 122°F PF: > 0.9 THD: <10% CRI: RA80

PRODUCT CODE

Example PR05 WR cat. 4L.40.L.5.WS.SS.0

Model No	Length	Wattage (W)	Connectors	CCT (°K)	Wall Switches ³	Mounting	Options ¹
PR05 WR	2L - 2'	20 - 20W/2,700 lms	0 - None	3 - 3000	SRS - Solar	S - Surface	EM - 8W Remote Emergency Backup
-	4L - 4'	4L - 4' 20 - 20W/2,700 lms	L - Linkable Serial	L - Linkable Serial 4 - 4000	Wallswitch	SS - Suspended	BST ² - Bluetooth
		26 - 26W/3,510 lms		5 - 5000	WS - Smart BT Wallswitch		Smart Sensor
		40 - 40W/5,400 lms			0 - None		0 - None

NOTES

¹EM and BST can be selected together

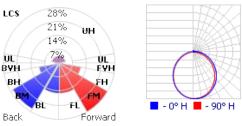
²BST includes smart sensor function that can be programmed with smart phone app or wall

switches (at least one per job location)

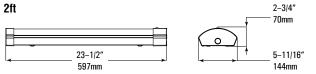
³Denotes 'n' quantity required



PHOTOMETRICS



DIMENSIONS

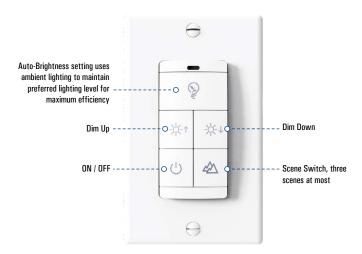


4ft



PRO5 WR Volumetric LED Wraparound

WIRELESS LIGHTING CONTROL SYSTEM Bluetooth Switch



Smart Sensor



Features

- Occupancy sensor and daylight harvesting sensor
- Embedded Bluetooth communication module
- Supports 1-channel and 2-channel dimming
- Low profile and can be inserted into any luminaries
- Operated by Light Remote LED APP
- Can match with various antennas in different luminaries.

App ControlInstant scenesAuto brightness

Auto calibration

High end trim

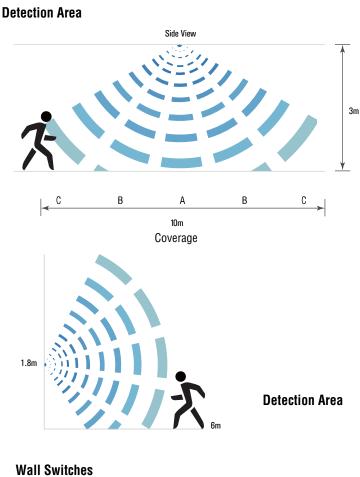
Group control

Bypass mode

Dimming

Working temperature: -30~80°C (-22~176°F)





SRS



SRS Solar Remote Switch

WS Smart Wireless Wallswitch

LINKAGE



Plugin system with direct linkage capability including crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications

Easy one-step installation, saves up to 30% on labor costs. Expanded switching flexibility saves energy.

Input Wattage (W)	Max Qty
20	15
26	12
40	7



Applications: Commerical, retail, manufacturing, warehouse, educational, open offices, gymnasiums and many more

PERFORMANCE SUMMARY

The PR05 Nano multipurpose luminaire is a versatile linear solution that will fit seamlessly into countless applications. With continuous illumination, integrated controls, emergency options and single or row mounting, PR05 Nano is adaptable to your environment.

Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, and display applications

Construction

- Streamlined housing design blends seamlessly into any application
- Series linkable continous connection capablity
- End to end wiring plug allows linkage without opening the fixture
- Available in 2-foot and 4-foot sizes
- Ceiling, wall, suspended or pendant installation
- Fast release button enable easy maintenance and installation
- Operating temperature rating up to 113°F (45°C)

Optical

- 4 lumen packages, ranging from 2,200 to 4,600lms
- Ribbed HD diffuse lens eliminate pixilation
- High count SMD2835 COB ensures cool running operation
- CCT selectable switch
- Optional infrared motion sensor and emergency battery backup

Specification

Volts: AC120-277V Environment Location: Damp Rated Beam Angle: 120° Operating Temp: -4°F to 113°F Body Color: White RAL9016 Average Rated Life: 50,000hrs Dimming: 0-10V CRI: > RA80 PF: 0.9 SDCM: < 6 THD: < 20%

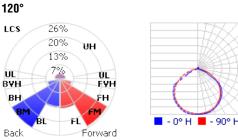
PRODUCT CODE

Example PR05 Nano 2L.20.345.0.S.EM

Model	Length	Wattage	CCT (°K)	Linkable	Mount	Control
PR05 Nano	2L - 2'	20 - 20W/2,200lms	345 - CCT	0 - None	S - Surface	E - Emergency
			Changeable 3000/4000/5000	L - End to End	A - Aircraft Cable	Battery Backup
	4L - 4'	20 - 20W/2,200lms		Serial	Suspended	EM - Emergency +
		32 - 32W/3,600lms	30 - 3000		W - Wall	Motion Sensor
		40 - 40W/4.600lms	35 - 3500		Mounted	M - Motion Sensor
		,	40 - 4000			0 - None
			50 - 5000			



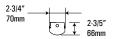
PHOTOMETRICS



DIMENSIONS

4' Bar





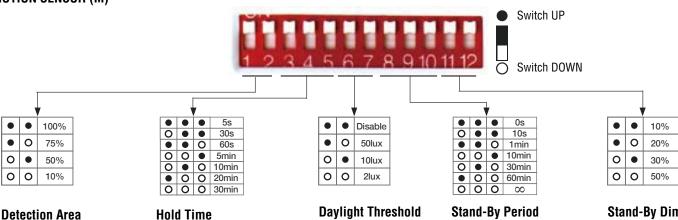
2' Bar



PRO5 NANO

Linear LED Strip Light

MOTION SENSOR (M)



Detection area means detection coverage. It can be adjusted by combining DIP switches for specific application.

Hold Time Hold-time means the time period the light will be ON after the last detection.



Stand-By Period This is the time period the light keeps dimming down after the last detection

Stand-By Dimming

This is the dimming level the light keeps during the stand-by period



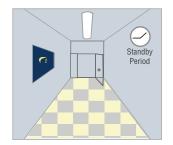
With sufficient daylight, even with the motion sensor detected, light remains OFF



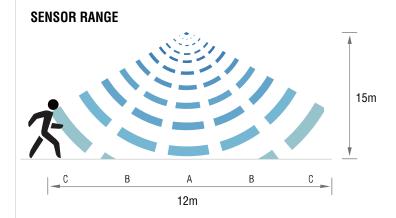
After the last detection the light will be dimmed to the stand-by dimming level (10, 20, 30 or 50%) after hold time



With insufficient daylight, when motion detected, light ON



After stand-by period, light OFF



Downlights -

Sunled's down lights are made to add aesthetics to a space whilst maintaining industry leading efficiencies without sacrificing functional performance.

From delicate architectural structures to high ceilings, our down lights can be tailored to work around any project both in output and appearance



Applications: Office buildings, residential and multiuse, convenience stores, education and healthcare, supermarkets and retail, showrooms, car dealerships

PERFORMANCE SUMMARY

The Toshiro down lights blends beauty and performance with superior light quality. With a wide variety of configurations the Toshiro down lights are suited for all recessed lighting applications from new to retrofit construction in the commercial, educational or healthcare settings

Capable of delivering up to 2500 lumens of exceptional light, it comes in several lumen packages and a variety of size, trim and color options. Toshiro accessories are designed as easy snap on attachments to enhance its aesthetics without compromising the light output of the fixture

Optics

- 2-4" architectural LED down light delivering 430–2500 Im
- Four beam distributions from narrow to standard include wall wash
- Quiet reflector appearance with 50° optical cutoff
- CCT selectable range 2700K-5000K at crisp CRI 90+
- Long LED life: L70 at >50,000 hours

Construction

- Available with IC rated new construction housing or framing kit
- Wide range of snap on accessories and bezel attachments
- Flush mount flange option with mud-in ring available
- Large selection of anodized finishes and colors

Electrical

- Universal voltage 120V–277V driver
- Emergency battery backup option
- Flicker free dimming driver with most Lutron and Leviton 0-10V dimmers

Specification

Volts: AC100-277V Average Rated Life: L70/50,000hrs Environment Location: IP40 / 65 Ambient Temp: -22°F to 122°F Dimming: 0-10V PF: > 0.9

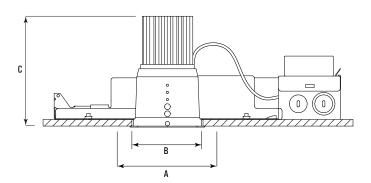






DIMENSIONS

Dimensional Data						
Trim (A) Cutout (B) Depth (C)						
2"	3.30"/84mm	2.95"/75mm	3.38"/86mm			
3"	4.90"/124mm	3.74"/95mm	3.7"/94mm			
4"	5.31"/135mm	4.92"/125mm	4.5"/114mm			



TOSHIRO

Architectural Downlight

PRODUCT CODE

Example Toshiro cat. 3.12.F.EN.27.90.R.B.B.F.NH.H/EM/SH

Engine

Model No	Diameter	Wattage (W)/ Lumens ¹	Aperture
Toshiro	2 - 2"	12 - 7/9/12W 430/560/750Lms	F - Fixed A - Adjustable
	3 - 3"	18 - 12/15/18W 750/1100/1300lms	, ,
	4 - 4"	30 - 22/25/30W 1800/2100/2500lms	

Trim

Shape	Trim Color	Reflector Color	Flange
R - Round S - Square	B - Black W - White	SS - Semi Specular	F - Flangeless O - Overlap
3 - Square		B - Black	Flange
		W - White	
NOTES:- ¹ 3 Watt Selectable		M - Metallic Bronze	

Beam Angle	CCT (°K)	Ra	
EN - Extra	27 - 2700	90 - RA90	
Narrow	30 - 3000		
NN - Narrow	35 - 3500		
ST - Standard	40 - 4000		
WD - Wide	50 - 5000		
WW - Wall Washer	345 - CCT Selectable		
Accessories	27/30/35/40/5000		
Housing	Accessories		

NH - New Constuction	H - Baffle Louver
IC Box Housing	SH - IP65 Trim
NF - New Construction	EM - Emergency
Non IC Frame	SL - Slotted Trim
O - None	PH - Pinhole
	0 - None

OPTIONS

Trim Color





Black







Flange



Flangeless





Overlap Flange

Accessories







Slotted Trim

Housing





Non IC Frame

Reflector







White

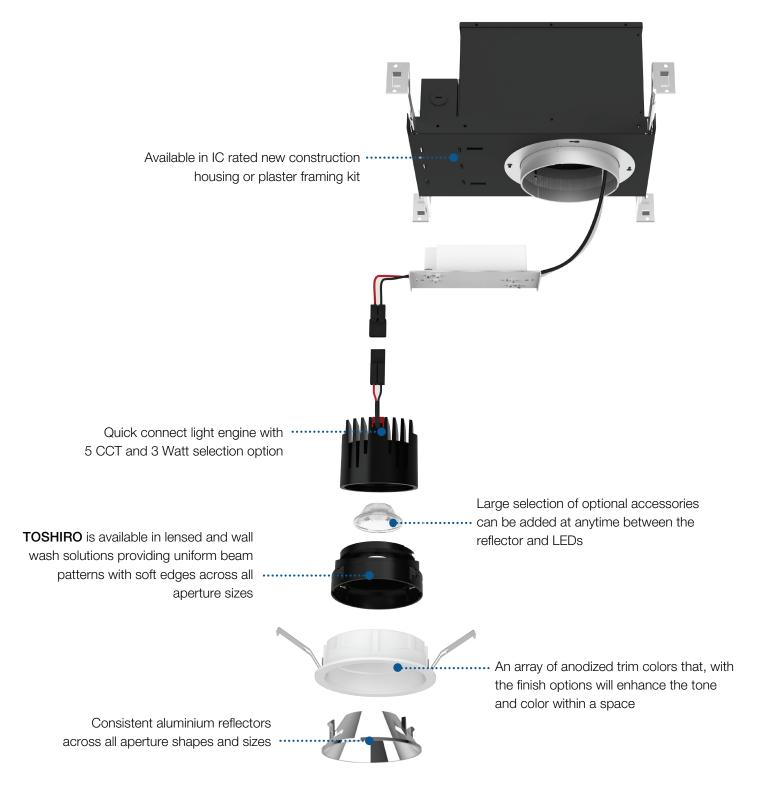
Black





The Right Solution Every Time

The down light comes in three sizes to effectively accommodate the requirements of every project and its differing subsequent areas. Our Toshiro Series warrant a bespoke approach to effectively and efficiently implement lighting to every designer's needs with attention to detail such as quiet ceilings, uniform beam patterns, aesthetic trim options, high quality materials and industry leading LED components



Focus Where Its Needed

With the progression of LED lighting efficiency much emphasis has been made on lumen output versus quality of light often leading to high glare and wasted upward light ratio with the source being positioned on the ceiling plane.

The design of our Toshiro focuses output directly on the space while maintaining a quiet ceiling by keeping the source image embedded deep inside the body.

Expert designed reflectors refract the beam with a 45° cutoff from the ceiling, maintaining spacing ratio's from 0.4-1.1 keeping illumination on the architectural space and away from the ceiling



Flush Mount Flange

The flush mount flange option minimizes the appearance of the flange in the ceiling



Variable Angle Adjustable

Variable angle adjustments with 5° increments up to 25°



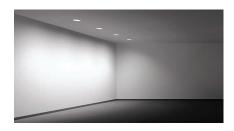
Interchageable Media

Accessories can be added anytime between the reflector and lamp



Housing Options

Flexible mounting accessories make simple and easy installation in new and retrofit projects



Lensed Wall Wash

Available in lenses wall wash optics, directing light higher on the wall with less general illumination



Tunable White

Tunable White with all-in-one 3 Power and 5 CCT multi technology provides lighting professionals the tools needed for full customization, available in 2700-5000K



Applications: Office buildings, airports, retail, education and healthcare, supermarkets and restaurants, showrooms, car dealerships, corporate and government

PERFORMANCE SUMMARY

The DOT MX Series of down lights is the most cost-effective solution for commercial-grade applications. Ideal for a variety of new construction projects the DOT MX delivers exceptional light quality at even greater mounting heights-up to 40 ft

Slim trim option creates a low profile presence in the ceiling with multiple 6, 8, 10 inch apertures available, delivering up to 6400 lumen packages to accommodate high ceiling applications. Driver capabilities include switchable CCTs and lumens with smooth 0-10V dimming

Construction

- Galvanized steel mounting/plaster frame: galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs
- Accommodates 12"-24" joist spacing
- Corrugated heavy duty steel sheathed driver cable

Optical

- Deep regressed lens conceals LEDs from direct view
- · Comfortable opal diffuser eliminating dark spots for uniform illumination
- General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image
- LEDs are binned to a 3-step SDCM; 80 CRI minimum
- Long LED life: L70 at >50,000 hours

Electrical

- Dimmable with most Lutron and Leviton 0-10V dimmers
- 3 way adjustable power selection/CCT switch
- Emergency battery backup option
- 0-10V isolated class 2 flicker free dimming drivers mounted to junction box with additional low voltage wires

Specification

Volts: AC100-277V (40W) or 110-347V (80W) 50/60Hz Average Rated Life: L70/50,000hrs CRI: RA80 **Environment Rating: Wet Location** Dimming: 0-10V PF: > 0.9 THD: <20%

PRODUCT CODE

Example Dot MX cat. 40.345.8.F.EM2

Model No	Max Wattage (W)/ Lumens	CCT (°K)	Trim (")	Housing	Emergency
Dot MX	40 - 18/27/40W 1440/2160/3200Lm	345 - CCT Selectable 30/35/40	6 - 6" 8 - 8"	F - New Construction Frame-in Kit	EM1 - 8W/90min Emergency Backup
	80 - 50/65/80W 4000/5200/6400Lm	40 - 4000	10 - 10"	0 - None	EM2 - 25W/90min Emergency Backup
	4000/0200/0400LIII				0 - None





8"

Mount Diameter

7.7"-8.4



DIMENSIONS 6"

5.6'

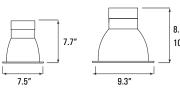
Mount Diameter 6"-6.7



Mount Diameter

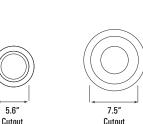
10"-10.7

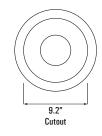
10"





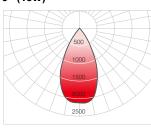
11.0"





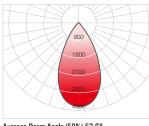
DOT MX Commercial Downlight

PHOTOMETRICS 6" (18W)

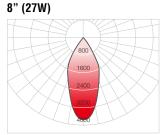


Average Beam Angle (50%) 52.2°

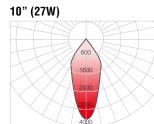
6" (40W)



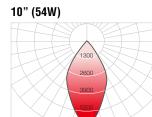
Average Beam Angle (50%) 52.6°



Average Beam Angle (50%) 44.6°

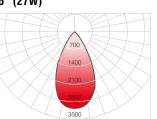


Average Beam Angle (50%) 36.4°



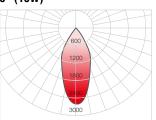
Average Beam Angle (50%) 59.2°

6" (27W)



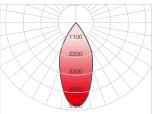
Average Beam Angle (50%) 52.4°

8" (18W)



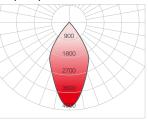
Average Beam Angle (50%) 44.1°

8" (40W)



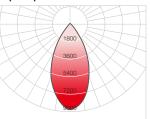
Average Beam Angle (50%) 46.9°

10" (40W)



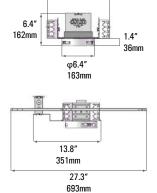
Average Beam Angle (50%) 54.9°

8" (80W)



Average Beam Angle (50%) 51.6°



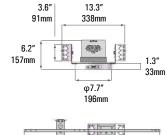


12.1″

307mm

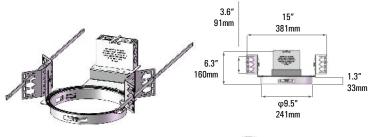
8" Trim

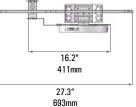






10" Trim





DOT MOD/A Recessed Tilt Downlight



Applications: Ideal for shopping malls, corporate buildings, hotels, airports, healthcare, general commercial and residential

PERFORMANCE SUMMARY

The Sunled Dot Mod/A down lights feature adjustable gimbals with switchable white CCT providing installation versatility while eliminating the need for recessed housings.

Down lights are available in gimbaled 4", 6" round apertures. Their slim adjustable design allows for easy integration into remodel or new construction installation without the need for plenum access. With a wet location listing they're ideal for use in outdoor applications in addition to shopping malls, commercial, airport, healthcare and residential

Construction

- Sealed unit including integral metal housing and heat sink, LED COB, lens and mounting gasket
- IC rated design eliminates the need for recessed housing in both remodel and new construction
- Pre-installed steel torsion clips
- Unit comes with quick wiring connectors. No wiring nuts and electrical tap needed for the installation
- . Suitable for wet locations and use in clothes closet when installed in accordance with the NEC 410.16 space requirements.
- Slim profile requires only 2-1/2" plenum clearance
- Air-Tite certified per ASTM-E283

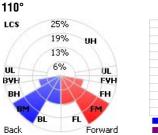
Optical

- Switchable White 120V options for on-site CCTs flexibility
- 110° directional beam and 15° tiltable gimbal for sloped ceilings, wall wash and highlight applications
- Comfortable opal diffuser eliminates dark spots and provides uniform illumination
- Premium CRI90 LED array, up to 50,000hr

Electrical

- Energy star compliant flicker free driver
- Smooth dimming down to 10% with Lutron and Levitton 0-10V dimmers

PHOTOMETRICS





OPTIONS







10 10ft Extension Cord

3 3ft Extension Cord

PRO	DU	CT	CODI	Ε
_		_		

Example Dot DX cat. 12.6.345.10.0.0

Model No	Max Wattage (W)/ Lumens	Diameter (")	CCT (°K)	Extension Cord	Mounting	Emergency
Dot Mod/A	9 - 9W/612Lm	4 - 4"	345 - CCT	3 - 3ft	MM - Mount Plate	EM - 8W/90min
	12 - 12W/816Lm	6 - 6"	Changeable 27/30/35/40/5000K	10 - 10ft	MH - Hangar Bar	Emergency
		0-0	21/30/30/40/3000K	0 - None	Mount Plate	0 - None
					0 - None	

DOT MOD/B Slim Wafer LED Downlight



Applications: Ideal for closets, hallways, bathrooms, kitchens, basements, soffits, entry ways, porches, stairwells, corridors, multi-family, and commercial applications

PERFORMANCE SUMMARY

The Sunled Dot Mod/B Series LED Downlights provide high-quality CRI 80+ light output and efficiency featuring interchangeable finish trims in both square and round, blending harmoniously into any architectural space

Their slimline design allows easy installation from below the ceiling as the perfect choice when you have limited cavity space or trying to minimize cabling. They are wet location listed, making them ideal for use in a multitude of outdoor residential, hospitality, light commercial and multiuse applications.

Construction

- 1" Thin: Fits in tight ceiling space
- IP40 suitable for damp locations
- Snap-in mounting springs and easy wiring access for fast and easy installation saving labour costs
- Airtight and type IC rated: No housing required
- Junction box included: No additional hardware required
- Ceiling penetration of 4"/6"/8"

Optical

- Comfortable opal diffuser eliminates dark spots and provides uniform illumination
- High performance CRI80+ LEDs, up to 50,000hr

Electrical

- Tunable white color temperature: 3000K, 4000K and 5000K
- Energy star compliant flicker free driver
- Dimmable to 5% with most Lutron and Levitton 0-10V dimmers
- Overload/short circuit protection

Specification

Volts: AC100-130V Average Rated Life: L70/50,000hrs CRI: RA80 Beam Angle: 110° Environment Location: IP40 Ambient Temp: -22°F to 122°F Dimming: 0-10V PF: > 0.9

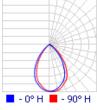
PRODUCT CODE

Example Dot Mod/B cat. 10.4.345.C.80.W.EM

Model No	Max Wattage (W)/ Lumens	Diameter (")	CCT (°K)	Trim	Ra	Color	Control
Dot Mod/B	10 - 10W/700Lm	4 - 4"	345 - CCT	S - Square	80 - RA80	W - White	DIM - 0-10v
	12 - 12W/900Lm	6 - 6"	Changeable 3000/4000/5000	C - Circular		B - Black	Dimmable EM - Emergency
	18 - 18W/1350Lm	8 - 8"	3 - 3000 5 - 5000			Nickel	Battery Backup 0 - None

PHOTOMETRICS







2 Architectural

ARCHITECTURAL

WALL MOUNT		CYLINDER			
	SHUTTER	Π.	BLADE		SUB MARINER
	51		59		70
	ECLIPSE		BLADE SQUARE	110100000	SPIROS
	53		61		71
	STREAM MOD/A		PILLAR	FACADE	
	54		63		PREZIO
	STREAM MOD/B		PILLAR SQUARE		74
	55		65		ACCEN- TURE
	TORRENT MOD/A	INGRADE			76
	56		CASPIAN		LINEO
	TORRENT MOD/B		68	D C C C C C C C C C C C C C C C C C C C	79

Wall

1000

Sunled's architectural wall luminaires are designed for a distinguished look with shielded or wide beam illumination options. Including contractor friendly installation enhancements this line is ideal for lighting exterior corridors or pathways

1

-



Applications: Pathways and building perimeter, entrances, architectural, urban environments, bars and restaurants

PERFORMANCE SUMMARY

The Shutter Series is a family of recessed wall luminaires with a shielded glare free louver tailored for illumination of stairways, walls, entrances, corridors and footpaths.

Using a boxed installation housing makes installation quick and easy, simply integrating into any construction project or for streamlining the maintenance process

Features

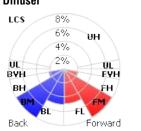
- Durable extruded die cast aluminium housing
- Glare eliminating louver faceplate design
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- 90° diffuse or asymmetric distribution with louver faceplate
- Transperant PC diffuse lens with composite installation housing
- Available in marine ambient corrosion resistant option for
- installation in seaside areas Dimmable

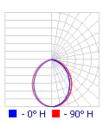
Specification

Volts: AC100-277V PF: > 0.95 Average Rated Life: 90,000hrs CRI: RA80/90 Environment Location: IP65 Ambient temp: -20°C to 45°C



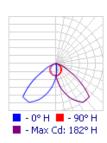
PHOTOMETRICS Diffuser





Louver





LENS





PRODUCT CODE

Example Shutter cat. C6.D.3.80.B.DIM

Model No	Wattage	Cover	Color Temperature (K)	CRI	Housing Color	Accessories
Shutter	C6 - 6W/7" C7 - 7W/9"	D - Diffuse Lens L - Louver	3 - 3000 4 - 4000	80 - RA80	B - Black (RAL9011)	DIM - 0-10V dimming
	C8 - 8W/10"	2 200101	6 - 6000		W - White (RAL9016)	M - Marine grade corrosion resistance
	C10 - 10W/12" C20 - 20W/12"		R - Red G - Green		G - Gray (RAL7012)	0 - None
			B - Blue		Z - Mineral Bronze	
					S - Silver (RAL9006)	

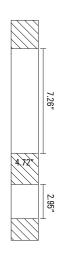
SHUTTER Recessed Wall Light

DELIVERED LUMENS

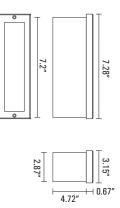
Wattage	Lumens (Diffuse)	Lumens (Louver)		
6	570	92		
7	665	84		
8	760	96		
10	950	116		
20	1,900	232		

DIMENSIONS

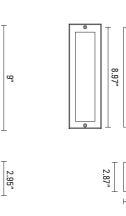
C6/7"

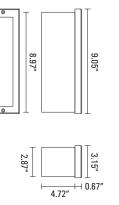


4.72

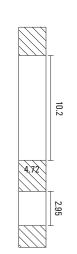


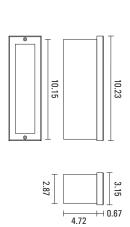
C7/9"



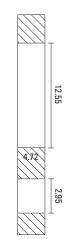


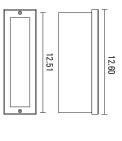
C8/10"





C10-20/12"









Applications: Pathways and building perimeter, entrances, architectural, urban environments, bars and restaurants

PERFORMANCE SUMMARY

The Eclipse LED is a surface mounted wall luminaire perfect for accentuating walkways, stairs and retaining walls.

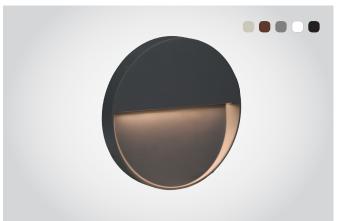
It features a slim circular profile making it virtually invisible once installed assuring that attention is directed to the structure while allowing an easy wall mount installation

Features

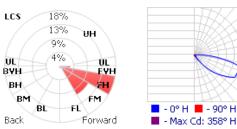
- Slim circular profile appearing flush on wall ensuring attention is directed to the structure
- Easy surface mount installation
- Durable extruded die cast aluminium housing
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Wide beam asymmetric distribution
- Transperant PMMA screen offers high ingress protection
- Available in marine ambient corrosion resistant option for installation in seaside areas
- Dimmable

Specification

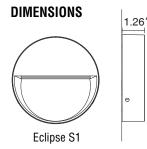
Volts: AC100-277V or 24V DC PF: > 0.95 Average Rated Life: 90,000 CRI: RA80 Environment Location: IP65 Ambient temp: -20°C to 45°C



PHOTOMETRICS



Ø8.66 "



Eclipse S2



PRODUCT CODE

Example Eclipse cat. 120.4.3.80.B.M

Model No	Voltage	Wattage (W)	Color Temperature (K)	Ra	Housing Color	Accessories
Eclipse	120 - 120-277VAC	4 - 4W/400lms 4.3"dia x 1.3"D	3 - 3000	80 - RA80	B - Black RAL9011	M - Marine Grade Corrosion Resistance
	24 - 24VDC	4.5 dia x 1.5 D 12 - 12W/1,200lms 8.6"dia x 1.3"D	4 - 4000			
			6 - 6000		W - White RAL9016	DIM - 1-10V Dimmable (12W Only)
					G - Gray RAL7012	0 - None
					M - Mineral Bronze	
					S - Silver RAL9006	

STREAM MOD/A

Recessed Wall Light



Applications: Pathways and building perimeter, entrances, architectural, urban environments, bars and restaurants

PERFORMANCE SUMMARY

The Stream LED is a wall-mounted recessed luminaire perfect for accentuating walkways, stairs and retaining walls. It features a smooth transperant PMMA lens cover for easy cleaning.

Features

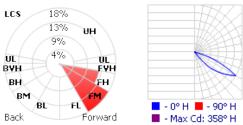
- Durable extruded die cast aluminium housing
- Glare eliminating stepped baffle design
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling Wide have asymptotic distribution
- Wide beam asymmetric distribution
- Transperant PMMA screen offers high ingress protection
- Available in marine ambient corrosion resistant option for installation in seaside areas
- Dimmable

Specification

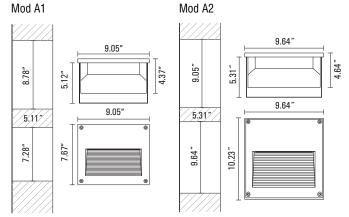
Volts: AC100-277V or 24V DC PF: > 0.95 Average Rated Life: 90,000hrs CRI: RA80/90 Environment Location: IP65 Ambient temp: -20°C to 45°C



PHOTOMETRICS



DIMENSIONS



PRODUCT CODE

Example Stream Mod/A1 cat. 380BM

Model No	Mod	Color Temperature (K)	Ra	Housing Color	Accessories
Stream	A1 - 8W/780lm A2 - 16W/1560lm	3 - 3000 4 - 4000	80 - RA80	B - Black RAL9011	DIM - 0-10V Dimming
	AZ - 10W/1300iiii	6 - 6000		W - White RAL9016	M - Marine grade corrosion resistance
				G - Gray RAL7012	0 - None
				M - Mineral Bronze	
				S - Silver RAL9006	

STREAM MOD/B

Recessed Wall Light



Applications: Pathways and building perimeter, entrances, architectural, urban environments, bars and restaurants

PERFORMANCE SUMMARY

The Stream LED is a wall-mounted recessed luminaire perfect for accentuating walkways, stairs and retaining walls. It features a smooth transperant PMMA lens cover for easy cleaning.

Features

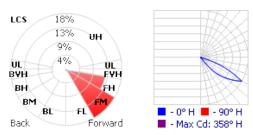
- Durable extruded die cast aluminium housing
- Glare eliminating stepped baffle design
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling • Wide beam asymmetric distribution
- Transperant PMMA screen offers high ingress protection
- · Available in marine ambient corrosion resistant option for installation in seaside areas
- Dimmable

Specification

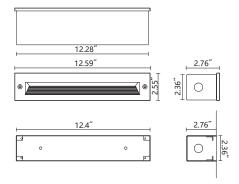
Volts: AC100-277V or 24V DC PF: > 0.95 Average Rated Life: 90,000hrs CRI: RA80/90 **Environment Location: IP65** Ambient temp: -20°C to 45°C



PHOTOMETRICS



DIMENSIONS



PRODUCT CODE

Example Stream Mod/B cat. 380BM

Model No	Mod	Color Temperature (K)	Ra	Housing Color	Accessories
Stream	B - 12W/1170lm	3 - 3000 4 - 4000	80 - RA80	B - Black RAL9011	DIM - 0-10V Dimming
		6 - 6000		W - White RAL9016	M - Marine grade corrosion resistance
				G - Gray RAL7012	0 - None
				M - Mineral Bronze	
				S - Silver RAL9006	

TORRENT MOD/A





Applications: Pathways and building perimeter, entrances, architectural, urban environments, bars and restaurants

PERFORMANCE SUMMARY

The Torrent LED is a surface mounted wall luminaire perfect for accentuating walkways, stairs and retaining walls.

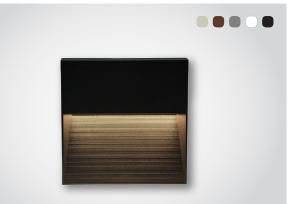
It features a slim profile making it virtually invisible once installed assuring that attention is directed to the structure while allowing an easy wall mount installation

Features

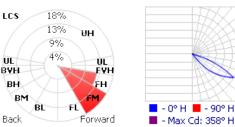
- Slim profile appearing flush on wall ensuring attention is directed to the structure
- Easy surface mount installation
- Durable extruded die cast aluminium housing
- Glare eliminating stepped baffle design
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Wide beam asymmetric distribution
- Transperant PMMA screen offers high ingress protection
- Available in marine ambient corrosion resistant option for installation in seaside areas

Specification

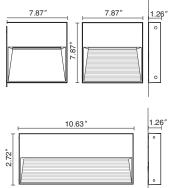
Volts: AC100-277V or 24V DC PF: > 0.95 Average Rated Life: 90,000hrs CRI: RA80 Environment Location: IP65 Ambient temp: -20°C to 45°C



PHOTOMETRICS



DIMENSIONS



PRODUCT CODE

Example Torrent Mod/A cat. 3.ST.80.B.DIM

Model No	Mod	CCT (°K)	Baffle	Ra	Housing Color	Accessories
Torrent	A - 12W/1,200lms 7.9"L x 7.9"W x 1.3"D	3 - 3000 4 - 4000	ST - Stepped SM - Smooth	80 - RA80	B - Black RAL9011	DIM - 0-10V Dimming
		6 - 6000			W - White RAL9016	M - Marine grade corrosion resistance
					G - Gray RAL7012	0 - None
					M - Mineral Bronze	
					S - Silver RAL9006	

TORRENT MOD/B





Applications: Pathways and building perimeter, entrances, architectural, urban environments, bars and restaurants

PERFORMANCE SUMMARY

The Torrent LED is a surface mounted wall luminaire perfect for accentuating walkways, stairs and retaining walls.

It features a slim profile making it virtually invisible once installed assuring that attention is directed to the structure while allowing an easy wall mount installation

Features

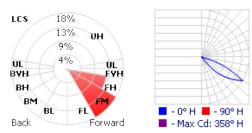
- Slim profile appearing flush on wall ensuring attention is directed to the structure
- Easy surface mount installation
- Durable extruded die cast aluminium housing
- Glare eliminating stepped baffle design
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Wide beam asymmetric distribution
- Transperant PMMA screen offers high ingress protection
- Available in marine ambient corrosion resistant option for installation in seaside areas

Specification

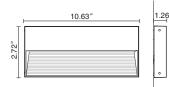
Volts: AC100-277V or 24V DC PF: > 0.95 Average Rated Life: 90,000 CRI: RA80 Environment Location: IP65 Ambient temp: -20°C to 45°C



PHOTOMETRICS



DIMENSIONS



PRODUCT CODE

Example Torrent Mod/B cat. 3.ST.80.B.DIM

Model No	Wattage (W)	CCT (°K)	Baffle	Ra	Housing Color	Accessories
Torrent	B - 15W/1,500lms 2.7"H x 10.6"W x 1.3"D	3 - 3000 4 - 4000	ST - Stepped SM - Smooth	80 - RA80	B - Black RAL9011	DIM - 0-10V Dimming
	2.7 11 × 10.0 W × 1.0 B	6 - 6000	3w - 31100th		W - White RAL9016	M - Marine grade corrosion resistance
					G - Gray RAL7012	0 - None
					M - Mineral Bronze	
					S - Silver RAL9006	

Cylinders

Available in 3 distinct sizes and a selection of beam angles from a single or double ended light source, Sunled's Cylinder ceiling or wall luminaires are an optimal choice for designing in a wide range of building elements



Applications: Building perimeters, bars & shopping malls, corporate offices building facades & entrances architectural

PERFORMANCE SUMMARY

The Blade Outdoor LED Facade Fitting is specifically conceived to illuminate facades and highlight architectural elements.

It's compact and minimal profile is designed to place emphasis on the building and not the fitting itself. Blade is fully customisable and comes in a exhaustive range of lamp colours and control options

Features

- Durable extruded die cast aluminium housing
- Tempered glass lens
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Available in narrow, medium beam and wide beam distribution options for precise optical control
- 240V or 24V DC RGB colour changing option, with built in driver and interface to DMX decoding system
- 20° angled adjustable mounting bracket
- Different body sizes for building, facade or general perimeter illumination applications

Specification

Volts: AC100-277V or 24V DC Environment Location: IP65 Average Rated Life: 50,000hrs CRI: RA80 PF: > 0.9 Ambient temp: -4°F to 113°F

PRODUCT CODE

Example Blade 120V cat. 1.S.C24-1.38.4.80.W.T/DIM

Model No	Distribution	Body Size	Wattage (W)	Beam Angle	CCT² (°K) Ra	Housing Color	Accessories
Blade 120V 1 - Blade 24V	1 - Up or Down	S ¹ - Small	C04-1 - 4W x1/420lm x1	15 - 15°	3 - 3000 80 - RA80	B - Black	T - 20° tilt
		M - Medium	C11.1 - 11W x1/1155lm x1	25 - 25°	4 - 4000	RAL9011 W - White	M - Marine Treatment
			C24.1 - 24W x1/2520lm x1	38 - 38°	5 - 5000	RAL9016	DMX - DMX
			C30.1 - 30W x1/3150lm x1	45 - 45°	RGB - RGB	G - Gray	Decoder
		L - Large	C24.1 - 24W x1/2520lm x1	60 - 60°	R - Red	RAL7012	DIM ¹ - 0-10V
		E Eurgo	C30.1 - 30W x1/3150lm x1		G - Green	M - Mineral	Dimming
			C40.1 - 40W x1/4200lm x1		B - Blue	Bronze	MT - Junction
			040.1 - 40W X1/4200IIII X1			S - Silver RAL9006	Mounting Plate 0 - None

NOTES

¹0-10V dimming not available for small ²RGB not available for 30/40W





Up or Down

1

2 Up and Down

BLADE

LED Facade Light

PRODUCT CODE

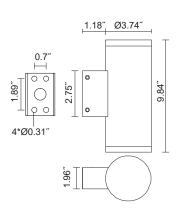
Example Blade 120V cat. 1.S.C24-1.38.4.80.W.T/DIM

Model No	Distribution	Body Size	Wattage (W)	Beam Angle	CCT² (°K)	Ra	Housing Color	Accessories			
Blade 120V	2 - Up & Down	S ¹ - Small	C04-2 - 4W x2/420lm x2	15 - 15°	3 - 3000	80 - RA80	B - Black	T - 20° tilt			
Blade 24V		M - Medium	C11.2 - 11W x2/1155lm x2 C24.2 - 24W x2/2520lm x2 C30.2 - 30W x2/3150lm x2	25 - 25° 4 - 4000 38 - 38° 5 - 5000 45 - 45° RGB - RGB		38 - 38° 5 - 5000 45 - 45° RGB - F	° 5 - 5000 ° RGB - RGB	88 - 38° 5 - 5000 55 - 45° RGB - RGB	W - White RAL9016 G - Gray	RAL9016 G - Gray	M - Marine Treatment DMX - DMX SDIM - Separate
NOTES		L - Large	C24.2 - 24W x2/2520lm x2 C30.2 - 30W x2/3150lm x2 C40.2 - 40W x2/4200lm x2	60 - 60° R - Red x°/x° G - Green Separate B - Blue Up/Down Beam	G - Green		RAL7012 M - Mineral Bronze S - Silver RAL9006	Up/Down Dim DIM ¹ - 0-10V Dimming MT - Junction Mounting Plate			
	ing not available fo	r small						0 - None			

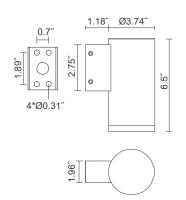
²RGB not available for 30/40W

DIMENSIONS

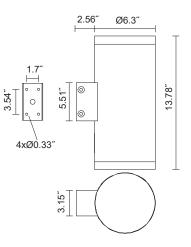
Up and Down/Small Body Weight: 4.2lbs (1.9kg)



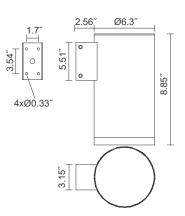
Up or Down/Small Body Weight: 3.1lbs (1.4kg)



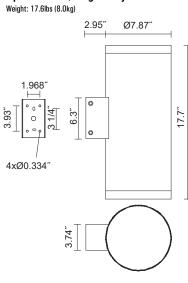
Up and Down/Medium Body Weight: 11.0lbs (5.0kg)



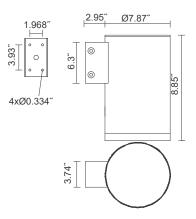
Up or Down/Medium Body Weight: 7.9lbs (3.6kg)



Up and Down/Large Body



Up or Down/Large Body Weight: 10.4bs (4.7kg)



BLADE SQUARE

LED Facade Light



Applications: Building perimeters, bars & shopping malls, corporate offices building facades & entrances architectural

PERFORMANCE SUMMARY

The Blade Square Outdoor LED Facade Fitting is specifically conceived to illuminate facades and highlight architectural elements.

It's compact and minimal profile is designed to place emphasis on the building and not the fitting itself. Blade is fully customisable and comes in a exhaustive range of lamp colours and control options

Features

- Durable extruded heavy duty die cast aluminium housing
- Tempered glass lens
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- · Available in narrow, medium beam and wide beam distribution options for precise optical control
- 20° angled adjustable mounting bracket
- Different body sizes for building, facade or general perimeter illumination applications
- Dimmable

Specification

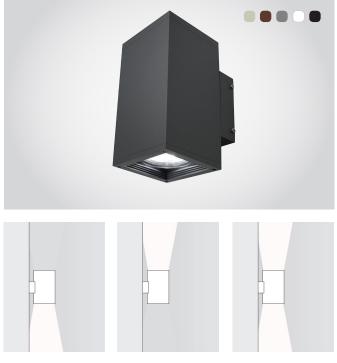
Volts: 100-277VAC or 24VDC PF: >0.9 Average Rated Life: 50,000hrs **Environment Location: IP65** CRI: >80 Ambient temp: -4°F to 113°F

PRODUCT CODE

Example Blade Square 120V cat. 1.S.C04-1.15.3.80.B.M

Model No	Distribution	Body Size	Wattage (W)	Beam Angle	CCT (°K)	Ra	Housing Color	Accessories
Blade Square	1 - Up or Down	S ¹ - Small	C04.1 - 4W x1/420lm x1	15 - 15°	3 - 3000	80 - RA80	B - Black RAL9011	T - 15° tilt
120V Blade Square 24V	C11.1 - 11W x1/1155lm x1 C15.1 - 15W x1/1575lm x1 M - Medium C11.1 - 11W x1/1155lm x1		C11.1 - 11W x1/1155lm x1		4 - 4000		W - White	M - Marine
		C15.1 - 15W x1/1575lm x1	38 - 38°	5 - 5000		RAL9016	resistance	
		45 - 45°			DTIVI -	DIM - 0-10V dimming		
			C15.1 - 15W x1/1575lm x1	60 - 60°			RAL7012	MT - Junction
			C20.1 - 20W x1/2100lm x1				M - Mineral	Mounting Plate
		C30.1 - 30W x1/3150lm x1				Bronze	0 - None	
		L - Large	C20.1 - 20W x1/2100lm x1 C30.1 - 30W x1/3150lm x1				S - Silver RAL9006	
NOTES			C40.1 - 40W x1/4200lm x1					

10-10V dimming not available for small size



DISTRIBUTION



2 Up and Down

BLADE SQUARE

LED Facade Light

PRODUCT CODE

Example Blade Square 120V cat. 2.M.C15-2.25.3.80.B.M

Model No	Distribution	Body Size	Wattage (W)	Beam Angle	CCT (°K)	Ra	Housing Color	Accessories
Blade Square	2 - Up & Down	S ¹ - Small	C04-2 - 4W x2/420lm x2	15 - 15°	3 - 3000	80 - RA80	B - Black T - 20° tilt	T - 20° tilt
120V Blade Square 24V			C11.2 - 11W x2/1155lm x2	25 - 25°	4 - 4000		RAL9011	M - Marine
	C15.2 - 15W x2/1575lm x2	38 - 38°	5 - 5000		W - White	resistance		
		M - Medium	C11.2 - 11W x2/1155lm x2 C15.2 - 15W x2/1575lm x2 C20.2 - 20W x2/2100lm x2	45 - 45° 60 - 60° x°/x° Separate			RAL9016 G - Gray RAL7012 M - Mineral Bronze	DIM - 0-10V dimming SDIM - Separate Up/Down Dim MT - Junction
		L - Large	C30.2 - 30W x2/3150lm x2 C20.2 - 20W x2/2100lm x2	Up/Down B	leam		S - Silver RAL9006	Mounting Plate 0 - None
10750			C30.2 - 30W x2/3150lm x2 C40.2 - 40W x2/4200lm x2					

NOTES

¹0-10V dimming not available for small size

DIMENSIONS

Up or Down/Small Body Weight: 5.5lbs (2.5kg)

Up and Down/Small Body

Ø0.334

Ø0.7'

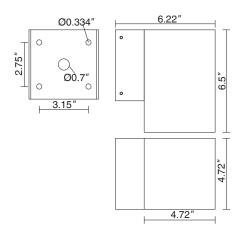
Π 3.15 F

0

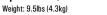
Weight: 7.7lbs (3.5kg)

2.75" 3 1/4

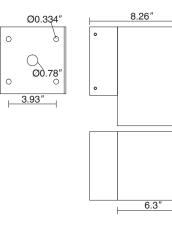
0



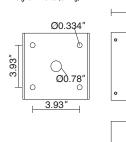
Up or Down/Medium Body



3.93



Up and Down/Medium Body

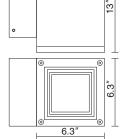


10.8′

4.72

6.22"

4.72"



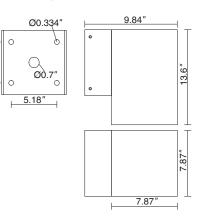
8.26"

Up or Down/Large Body Weight: 17.6lbs (8.0kg)

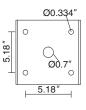
5.18"

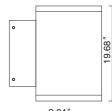
8.85

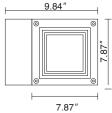
6.3"



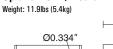
Up and Down/Large Body Weight: 25.4lbs (11.5kg)







62







Applications: Lobbies and foyers, driveways and sidewalks, building entrances, architectural and more

PERFORMANCE SUMMARY

The Pillar Series cylinder luminaires are great for both indoor and outdoor use. They provide a soft, diffuse light perfect for lobbies and foyers or to illuminate driveways and walkways

It is suitable for highlighting sidewalks and buildings, available in a small, attractive envelope that does not distract from the building.

Features

- Durable extruded die cast aluminium housing
- Tempered glass lens
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Available in narrow, medium beam and wide beam distribution options for precise optical control
- 240V or 24V DC RGB colour changing option, with inbuilt driver and interface to DMX decoding system
- Suspended mounting bracket
- Extra narrow 8° beam option for precision illumination
- Different body sizes suitable on interior or exterior applications
 Dimmable

Specification

Volts: AC100-277V or 24V DC PF: >0.95 Average Rated Life: 90,000hrs CRI: RA80 Environment Location: IP65 Ambient Temp: -4°F to 131°F

PRODUCT CODE

Example Pillar 120V cat. 1.S.C24.38.4.80.W.J/DIM

Model No	Body Size	Wattage (W)	Beam Angle	CCT² (°K)	Ra	Housing Color	Accessories
Pillar 120V PIllar 24V	S ¹ - Small	C04 - 4W/420Im	08 ³ - 8° 15 - 15°	3 - 3000 4 - 4000	80 - RA80	B - Black RAL9011	DMX - DMX Decoder
	M - Medium	C11 - 11W/1155Im	15 - 15 25 - 25°	4 - 4000 5 - 5000		W - White	SS - 3' Pendant
		C24 - 24W/2520lm C30 - 30W/3150lm	28 - 38°	RGB - RGB		RAL9016 G - Gray	SV - 3' Swivel
			45 - 45°	R - Red		RAL7012	Pendant M - Marine
	L - Large	C24 - 24W/2520Im	60 - 60°	G - Green		M - Mineral	Treatment
	C30 - 30W/3150Im		B - Blue		Bronze	DIM ¹ - 0-10V	
NOTEO		C40 - 40W/4200Im				S - Silver RAL9006	J - Junction Box Mount Plate
NOTES							

^{10-10V} dimming not available for small body ²RGB not available for 30/40W ^{38°} beam available for 40W model



DISTRIBUTION



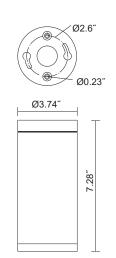
0 - None

PILLAR Elush Cylinder Do

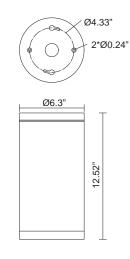
Flush Cylinder Downlight

DIMENSIONS

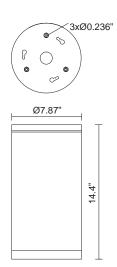
Small Body Weight: 3.1bs (1.4kg)



Medium Body Weight: 8.4lbs (3.8kg)



Large Body Weight: 12.1lbs (5.5kg)



PILLAR SQUARE Flush Square Downlight



Applications: Lobbies and foyers, driveways and sidewalks, building entrances, architectural and more

PERFORMANCE SUMMARY

The Pillar Square Series cylinder luminaires are great for both indoor and outdoor use. They provide a soft, diffuse light perfect for lobbies and foyers or to illuminate driveways and walkways

It is suitable for highlighting sidewalks and buildings, available in a small, attractive envelope that does not distract from the building.

Features

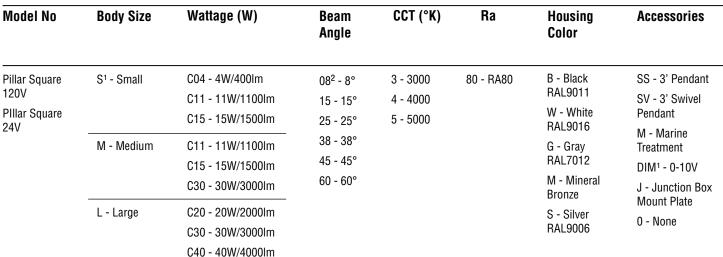
- Durable extruded die cast aluminium housing
- Tempered glass lens cover
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Available in narrow, medium beam and wide beam distribution options for precise optical control
- Suspended mounting bracket
- Extra narrow 8° beam option for precision illumination
- Different body sizes suitable on interior or exterior applications
- Dimmable

Specification

Volts: AC100-277V or 24VDC PF: >0.95 Environment Location: IP65 Average Rated Life: 90,000hrs CRI: RA80 Ambient Temp: -4°F to 131°F

PRODUCT CODE

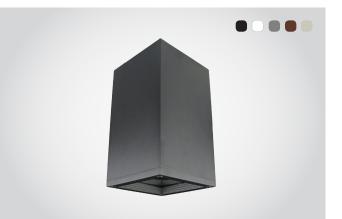
Example Pillar Square 120V cat. S.C30.45.3.80.B.M/SS/SV



NOTES

10-10V dimming not available for small body

²8° beam available for 40W model



DISTRIBUTION

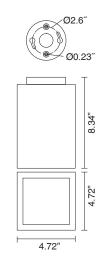


PILLAR SQUARE

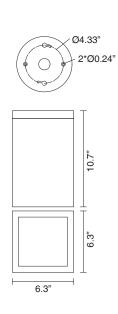
Flush Square Downlight

DIMENSIONS

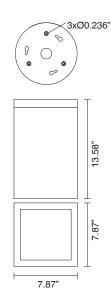
Small Body Weight: 3.1bs (1.4kg)



Medium Body Weight: 8.4lbs (3.8kg)



Large Body Weight: 12.1lbs (5.5kg)



Ingrade

These series of ingrade luminaires can withstand vehicle loads of up 4400lbs and include options such as adjustable tilt, rotatable aperture and interchangeable lens options.

Designed for installation in pre cored holes, stone, tiles or timber surfaces

CASPIAN SERIES

Ingrade Uplight



Applications: Building perimeters, bars & shopping malls, corporate offices building facades & entrances architectural

PERFORMANCE SUMMARY

With enough impact resistance to withstand both foot and vehicle traffic, the Caspian Inground LED Floor Fitting is available in three sizes and can be fitted with a wide range of optics (symmetrical, asymmetrical, fixed or adjustable beam reflectors) trims or housings, depending on different light engineering and installation requirements.

Features

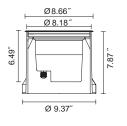
- Durable extruded die cast aluminium housing
- Thermal shock resistant glass lens cover rated to 4,400lbs/20mph
- High impact protection rating (IK10) protects from acts of vandalism
- Elegant marine grade stainless steel trim
- 113°F surface touch temperature
- Available in symmetric, asymmetrical and adjustable beam reflectors for precise optical control
- 240V or 24V DC RGB colour changing option, with inbuilt driver . interface to DMX decoding system
- Glare reducing baffle option

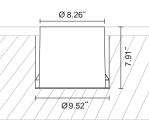
Specification

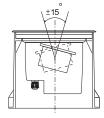
Volts: AC100-277V or 24V DC Average Rated Life: 100,000hrs CRI: RA80 Environment Location: IP67 Touch Temperature: <45°C Weight Rating: 4,400lbs Ambient Temp: -4°C to 113°C

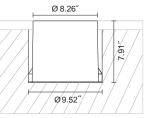
DIMENSIONS

Caspian



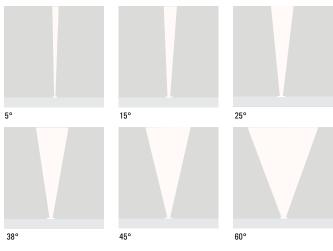






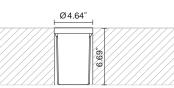


DISTRIBUTION



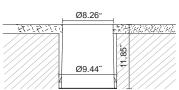
Mini Caspian





Caspian XL





Caspian XXL





CASPIAN SERIES

PRODUCT CODE

Example Caspian cat. 120.C7.60.4.S4.H

Model No	Voltage	Wattage (W)	Beam Angle	CCT(°K)	Cover Ring	Accessories
Caspian	120 - 120-277VAC	C6.5 - 6.5W/630m	05 - 05°	3 - 3000	S4 - 304	H - Baffle Louvre
	24 - 24VDC	C10 - 10W/900Im	15 - 15°	4 - 4000	Stainless Steel	M - Marine
		C14 - 14W/1,260Im	25 - 25°	6 - 6000	S16 - 316 Stainless Steel	Resistance
			38 - 38°	R - Red	Stanness Steel	DIM - 0-10V Dimming
			45 - 45°	G - Green		DMX - DMX Decoder
			60 - 60°	B - Blue		SRL - Antislip Lens
			5015 - H50°x V10°	RGB - RGB		0 - None
			6010 - H60°x V10°			
Mini Caspian	120 - 120-277VAC	C4 - 4W/350Im	05 - 05°	3 - 3000	S4 - 304	H - Baffle Louvre
			15 - 15°	4 - 4000	Stainless Steel	M - Marine Resistance
			25 - 25°	6 - 6000	S16 - 316 Stainless Steel	SRL - Antislip Lens
			38 - 38°	R - Red		0 - None
			45 - 45°	G - Green		
			60 - 60°	B - Blue		
			3515 - H35°x V15°	RGB - RGB		
Caspian XL	120 - 120-277VAC	C22 - 22W/1,980lm	15 - 15°	3 - 3000	S4 - 304	H - Baffle Louvre
·			24 - 24°	4 - 4000	Stainless Steel	M - Marine Resistance
			36 - 36°	5 - 5000	S16 - 316 Staiplana Staal	DIM - 0-10V Dimming
			4520 -		Stainless Steel	C - Concentric Louver
			H45°x V20°			SRL - Antislip Lens
						0 - None
				0.0000	04.004	
Caspian XXL	120 - 120-277VAC	C44 - 44W/3,960lm	8 - 8°	3 - 3000	S4 - 304 Stainless Steel	H - Baffle Louvre
			18 - 24°	4 - 4000	Stainless Steel S16 - 316 Stainless Steel	M - Marine Resistance
			36 - 36°	5 - 5000		DIM - 0-10V Dimming
			72 - 72° 5515 -			C - Concentric Louver SRL - Antislip Lens

SUBMARINER Submersible Inground Luminaire



Applications: Swimming pools, ponds and water features, aquarium, aquatic centers, architectural and much more

PERFORMANCE SUMMARY

Available in a variety of beam angles and capable of being submerged in depths of up to 5m, the Submariner LED is ideal for swimming pools, lakes, water features and aquatic architectural attractions.

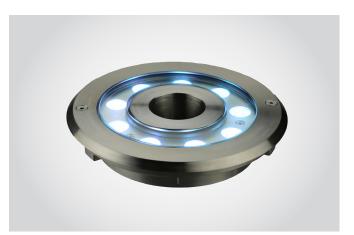
The Submariner Submersible LED Uplight is a robust, elegant luminaire offering IP68 high ingress protection for marine lighting applications

Features

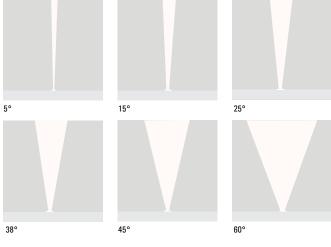
- Fully submersible to 5m depth
- Durable extruded die cast aluminium housing
- High impact protection rating tempered glass lens
- Elegant marine grade 316 stainless steel trim
- Available in numerous narrow and wide beam distributions for precise optical control
- 240V or 24V DC RGB colour changing option, with inbuilt driver interface to DMX decoding system

Specification

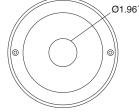
Volts: AC100-277V or 24V DC Average Rated Life: 100,000hrs CRI: RA80 Environment Location: IP68 Submersible Depth: 5m Ambient Temp: -4°F to 122°C PF: > 0.95

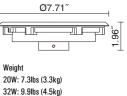


DISTRIBUTION



DIMENSIONS





PRODUCT CODE

Example Submariner cat. C20.25.6.80.RND

Model No	Wattage (W)	Beam Angle	CCT (°K)	Ra	Accessories
Submariner 24V	C20 - 20W	05 - 5°	3 - 3000	80 - RA80	
Submariner 120V	C321 - 32W	15 - 15°	4 - 4000		Non Dimmable Driver
		25 - 25° 6 - 6000	6 - 6000		RDM - Remote Dimmable Driver
		45 - 45°	R - Red		DMX - DMX Decoder
		60 - 60°	G - Green		
NOTES			B - Blue		
¹ RGB option available for 32W			RGB - RGB		



Applications: Building perimeters, bars & shopping malls, corporate offices building facades & entrances architectural

PERFORMANCE SUMMARY

A small-sized modular lighting system, ideal for path lights and to enhance facades and buildings. Suitable for recessing, the Sunled Spiros range can be combined with the Lineo wall-mount model to meet any lighting design requirements.

Features

- 10mm thick silkscreen-printed tempered glass screen, resistant to thermal shock
- 500kg static load rating
- Durable extruded die cast aluminium housing
- IP67 rating one piece silicon gasket
- Elegant marine grade stainless steel trim
- 240V or 24V DC RGB colour changing option, with built in driver and interface to DMX decoding system
- Available in a multitude of distributions for precise optical control
- 15° manual tilt lens option

Specification

Volts: AC120-277V Average Rated Life: 90,000hrs CRI: RA80 Environment Location: IP67 PF: > 0.95 Ambient Temp: -20°C to 45°C Touch Temp: < 45°C

Benefits

- Maximum flexibility with a wide range of beam types, optics and lengths
- Perfect for creating customised lighting design solutions
- . Load rating allows for installation in areas with foot traffic

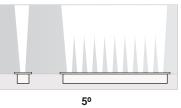
PRODUCT CODE

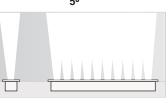
Example Spiros Cat. C16.3.80.45.S4.M

Model No	Wattage (W)	CCT (K)	Ra	Beam Angle	Cover Frame	Accessories
Spiros	C16 - 16W 1704Lm	3 - 3000	80 - RA80	05 - 5°	S4 - 304 Stainless Steel S6 - 316 Stainless Steel	T - 15° Tilt to Wall
		4 - 4000		15 - 15°		L - Linkable
	C28 - 28W 2650Lm	6 - 6000		25 - 25°		M - Marine Resistance
		R - Red		45 - 45°		
		G - Green		60 - 60° 6010 - H60°xV10°		DIM - 0-10V Dimming
		B - Blue				DMX - DMX
		RGBW - RGBW			Decoder	
						0 - None

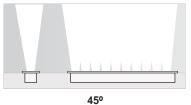


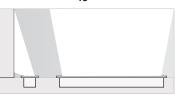
DISTRIBUTION









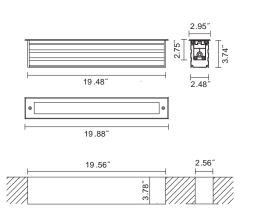


60°x10°

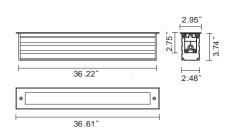
SPIROS Linear Inground Uplight

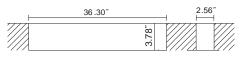
DIMENSIONS

Spiros C16



Spiros C28







Facade

Made for delicate accent applications with a compact profile and a range of mounting canopies, this series of architectural floodlights are available in an array of sizes and beam angles.

With optional accessory add-ons these luminaries set the bench mark in design accuracy and efficiency



Applications: Building perimeters, bars & shopping malls, corporate offices building facades & entrances architectural

PERFORMANCE SUMMARY

The Sunled Prezio facade floodlight is a lighting solution that offers high-performance with an exhaustive range of options

An adjustable bracket allows for a complete 180° rotation of Prezio, makes it perfect for decorating outdoor environments such as entrances of shops, architectural attractions and building facades

Features

- Durable extruded die cast aluminium housing
- Tempered glass lens cover
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Multitude of mounting applications for use in commercial and residential facade applications
- Extensive range of accessories
- Dimmable

Specification

Volts: AC100-277V or 24V DC Environment Location: IP65 Average Rated Life: 90,000 Ambient temp: -20°C to 45°F CRI: RA80 PF: > 0.95

PRODUCT CODE

Example Prezio I cat. C6.3.S.15.CR.R.B.P

Model No	Wattage	CCT (K)	Cable Entry	Beam Angle	Cover Frame	Gear Box	Housing Color	Accessories
Prezio I	C6 - 6W	3 - 3000	B - Bottom	15 - 15°	CR - Ring	R - Round	B - Black	S - Ground Stake
	C11 - 11W	4 - 4000	S - Side	30 - 30°	CV - Top Visor	T - Trapezoid	RAL9011	P - Tree Strap
Prezio II	C20 - 20W	5 - 5000		45 - 45°	CF - Full Visor		W - White RAL9016	H - Honeycomb
	C27 - 27W			H - H55°xV20°			G - Gray	Louver
Duesia III				V - H20°xV55°			RAL7012	M - Marine Treatment
Prezio III	C36 - 48W						M - Mineral	B2 - 2ft Bracket
	C48 - 48W						Bronze	B3 - 3ft Bracket
							S - Silver	
							RAL9006	B6 - 6ft Bracket

0 - None

ACCESSORIES

Round Gear Box

Trapezoid Horizontal Spread Gear Box H55°xV20°

Vertical Spread H20°xV55°



A

Ground Mounted

pia . Wall Mounted Bracket Mount

Tree Strap

Ground Stake









PREZIO

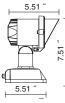
Facade Floodlight

DIMENSIONS

Prezio I

Weight: (May vary with accessories) 3.5lbs (1.6kg)

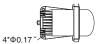






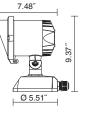
4.4″

L





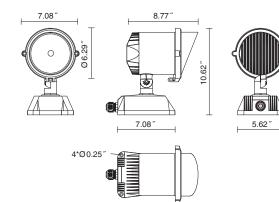




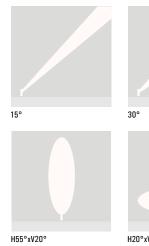


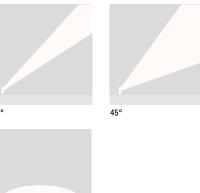
Prezio III

Weight: 9.7lbs (4.4kg)



BEAM ANGLE





H20°xV55°





Applications: Building perimeters, bars, shopping malls, corporate offices, building facades, entrances and architectural

PERFORMANCE SUMMARY

The Sunled Accenture LED Floodlight range features carefully designed optics built to harness light in the most efficient way possible, while its ability to be adjusted provides the ultimate flexibility

Accenture's combination of advanced technology and unique design elements create a robust yet aesthetically-pleasing accent light.

Features

- High impact polycarbonate lens cover
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Available in 7 different distributions precise optical control
- 240V or 24V DC RGB colour changing option, with built in driver and interface to DMX decoding system
- Exhaustive range of accessories and shrouds
- Different body sizes for building, facade or general perimeter illumination applications
- Optional wall, floor or stem mounting bracket
- Dimmable

Specification

Volts: AC100-277V or 24V DC PF: >0.95 Average Rated Life: 80,000hrs **CRI: RA80 Environment Location: IP65** Ambient temp: -20°C to 45°C

PRODUCT CODE

Example Accenture I 120V cat. M.C10.3.60.NS.B.KA/H/M

Model No	Body Size	Wattage (W)	CCT (K)	Beam Angle	Shroud	Housing Color	Accessories	
Accenture I 120V	S ¹ - Small	C4 - 4W/352Im C8 - 8W/704Im	3 - 3000 4 - 4000	10 - 10° 15 - 15°	NS - No Shroud AS - Anale Shroud	B - Black RAL9011	KA - Bracket A KB - Bracket B	H - Honeycomb Louver
Accenture I 24V	M - Medium	C10 - 10W/880lm C15 - 15W/1320lm	5 - 5000 R - Red	25 - 25° 45 - 45°	OS - Open Straight	W - White RAL9016 G - Gray	KC - Bracket C KD - Bracket D	J - Pole Clamp 3.7"-3.9" M - Marine
	L - Large	C20 - 24W/1760lm C30 - 30W/2640lm C40 - 40W/3520lm	G - Green B - Blue RGB - RGB	60 - 60° 5520 H55°xV20° 2055		RAL7012 M - Mineral Bronze S - Silver	J - Junction Box R - Remote Driver S - Ground Stake P - Tree Strap	Corrosion Resistant DMX - DMX Decoder
NOTES				H55°xV20°		Bronze	S - G	Fround Stake

NOTES

¹TRIAC dimming available for small body



ACCENTURE

LED Facade Spotlight

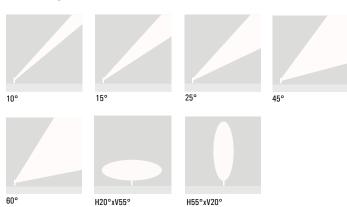
PRODUCT CODE

Example Accenture II 120V cat. S.C8.6.25.AS.B.H/M

Model No	Body Size	Wattage (W)	CCT (K)	Beam Angle	Shroud	Housing Color	Accessories
Accenture II	S ¹ - Small	C4 - 4W/352Im	3 - 3000	10 - 10°	NS - No Shroud	B - Black	H - Honeycomb
120V		C8 - 8W/704Im	4 - 4000	15 - 15°	AS - Angle Shroud	RAL9011	Louver
Accenture II 24V	M - Medium	C10 - 10W/880Im	5 - 5000	25 - 25°	OS - Open Straight	W - White RAL9016	DMX - DMX Decoder
	in mount	C15 - 15W/1320Im	R - Red	45 - 45°		G - Grav	M - Marine
		013 1300/1320111	G - Green	60 - 60°		RAL7012	Corrosion
			B - Blue	5520		M - Mineral	Resistant
			RGB - RGB	H55°xV20°		Bronze	0 - None
NOTES				2055 H20°xV55°		S - Silver RAL9006	

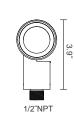
¹TRIAC dimming available for small body

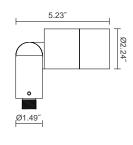
BEAM ANGLE

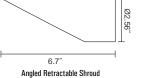


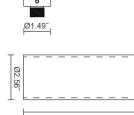
DIMENSIONS

Accenture I/Small Body Weight: 3.5lbs (1.6kg)



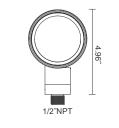


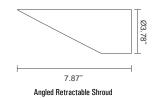


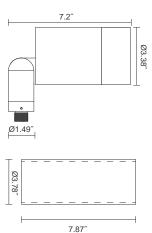


6.7″ Open Straight Retractable Shroud

Accenture I/Medium Body Weight: 3.7lbs (1.7kg)







Open Straight Retractable Shroud

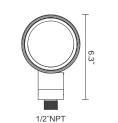
8.58″

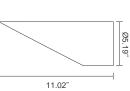
Ø1.49″

Ø5.

19







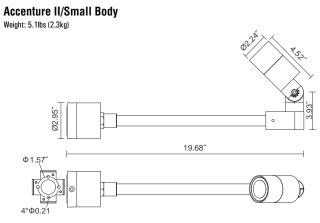
Angled Retractable Shroud

11.02"

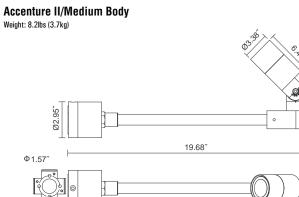
Ø4.72″

ACCENTURE

LED Facade Spotlight



4***Φ**0.21





Applications: Building perimeters, bars & shopping malls, corporate offices building facades & entrances architectural

PERFORMANCE SUMMARY

A small-sized modular lighting system, Lineo is ideal for pathways and enhancing facades and buildings.

Suitable for flush or surface mounting, the Sunled surface mounted exterior linear LED range also includes a recessed model to meet any lighting design requirements

Features

- Silkscreen printed tempered glass lens resistant to thermal shock
- 240V or 24V DC RGB colour changing option, with built in driver and interface to DMX decoding system
- Durable extruded die cast aluminium housing
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Multitude of mounting applications for use in commercial and residential facade applications
- Exhaustive range of accessories
- Dimmable

Specification

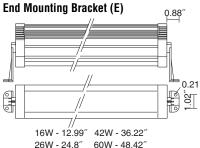
Volts: AC100-277V or 24V DC Average Rated Life: 90,000hrs Environment Location: IP65 Ambient temp: -0°C to 45°C PF: > 0.95 CRI: RA80

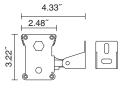


DIMENSIONS

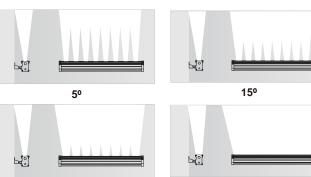
Side Mounting Bracket (S)











40°x15°

45º

PRODUCT CODE

Example Lineo cat. C16.3.80.45.S.B.M

Model No	Wattage (W)	CCT (K)	Beam Angle	Mounting Bracket	Housing Color	Accessories
Lineo	C16 - 16W/1600Im	3 - 3000	05 - 05°	S - Side	B - Black RAL9011	T - 15° Wall Tilt
	C26 - 26W/2600Im	4 - 4000	15 - 15°	Mounting Bracket	W - White RAL9016	M - Marine
	C42 - 42W/4200lm	5 - 5000	25 - 25°	E - End	G - Gray RAL7012	Treatment
	C58 - 58W/5800lm	R - Red	45 - 45°	Mounting Bracket	M - Mineral Bronze	DIM - 0-10V Dimming
		G - Green	60 - 60°		S - Silver RAL9006	0 - None
		B - Blue	4015 - H40°xV15°			0 110110
		RGBW - RGBW	6010 - H60°xV10°			



3 Urban

3 URBAN

POLETOP



Pole Top

Our pole top luminaires have been exclusively designed for exquisite visual interest both in dayform and night time illumination. Featuring IES capable beam angle solutions, Sunled architectural pole tops can be installed in pedestrian areas, walkways and large area applications

AUGUSTUS MOD/A

3 Way LED Urban Light



Applications: Civic and government, outdoor area's, parks and pathways, pedestrian, urban environments

PERFORMANCE SUMMARY

Made from a lightweight yet robust material, the Augustus series LED Urban Light merges classic and modern design elements together to create a stunning luminaire perfect for grand promenades, business districts, shopping malls and parks alike.

The Augustus series is supplied with a double layer of protective paint resistant to corrosion and UV rays

Consfruction

- Contemporary design blends harmoniously into urban environments
- Heavy duty injection die cast aluminium housing and cover
- UV stabilised polyester powdercoat finish for durability and corrosion resistance. Available in matt black (standard), bronze, or white finishes
 5mm tempered glass lens

Optics

- Optical control delivers 4 distributions in type II, III, IV, V
- Engineered individual lenses made of optical grade polycarbonate for maximum light efficiency
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900mm

Electrical

- Philips SPD (10kV) built in surge protection device
- Class 1 dimmable electronic driver with PF > 90%, THD <20%, 50,000hrs servicable life with <1% failure rate
- LumiLEDs 3030 light engine mounted to a stainless steel heatsink ensuring optimal thermal management and long life

Specification

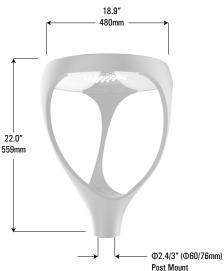
Volts: AC120-277V PF: > 0.90 CRI: RA70 Average Rated Life: 50,000hrs Environment Location: IP65 Ambient Temp: -20°F to 113°F Mounting: Φ60/76mm

PRODUCT CODE

Example Augustus Mod/A cat. 60.T3.35.PB.BL.PE

Model No	Wattage (W)	Distribution	CCT (°K)	Mounting	Finish	Control
Augustus Mod/A	30 - 30W/3,600 lms	T2 - Type 2	3 - 3000	PA - 60mm Pole	BL - Matt Black	PE - Top Mount
	60 - 60W/7,200 lms	ТЗ - Туре З	35 - 3500	PB - 76mm Pole	BR - Bronze	Photoelectric
	90 - 90W/10,800lms	T4 - Type 4	4 - 4000	WB- Wall Bracket	W - White	0 - None
	150 - 150W/18,000 lms	T5 - Type 5	5 - 5000			





AUGUSTUS MOD/B

Diffused LED Urban Light



Applications: Civic and government, outdoor area's, parks and pathways, pedestrian, urban environments

PERFORMANCE SUMMARY

Made from a lightweight yet robust material, the Augustus series LED Urban Light merges classic and modern design elements together to create a stunning luminaire perfect for grand promenades, business districts, shopping malls and parks alike.

The Augustus series is supplied with a double layer of protective paint resistant to corrosion and UV rays

Consfruction

- · Contemporary design blends harmoniously into urban environments
- Heavy duty injection die cast aluminium housing and cover
- UV stabilised polyester powdercoat finish for durability and corrosion resistance. Available in matt black (standard), bronze, or white finishes
- High Impact PMMA/PC lens

Optics

- Optical control delivers 4 distributions in type II, III, IV, V
- Engineered individual lenses made of optical grade polycarbonate for maximum light efficiency
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900mm

Electrical

- Philips SPD (10kV) built in surge protection device
- Class 1 dimmable electronic driver with PF > 90%, THD <20%, 50,000hrs servicable life with <1% failure rate
- LumiLEDs 3030 light engine mounted to a stainless steel heatsink ensuring optimal thermal management and long life

Specification

Volts: AC120-277V PF: > 0.90 CRI: RA70 Average Rated Life: 50,000hrs **Environment Location: IP65** Ambient Temp: -20°F to 113°F Mounting: $\Phi 60/76$ mm

PRODUCT CODE

Example Augustus Mod/B cat. 60.T3.35.PB.BL.PE

Model No	Wattage (W)	Distribution	CCT (°K)	Mounting	Finish	Control
Augustus Mod/B	30 - 30W/3,600 lms	T2 - Type 2	3 - 3000	PA - 60mm Pole	BL - Matt Black	PE - Top Mount
	60 - 60W/7,200 lms 90 - 90W/10,800lms	ТЗ - Туре З Т4 - Туре 4	35 - 3500 4 - 4000	PB - 76mm Pole WB- Wall Bracket	BR - Bronze W - White	Photoelectric 0 - None
	150 - 150W/18,000 lms	T5 - Type 5	5 - 5000			





AUGUSTUS MOD/C

Open Ended LED Urban Light



Applications: Civic and government, outdoor area's, parks and pathways, pedestrian, urban environments

PERFORMANCE SUMMARY

Made from a lightweight yet robust material, the Augustus series LED Urban Light merges classic and modern design elements together to create a stunning luminaire perfect for grand promenades, business districts, shopping malls and parks alike.

The Augustus series is supplied with a double layer of protective paint resistant to corrosion and UV rays

Consfruction

- Contemporary design blends harmoniously into urban environments
- Heavy duty injection die cast aluminium housing and cover
- UV stabilised polyester powdercoat finish for durability and corrosion resistance. Available in matt black (standard), bronze, or white finishes
- 5mm tempered glass lens

Optics

- Optical control delivers 4 distributions in type II, III, IV, V
- Engineered individual lenses made of optical grade polycarbonate for maximum light efficiency
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900mm

Electrical

- Philips SPD (10kV) built in surge protection device
- Class 1 dimmable electronic driver with PF > 90%, THD <20%, 50,000hrs servicable life with <1% failure rate
- LumiLEDs 3030 light engine mounted to a stainless steel heatsink ensuring optimal thermal management and long life

Specification

Volts: AC120-277V PF: > 0.90 CRI: RA70 Average Rated Life: 50,000hrs Environment Location: IP65 Ambient Temp: -20°F to 113°F Mounting: Φ60/76mm

PRODUCT CODE

Example Augustus Mod/C cat. 60.T3.35.PB.BL.PE

Model No	Wattage (W)	Distribution	CCT (°K)	Mounting	Finish	Control
Augustus Mod/C	30 - 30W/3,600 lms	T2 - Type 2	3 - 3000	PA - 60mm Pole	BL - Matt Black	PE - Top Mount
	60 - 60W/7,200 lms 90 - 90W/10,800lms	ТЗ - Туре З Т4 - Туре 4	35 - 3500 4 - 4000	PB - 76mm Pole WB- Wall Bracket	BR - Bronze W - White	Photoelectric 0 - None
	150 - 150W/18,000 lms	T5 - Type 5	5 - 5000			





COMMODUS

LED Post Top Luminaire



Applications: Civic and government, outdoor area's, parks and pathways, pedestrian, urban environments

PERFORMANCE SUMMARY

The Commodus series has been designed to meet the aesthetic qualities desired in contemporary style, ultimately adding elegance and visibility to any outdoor setting.

With its multiple mounting choices the Commodus is perfect for retro-fit projects and can deliver a greater than 50% reduction in energy usage over traditional HID sources. The elegant clean lines compliments dayform architecture, while the state-of-the-art LED source provides high efficacy night time illumination

Consfruction

- Clean, smooth design blends harmoniously into outdoor environments
- Heavy duty IP65 rated injection die cast aluminium housing and cover
- UV stabilised polyester powdercoat finish for durability and corrosion resistance. Available in matt black (standard), bronze, or white finishes
- 5mm tempered glass lens
- Wall or pole mounting options both in bishop or outreach arm configurations

Optics

- Optical control delivers 4 distributions in type II, III, IV, V
- Engineered individual lenses made of optical grade polycarbonate for maximum light efficiency
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900mm

Electrical

- ∎ 120-277VAC
- Operating Temperature: -20°F to 113°F
- Philips SPD (10kV) built in surge protection device
- Class 1 dimmable electronic driver with PF > 90%, THD <20%, 50,000hrs servicable life with <1% failure rate
- Light engine mounted to a stainless steel heatsink ensuring optimal thermal management and long life

PRODUCT CODE

Example Commodus cat. 30.T3.35.PB.BL.0

Model No	Wattage (W)	Distribution	CCT (°K)	Mounting	Finish	Sensor
Commodus	30 - 30W/3,600 lms	T2 - Type 2	3 - 3000	SBP - Single Bishop Pole	BL - Matt Black	PE - Top Mount Photoelectric
	60 - 60W/7,200 lms 90 - 90W/10,800lms	T3 - Type 3 T4 - Type 4	35 - 3500 4 - 4000	DBP - Double Bishop Pole SPO - Single Pole Outreach	BR - Bronze W - White	0 - None
	150 - 150W/18,000 lms	T5 - Type 5	5 - 5000	DPO - Double Pole Outreach		
				AA - Outreach Arm Adaptor		
				SBW - Single Bishop Wall		
				SWO - Single Wall Outreach		
				0 - None		



Specification					
Lumen Package	3,600 - 18,000				
Wattage Range	30 - 150				
Efficacy	120				
Weight Ibs (kg)	26.0 (11.8) - 28.6 (13.0)				

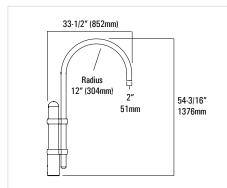


COMMODUS

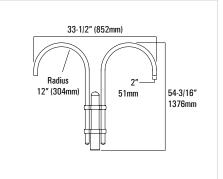
LED Post Top Luminaire

MOUNTING

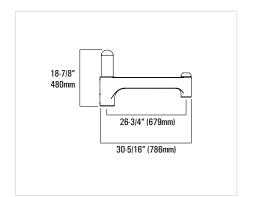




SINGLE BISHOP POLE MOUNT ARM Slipfits over 4" round straight pole or 4" OD x 6" tall round tenon Weight: 23lbs. EPA 0.88

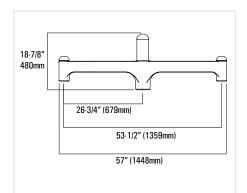


DOUBLE BISHOP POLE MOUNT ARM Slipfits over 4" round straight pole or 4" OD x 6" tall round tenon Weight: 36lbs. EPA 1.37



SINGLE POLE OUTREACH ARM

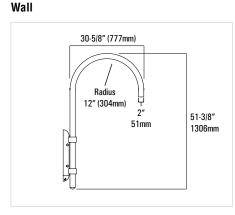
Slipfits over 4" round straight pole or 4" OD x 6" tall round tenon Weight: 19lbs. EPA 0.84



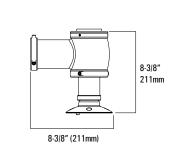
DOUBLE POLE OUTREACH ARM

Slipfits over 4" round straight pole or 4" OD x 6" tall round tenon Weight: 29lbs. EPA 1.42



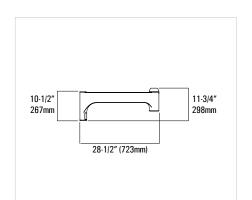


SINGLE BISHOP WALL MOUNT ARM Mounts to wall with 4 no. heavy duty bolts provided by others Weight: 17lbs



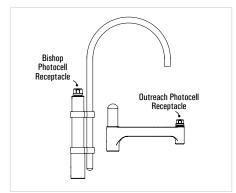
OUTREACH ARM ADAPTOR

Slides over 2" outreach 2-3/8" ODI Weight 3.6lbs.



SINGLE WALL OUTREACH ARM Mounts to wall with 4 no. heavy duty bolts provided by others Weight: 16lbs

Sensors



PHOTOCELL RECEPTACLE Factory fitted. Compatible only with bishop and single pole outreach



Applications: Pedestrian areas, parks, mall walkways, courtyards, campuses, civic and government

PERFORMANCE SUMMARY

The Domus side entry luminaire is the perfect choice for urban environments where aesthetics and visual comfort are needed. With clean smooth lines that blend harmoniously into any architectural space, the low-profile shape of Domus is elegant, yet unobtrusive

Tailored for campuses, parks, pedestrian malls, courtyards and pathways, the Domus side entry is an architectural solution creating beautiful aesthetics both in day and night form

Consfruction

- Clean, smooth design blends harmoniously into outdoor environments
- Heavy duty injection die cast aluminium housing and cover
- UV stabilised polyester powdercoat finish for durability and corrosion resistance. Available in matt black (standard), bronze, or white finishes
- Excellent thermal management
- 5mm tempered glass lens

Optics

- Precision optical control delivers 4 distributions in type II, III, IV, V
- Engineered individual lenses made of optical grade polycarbonate for maximum light efficiency
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900mm

Electrical

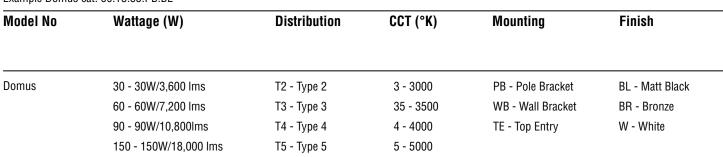
- Philips SPD (10kV) built in surge protection device
- Class 1 dimmable electronic driver with PF > 90%, THD <20%, 50,000hrs servicable life with <1% failure rate
- LumiLEDs 3030 light engine mounted to a stainless steel heatsink ensuring optimal thermal management and long life

Specification

Volts: AC120-277V PF: > 0.90 Average Rated Life: 50,000hrs CRI: RA70 Environment Location: IP65 Ambient Temp: -20°F to 113°F Mounting: Φ42/60/76mm

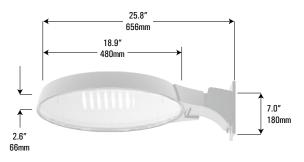
PRODUCT CODE

Example Domus cat. 60.T3.35.PB.BL





DIMENSIONS



OPTIONS









Applications: Municipal streets and public roadways, streetscape, residential areas, parks and recreation, commercial districts, government, urban environments

PERFORMANCE SUMMARY

The Quartz Series LED outdoor luminaire provides a traditional low profile form factor. Its distinct old fashioned lantern-type appeal gracefully compliments the architectural and streetscape design of parks, roadways and urban environments

Combining installation friendly features with a powerful LED core, the Quartz Series offers excellent optical control and heat dissipation, providing an exceptional light source while reducing maintenance and prolonging overall service life

Consfruction

- Classic colonial styling compliments a wide range of urban settings
- Die cast thick gauge IK05 steel construction/or 304 stainless steel body
- Surface finished with a proprietary marine grade salt spray treatment, withstanding harsh environments and seaside areas
- UV stabilised polyester powdercoat finish for optimal color and gloss retention

Optics

- Available in vandal resistant PC diffuser or clear glass lens with IP66 protection rating
- 150lm/w LED light core with excellent uniformity and lamp life
- Delivered lighting output up to 13,200 median lumens

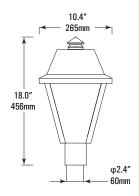
Electrical

- 6kV/Voltage Suppressors as per ANSI/IEEE C62.41.2-2002 TVS
- High efficiency LED Driver, with wide ranging input voltages AC100-277V
- Optional top mount photocell or microwave sensor control
- Operating Temperature: -40°F to 122°F
- PF: > 0.95



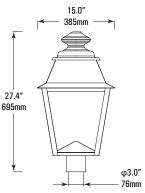
DIMENSIONS 25/35W

Weight (May vary with accessories) 39.2lbs (17.8kg)



60/80/100/120W Weight: 41.9lbs (19.0kg)

Weight: 41.9lbs (19.0kg)



PRODUCT CODE

Example Quartz cat. 25.12.4.G.PC.ST.MS

Model No	Wattage	Distribution	CCT (°K)	Color	Lens	Housing	Options
Quartz	25 - 25W/2,750 lms	12 - 120°	3 - 3000	G - Gray	PC - Poly-	ST - Steel	MS - Motion
	35 - 35W/3,850 lms		4 - 4000	RAL7016	Carbonate	SS - 304	Sensor
	60 - 60W/6.600lms	T4 - Type IV	5 - 5000	B - Black RAL9005	CL - Clear Glass	Stainless Steel	PE - Photocell
	80 - 80W/8,800 lms	T5 - Type V	57 - 5700		0 - None		SPD - Surge Protection
	100 - 100W/11,000 lms						0 - None
	120 - 120W/13,200 lms						

Bollards

Sunled's Series of urban and architectural bollards offer shielding in both 180° and 360° heads with a factory cut customizable shaft heights in most popular RAL finishes.

These configurations can be assembled quick and easy onsite or adjusted during operation for a tailored illumination solution





Applications: Corporate offices, civic and government, education and healthcare, parks and pathway, urban environments

PERFORMANCE SUMMARY

Durable die-cast aluminum luminaire housing mounts directly to 8" (200mm) diameter pole (included) without visible mounting hardware for clean appearance. Pole mounts to rugged die cast aluminum internal flange secured by four 3/8" - 7-7/8" anchor bolts and hook (provided).

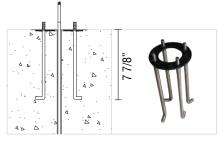
Features

- Premium driver provides unsurpassed system efficiency, control and protection.
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Corrosion and shock resistant die cast aluminium housing
- Available in high power model up to 3,200 lms
- 360° distribution
- Tempered glass lens for added vandal resistance
- Available in marine ambient corrosion resistant option for installation in seaside areas

Specification

Volts: AC100-277V Environment Location: IP65 Average Rated Life: 90,000 CRI: RA80/90 PF: > 0.95 Ambient temp: -20°C to 45°F

ANCHOR BOLT DETAIL



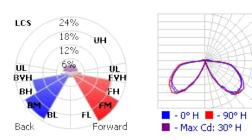
*Four anchor bolts included as standard

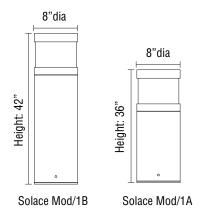
PRODUCT CODE

Example Solace Mod/1A cat. 20B3M



PHOTOMETRICS Solace Mod/1





Model No	Mod	Wattage	Finish	Color Temperature (°K)	Options
Solace	1A - 36"H x 8"dia	20 - 20W/2,000lms	B - Black	3 - 3000	M - Marine
		32 - 32W/3,200lms	RAL9011	4 - 4000	Treatment
	1B - 42"H x 8"dia	32 - 32W/3,200lms	W - White RAL9016	5 - 5000	DIM - 0-10V Dimming
			G - Gray RAL7012		0 - None
			M - Mineral Bronze		
			S - Silver RAL9006		

Louver LED Bollard



Applications: Corporate offices, civic and government, education and healthcare, parks and pathway, urban environments

PERFORMANCE SUMMARY

The Solace Mod/2 Series Bollard comes in a wide range of colours, and directs light to the ground giving a comfortable, well-defined beam. This sleek and stylish bollard combines a classic shape with outstanding performances.

Features

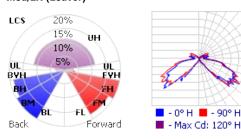
- State of the art driver provides unsurpassed system efficiency, control and protection.
- · Corrosion and shock resistant die cast aluminium housing
- Available in high power model up to 6000 lms
- 360° distribution
- Lower housing one piece, heavy walled, extruded die cast thick aluminium for added vandal resistance.
- Finished in proprietory powdercoat process withstanding extreme weather changes without cracking or peeling

Specification

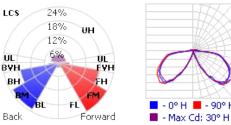
Volts: AC100-277V **Environment Location: IP65** Average Rated Life: 50,000 CRI: RA80 Weight: 24.9lbs Ambient temp: -4°F to 113°F



PHOTOMETRICS Mod/2A (Louver)



Mod/2B (Reflector)



- 90° H

PRODUCT CODE

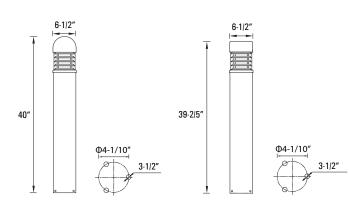
Example Solace Mod/2A cat. 25FT3LB

Model No	Mod	Wattage	Тор	Color Temperature (°K)	Finish
Solace	2A - Louver Lens	25 - 25W/1750lms	FT - Flat Top	3 - 3000	LB - Light Black
		35 - 35W/2450lms	DT - Dome Top	4 - 4000	(RAL7016)
	2B - Reflector Lens	25 - 25W/2500lms 35 - 35W/3500lms 50 - 50W/5000lms		5 - 5000 6 - 6000	DB - Dark Black (RAL9005)

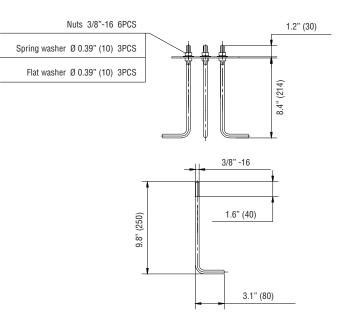
60 - 60W/6000lms

SOLACE MOD/2 Louver LED Bollard

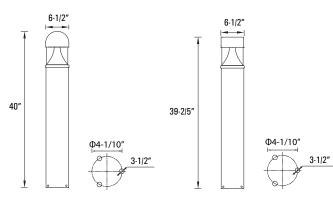
DIMENSIONS Solace Mod/2A



ANCHOR BOLT DETAIL



Solace Mod/2B





Applications: Corporate offices, civic and government, education and healthcare, parks and pathway, urban environments

PERFORMANCE SUMMARY

Features

- Premium driver provides unsurpassed system efficiency, control and protection.
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Corrosion and shock resistant die cast aluminium housing
- Available in a range of lumens packages up to 3,150 lms
- 180° one sided 360° circular symmetric distribution
- Tempered glass lens for added vandal resistance
- Available in marine ambient corrosion resistant option for installation in seaside areas

Specification

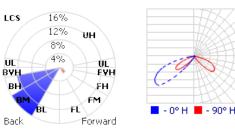
Volts: AC100-277V Environment Location: IP65 Average Rated Life: 90,000 CRI: RA80/90 PF: > 0.95 Ambient temp: -20°C to 45°F

REFLECTOR OPTIONS

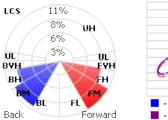


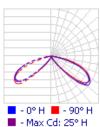


PHOTOMETRICS Mod/3—180°



Mod/3—360°





*Dimmable available in 15W/180° or 20W/360°

PRODUCT CODE

Example Solace Mod/3 cat. 18.5.32.4.W.M

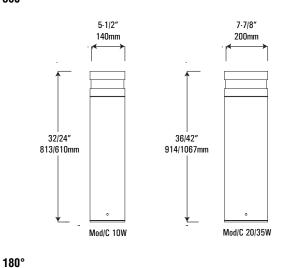
Model No	Distribution	Wattage	Height	CRI	CCT (°K)	Finish	Options
Solace Mod/3	18 - 180°	5 - 5W/450lms	24 - 24" 32 - 32"	80 - RA80 90 - RA90	3 - 3000 4 - 4000	B - Black (RAL9011)	M - Marine grade corrosion
		15 - 15W/1,350lms xx - Custom	15 - 15" 24 - 24" 36 - 36"		5 - 5000	W - White (RAL9016) G - Gray (RAL7012)	resistance DIM - 0-10v Dimming 0 - None
	36 - 360°	10 - 10W/900Ims	24 - 24" 32 - 32"			Z - Mineral Bronze S - Silver	
		20 - 20W/1,800lms 35 - 35W/3,150lms	36 - 36" 36 - 36"			(RAL9006)	
			42 - 42"				

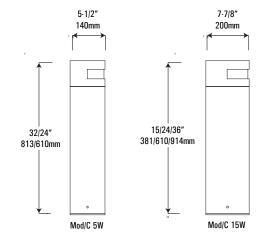
SOLACE MOD/3

Symmetric Asymmetric Bollard

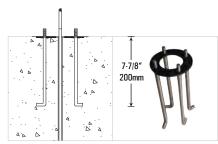
DIMENSIONS



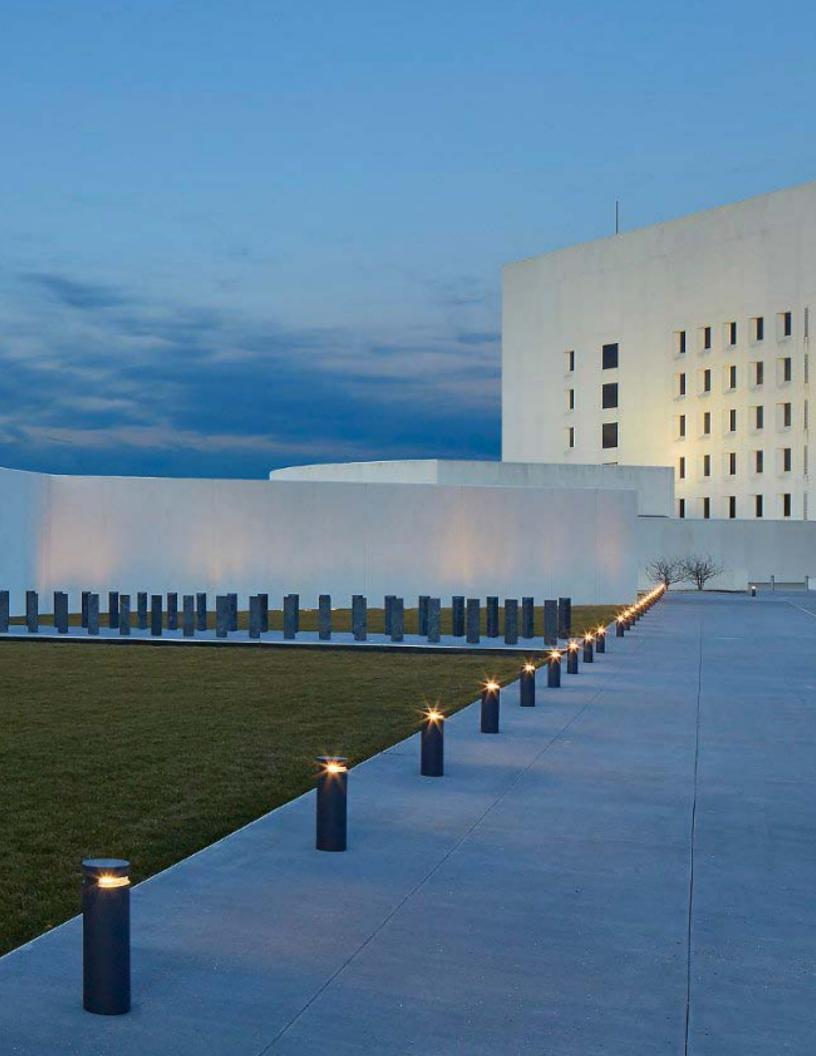




ANCHOR BOLT DETAIL



*Four anchor bolts included as standard



EXCALIBRE MOD/1

Architectural LED Bollard



Applications: Corporate and government, education and healthcare, parks and pathway, urban environments

PERFORMANCE SUMMARY

Excalibre Series dome-top open and louvered bollards provide uniform illumination, superior spacing and solid vandal resistance. Rugged extruded cast aluminium construction and gasketted silicon seals ensure durability for years of reliable maintenance-free operation

For harsh environments and demanding areas, its heavy duty steel base plate offers the ultimate in vandal protection. The Excalibre Series LED Bollard is stylish, versatile, with full cutoff optics that will meet the most stringent of liahtina codes.

Optics

- High transmission clear polycarbonate or glass lens seals the luminaire's optical chamber to IP65
- Light engines consist of high-efficacy LumiLED 3030 LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100.000 hours at at 25°C).
- 360° symmetric wide distribution for pathways
- CCT Selectable and emergency battery backup options

Construction

- One-piece 8-inch-OD round extruded aluminum shaft with thick side walls for extreme durability and vandal resistance.
- Die-cast aluminum reflector and top cap providing vandal resistance, effective heat dissipation and superior aesthetics
- Heavy duty zinc plated steel base plate with welded U shaped reinforcement for ultimate vandal protection
- Exterior parts are protected by super durable textured Akzo Nobel powder coat finish providing superior resistance to corrosion and weathering for maximum gloss retention

Specification

Volts: AC120-277VAC Dimming: 0-10V Average Rated Life: 50,000hrs **Environment Location: IP65** Ambient temp: -20°F to 113°F PF: > 0.9 CRI: RA70

PRODUCT CODE

Model No	Mod	CCT (°K)	Height	Finish	Options
Excalibre Mod/1	OL - Open Lens	345 - CCT	44 - 44" Standard	BL - Matt Black	BB - Battery Backup
	24W/1780lms	Changeable 3000/4000/5000	50 - 50"	BR - Bronze	0 - None
	LL - Louver Lens 24W/1285Ims	3 - 3500	56 - 56"	W - White	
		4 - 4000	62 - 62"		
		5 - 5000			



PHOTOMETRICS Louver Lens (LL)

Open Lens (OL)

LCS

III

BYH

B⊢

Back

32%

24%

16%

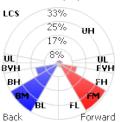
8%

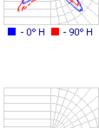
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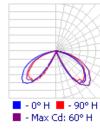
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Forward





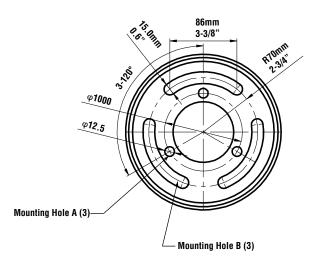


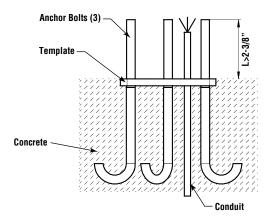
EXCALIBRE MOD/1

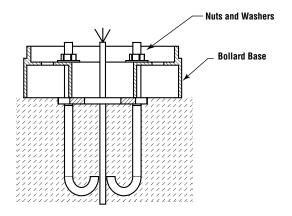
Architectural LED Bollard

STANDARD BASE DETAIL

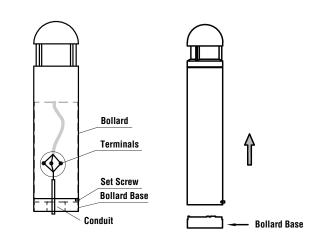
Note: Base plate dimensions change without notice. Consult sales rep for factory base plate templates



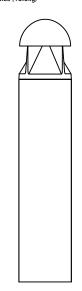


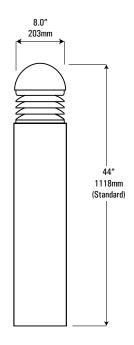


INSTALLATION



Louver/Open Weight: 22.0lbs (10.0kg)





EXCALIBRE MOD/2

Architectural LED Bollard



Applications: Corporate offices, civic and government, education and healthcare, parks and pathway, urban environments

PERFORMANCE SUMMARY

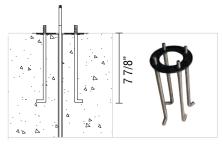
Features

- Premium driver provides unsurpassed system efficiency
- Surface finished with a proprietary Akzo Nobel treatment,
- withstanding harsh weather conditions without cracking or peeling
- Corrosion and shock resistant die cast aluminium housing • Available in a range of lumens packages up to 3,150 lms
- 360° circular symmetric distribution
- Lower housing one piece, heavy walled, extruded die cast thick aluminium for added vandal resistance.
- · Available in marine ambient corrosion resistant option for installation in seaside areas

Specification

Volts: AC100-277V **Environment Location: IP65** Average Rated Life: 90,000 CRI: RA80/90 PF: > 0.95 Ambient temp: -20°C to 45°F

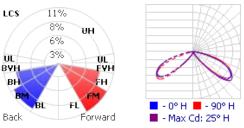
ANCHOR BOLT DETAIL



*Four anchor bolts included as standard

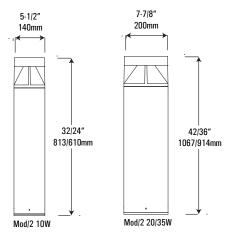


PHOTOMETRICS



*Dimmable available in 20/25W

DIMENSIONS



PRODUCT CODE

Example Excalibre Mod/2 cat. 10.24.80.3.B.M

Model No	Wattage	Height	CRI	CCT (°K)	Finish	Options
Excalibre Mod/2	10 - 10W/900lms	24 - 24"	80 - RA80	3 - 3000	B - Black RAL9011	M - Marine grade
		32 - 32"	90 - RA90	4 - 4000	W - White RAL9016	corrosion resistance
	20 - 20W/1,800lms	36 - 36"		5 - 5000	G - Gray RAL7012 Z - Bronze	DIM - 0-10v Dimming
	35 - 35W/3,150lms	36 - 36" 42 - 42"			S - Silver RAL9006	0 - None



4 Outdoor Wall

4 OUTDOOR WALL

FULL CUTOFF

	CONDOR WALL		EAGLE XL		DEFENDER
a state of the sta	104		112		119
v	GUARDIAN		ALPHA	FORWARD THROW	
	106		114		TURRET MOD/A
	AEROFORM		SIERRA FULL		121
	108		115		TURRET MOD/B
	SLATE	SEMI CUTOFF			122
100	110		SIERRA SEMI		
	GPACK	PT	115		
	111		RAZORLITE		
			118		

Full Cutoff

Fully covered from all sides other than the bottom, beam is only emitted down enabling these fixtures to be dark sky compliant, ideal for use where tight spill light and glare control is required



Sandard States and Andrews

THE AND AND

PROPERTY MANAGEMENT NC

CONDOR WALL

Wall Sconce Light



Applications: Commercial buildings, apartments, schools, hotels, public areas, schools, hospitals

PERFORMANCE SUMMARY

Available in two sizes, the Condor full cutoff LED Wall pack features a contemporary architectural style that will seamlessly integrate into the building during the day and provide superior illumination performance, using premium LED technology.

The Condor is designed for mounting heights up to 30' and offers a specialized wide beam distribution that maximize spacing's, effectively adding safety and security to building perimeter lighting applications

Construction

- High impact polycarbonate diffuser with IP65 weather listing
- Finished in polyester powdercoat process withstanding extreme weather changes without cracking or peeling
- Easy installation using a galvanised wall plate mounting directly to 4" junction box or 1/2" bottom entry conduit
- Built in mounting level

Optics

- Patented silicon coated LED modules refractor provides exceptional quality of converage and uniformity
- High efficiency optics deliver exceptional coverage with specialised 60x130° type 2 wide asymmetric beam
- Exceptional operating efficiency of 140lm/W
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900

Electrical

- High-performance driver features over-voltage and over-current control with short circuit protection and auto recovery
- Includes standard photo cell for dusk to dawn operation
- Emergency battery backup option

Specification

Volts: AC100-277V Average Rated Life: 50,000hrs CRI: RA80 Environment Location: IP65 Ambient Temp: -4°F to 122°F Sensor Range: 4.5-14 Fc

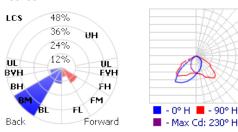
PRODUCT CODE

Example Condor Wall cat.50.3.BR.EM.613

Model No	Wattage	CCT (°K)	Finish	Options	Distribution
Condor Wall	30 - 30W/4,200 lms	3 - 3000	BR - Bronze	DIM - 0-10V Dimmable	613 - 60x130°
	50 - 50W/7,000 lms 70 - 70W/9,800 lms	4 - 4000 6 - 6000	BL - Black	EM - Emergency Backup	
	80 - 80W/11,200 lms			PC - Photocell	
	100 - 100W/14,000 lms			APC - Adjustable Photocell	
				0 - None	



PHOTOMETRICS 130x60°



Control



APC Adjustable Photocell

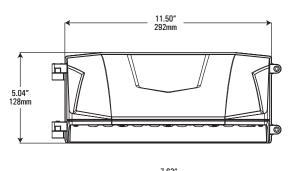


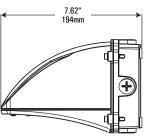
PC Photocell

CONDOR WALL Wall Sconce Light

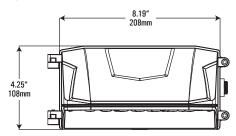
DIMENSIONS

70/80/100W Weight (May vary with accessories) 4.1lbs (1.87kg)





30/50W Weight: 10.3lbs (4.67kg)







Applications: Educational, automotive dealerships, petroleum, malls, corporate building, general perimeter lighting

PERFORMANCE SUMMARY

The all-new Sunled Guardian outdoor wall luminaire is design to exceed expectations in both architectural styling and visually appealing illumination, making it the best all-round choice for wall mounted luminaires

Capable of delivering up to 10,000 lumens with a pleasant non-pixelated light source, Guardian wall mounted luminaires offer 5 professional distributions ideal for almost any wall lighting applications from building perimeters to high mounting heights up to 20ft

Construction

- Clean lines with no fins that add a streamlined look to any building, enhancing both dayform and function
- Heavy duty die cast aluminum housing (IP67)
- Centralised flow-through convection system, pulls heat off both the optics and driving housing
- IK08 rated lens and body

Finish

- Corrosion resistant 100µm high temperature polyester powder coat
- 1000-hour salt spray certification as per ASTM B117/ ISO 9227:2012.
- Standard RAL colors Grey, Black, Bronze and White with any RAL customizations available

Optics

- . Wide beam optics engineered for a uniform throw with less light on the wall
- Five distribution options from T1-T5
- Each PCB fitted with a Transient Voltage Suppressor to protect the LEDs from surges induced by lightning and other voltage events.
- Lens constructed of durable impact and UV resistant optical polycarbonate
- Steel plate between optics and driver compartment adds protection to the light engine and prolongs LED life



Specification					
Lumen Package 2,000 - 10,000					
Wattage Range	15 - 61				
Efficacy Range	125 - 133				
Weight Ibs (kg)	12.7 (5.8)				

Electrical

- 120-277VAC or 347-480VAC
- Average rated life L70/L90: >200,000H/>60,000H
- Surge protection to 20kV/10kA as per ANSI/IEEE C62.41.2-2002
- Premium LEDs, driver and components with MOLEX and WAGO connectors
- PF: > 0.95 THD: <20% CRI: RA80
- Internal emergency lighting supply available
- Operating Temperature: -40°F to 131°F
- 1-10V dimming

PRODUCT CODE

Example Guardian 120 cat. 2L.T2M.30.BR.SPD.MS

Model No	Lumen Package¹	Distribution	CCT (°K)	Finish	Accessories	Control
Guardian 120	2L - 2,000 lms	T1M - Type 1 Medium	30 - 3,000K	BR - Bronze	SPD - 10kA/20kA	MS - Motion
120-277V	3L - 3,000 lms	T2M - Type 2 Medium	40 - 4,000K	RAL8019	Surge Protection	Sensor
Guardian 480	4L - 4,000 lms	T3M - Type 3 Medium	50 - 5,000K	BK - Black	BL - 5° Backlight Sheid	PE - Photocell
347-480V	5L - 5,000 lms	T4M - Type 4 Medium T5M - Type 5 Medium	57 - 5,700K	RAL9011 W - White RAL9010	EPS - Internal Emergency Power Supply	DIM - 1-10v
	8L - 8,000 lms					Dimming
	xxL - Custom	- <u>)</u> ,		G - Gray	0 - None	MP - Motion + Photocell
NOTES				RAL7004		0 - None

¹Factory tuning available to any output between 2,000 - 10,000Lms

GUARDIAN

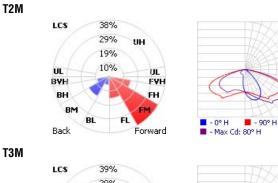
Outdoor Wall Light

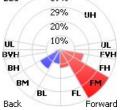
PERFORMANCE

Lumen	System	Drive			Initial Deliv	ered Lumens ¹	Efficacy
Package	Watts	Current	LED Modules	LED Count	3000K	4000/5000K	LPW
2L	15	265mA	1	18	1,814	2,015	130
3L	23	400mA	1	18	2,737	3,023	130
4L	31	530mA	1	18	3,627	4,030	130
5L	41	700mA	1	18	4,613	5,125	125
8L	61	530mA	2	36	7,427	8,052	132

¹Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered

PHOTOMETRICS

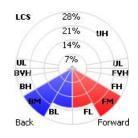


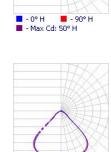


T4M



T5M





- 0° H
 - 90
 - Max Cd: 210° H

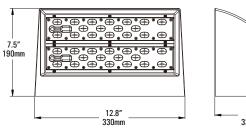
📕 - 90° H

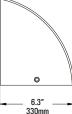
- 0° H
 - 9
 - Max Cd: 70° H

📕 - 90° H

DIMENSIONS

Weight: (May vary with accessories) 12.7lbs (5.8kg)









Applications: Commercial buildings, apartments, schools, hotels, public areas, schools, hospitals

PERFORMANCE SUMMARY

As versatile as it is stylish, the Aeroform Series is designed for multiple mounting options with a 90° adjustable bracket and sleek aerodynamic lines for a wall pack luminaire that converts to a whole lot more

Delivering a broad range of illumination solutions with superior performance, installation flexibility, long term reliability and significant energy savings—the Aeroform Series makes the choice simple for all your outdoor lighting applications.

Construction

- 90° adjustable wall or bracket mount provide versatility for flood and wall light options
- Clean lines compliment a wide range of outdoor settings
- High impact die cast aluminum body with UV resistant finish
- DLC Premium 5.1 qualified product
- IK08 impact rating

Optics

- 140lm/W operating efficiency
- Wide beam IES type 2 optics
- IP65 polycarbonate refractor lens deliver exceptional coverage and uniformity while protecting inside electronics
- Tunable CCT switch from warm white (3000k) to daylight (4000k) to cool white (5000k)

Electrical

- 120-277VAC or 277-347VAC
- Average rated life L70: 50,000H
- 2kV surge protection
- Operating Temperature: -22°F to 113°F
- Optional button photocell sensor control
- 4-way power selectable
- 1-10V dimmable

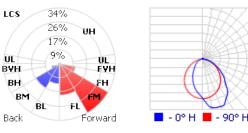
PRODUCT CODE

Example Aeroform cat. 120.20.345.T2.BR.FS

Model No	Voltage	Wattage (W)	CCT (°K)	Distribution	Finish	Options
Aeroform	120 - 120-277V	20 - 20W/2,800 lms	345 - CCT	T2 - Type 2	BR - Bronze	DM - Daylight
	347 - 277-347V	40 - 40W/5,600 lms	Changeable 3000/4000/5000		BK - Black	photocell control
		60 - 60W/8,400 lms	3 - 3000			FS - Field
		80 - 80W/11,200 lms				selectable power switch
		100 - 100W/14.000 lms	4 - 4000			0 - None
		120 - 120W/16,800 lms	5 - 5000			



PHOTOMETRICS



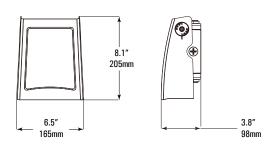
AEROFORM

LED Adjustable Wallpack

DIMENSIONS

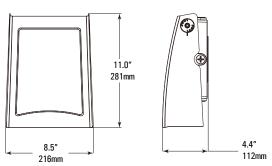
20/40W

Weight (May vary with accessories) 3.1lbs (1.40kg)



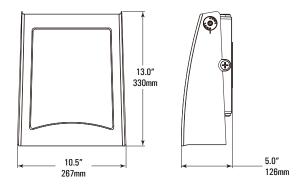
60/80W

Weight: 5.1lbs (2.30kg)



100/120W

Weight: 7.1lbs (3.20kg)





Applications: Building perimeters, residential courtyards, exterior security, building facades, pathway and perimeter lighting

PERFORMANCE SUMMARY

Whether you are trying to meet specification, code, or seeking a building mount solution with the right options, the Slate LED was designed to provide elegant wall-mounted lighting solutions for building perimeter applications

With clean square lines, it blends seamlessly into any architecture, meeting the everyday lighting needs of engineers and architects alike. The Slate comes in both in up or down distributions and 600 to 4,000 lumens packages

Construction

- Durable extruded heavy duty die cast aluminium housing
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling

Optical

- Available in T3 symmetric or T4 asymmetric distribution options for facade or area illumination applications
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900 (down only model)
- Tempered glass lens
- Long life aluminium LED COB with added corrision resistance for enhancing protection against moisture and contaminants
- Delivered lighting output up to 4,000 median lumens
- Easy installation with threaded conduit holes on back of fixture

Electrical

- Long life drivers up to L70/80,000 hours at 77°F
- Class 2 high efficiency LED driver, with a optional 1-10V dimming
- Wide range input voltage AC100-277V 0-10V dimmable

Specification

Volts: AC100-240V MacAdam Step: SDCM < 5 Average Rated Life: 60,000hrs Dimming: 0-10V CRI: > RA80 Environment Location: IP65 Ambient Temp: -4°F to 122°F

PRODUCT CODE

Example Slate cat. 1.C06.1.T3.27.B.M

Model No	Beam Angle	Wattage (W)	Distribution	CCT (°K)	Housing Color	Accessories
Slate	1 - Up or Down	C06.1 - 6W x1/600lm x1 C20.1 - 20W x1/2000lm x1	T3 - Type 3 T4 - Type 4	27 - 2700 30 - 3000	B - Black RAL9011	EM - 8W/90min Emergency
	2 - Up and Down	C06.2 - 6W x2/600lm x2	та турса	40 - 4000	W - White RAL9016	M - Marine resistance
		C20.2 - 20W x2/2000lm x2		60 - 6000	G - Gray RAL7012	DIM - 0-10V dimming
					M - Mineral Bronze	0 - None
					S - Silver RAL9006	



PHOTOMETRICS Type 3 (T3)



Type 4 (T4)

LCS

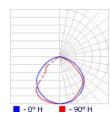
III

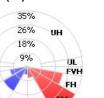
BYH

BH

Back

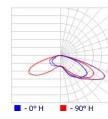
BM



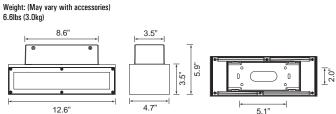


FI.

Forward



DIMENSIONS





Applications: Building perimeters, residential courtyards, exterior security, building facades, pathway and perimeter lighting

PERFORMANCE SUMMARY

The GPack Series was designed to provide optimal wall-mounted solutions for both entryway and building perimeter lighting. Using type III asymmetric distributions and a range of outputs these luminaires provide visually comfortable lighting at all mounting heights

With clean lines, the GPack blends seamlessly into any architecture, meeting the everyday lighting needs of engineers and architects alike.

Features

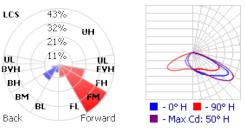
- Standard photo cell for dusk to dawn operation
- Durable die cast aluminium construction
- Premium Nichia LED COB
- . Quick fit installation using a high strength rotatable shaft and 4 screws
- . Low profile lighweight streamlined architectural design
- Exceptional operating efficiency of 125lm/W
- Type III bat wing optics suitable for building perimeters and entryways
- Fully gasketed polycarbonate lens provides and even light distribution and protects electronics
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900

Specification

Volts: AC100-277V Surge Protection: 1kV line-line, 2kV line earth Average Rated Life: 50,000hrs **Environment Location: IP66** Ambient temp: -22°F to 113°F PF: > 0.9

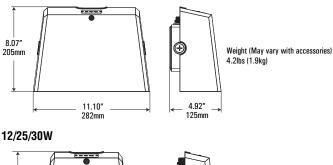


PHOTOMETRICS



DIMENSIONS

40/70W



7.32″ Weiaht 186mm 7.72″ 196mn



PRODUCT CODE

Example GPack cat. 12DBT34DS

Model No	Wattage (W)	Color	Distribution	Color Temperature (°K)	Options
GPack	12 - 12W/1,500 lms	DB - Dark Bronze	ТЗ - Туре З	4 - 4000	MD - Motion
	25 - 25W/3,125 lms			5 - 5000	Sensor
	30 - 30W/3,750 lms				EM - Emergency Backup
	40 - 40W/5,000 lms				PC - Daylight
	70 - 70W/8,750 lms				Photocell
					0 - None



Applications: Commercial buildings, apartments, schools, hotels, public areas, schools, hospitals

PERFORMANCE SUMMARY

Capable of delivering up to 15,600 lumens, the Eagle XL Series is high-output, wall-mounted luminaire that is powerful but precise, producing sites that make a distinct impression with dramatic results.

The luminaire is designed for mounting heights of up to 30 feet and provides enhanced flexibility for luminaire control and area-specific light levels

Features

- Exceptional operating efficiency of 130lm/W
- Dark sky friendly with minimal uplight of less than 5% total lumen output illuminating above 900
- On board field selectable, 4 way power control
- High impact die cast aluminum body with UV resistant finish
- Philips LumiLED PCB available in IES type 2/3 optics
- IP65 polycarbonate refractor lens deliver exceptional coverage and unifromity while protecting inside electronics
- Equipped with integral microwave sensors and daylight control for optimal energy savings
- 4W/1.5hr emergency battery backup option rated up to -22°F
- Tunable CCT switch from warm white (3000k) to daylight (4000k) to cool white (5000k)
- DLC Premium 5.0 qualified product

Specification

Volts: AC120-277V Average Rated Life: 50,000hrs CRI: RA70 Weight: 4-9.9lb Environment Location: IP65 Operating Temp: -22°F to 113°F Surge: 2kV line neutral Dimming: 0-10V

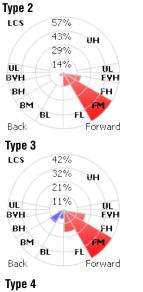
PRODUCT CODE

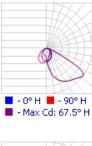
Example Eagle XL cat. 40.5.T3.BR.DM.EM

Model No	Wattage (W)	CCT (°K)	Distribution	Finish	Control	Accessories
Eagle XL	30 - 30W/3,900 lms 40 - 40W/5,200 lms 50 - 50W/6,500 lms 60 - 60W/7,800 lms 80 - 80W/10,400 lms 100 - 100W/13,000 lms 120 - 120W/15.600 lms	345 - CCT Changeable 3000/4000/5000 3 - 4000 4 - 5000 5 - 5000	T2 - Type 2 T2W - Type 2 Extra Wide T3 - Type 3 T4 - Type 4	BR - Bronze BK - Black	DM - Daylight photocell control 0 - None	EM - 4W/1.5hr emergency battery backup FS - Field selectable power switch 0 - None



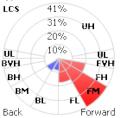
PHOTOMETRICS

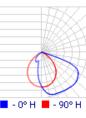




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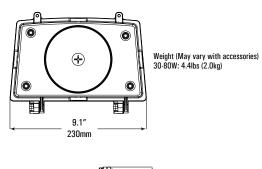
- Max Cd: 40° H

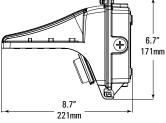




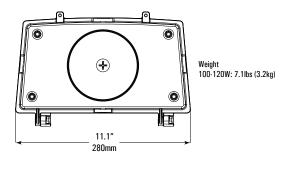
EAGLE XL Full Cutoff Wallpack

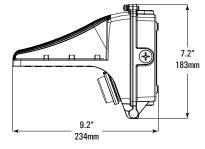
DIMENSIONS 30-80W





100/120W







Applications: Industrial, warehouse, factories, outdoor areas, petrol stations, retail & grocery

PERFORMANCE SUMMARY

Featuring a wide body and downward deep lens profile the Sunled Alpha Series ensures maximum ground coverage whilst virtually eliminating glare

With full cut-off distribution and heavy duty design the Alpha is suitable for all commercial and industrial building exterior applications.

Construction

- Heavy duty die cast aluminium housing with high impact tempered glass lens
- Finished in proprietory powdercoat process withstanding extreme weather changes without cracking or peeling
- Motion sensors, PE cell control and 0-10V dimming available

Optics

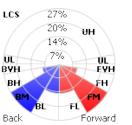
- Samsung LEDs with high luminous efficacy ensuring exceptional uniformity and long lamp life
- Wide body and deep lens profile deliver maximum ground coverage whilst virtually eliminating any glare
- Motion sensors, PE cell control and 0-10V dimming available
- 120° distribution

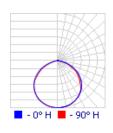
Specification

Volts: AC120-277V PF: >0.95 Average Rated Life: 60,000hrs CRI: RA80 Environment Location: IP65 Ambient temp: -20°C to 45°C



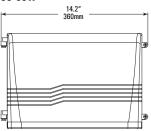
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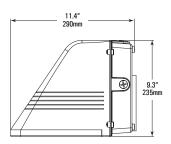




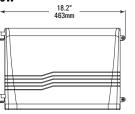
DIMENSIONS

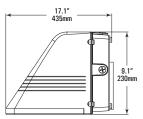
30-60W











PRODUCT CODE

Example Alpha cat. 30.3.12.BL.IMS

Model No	Wattage (W)	CCT (°K)	Distribution	Finish	Control
Alpha	30 - 30W/3,450 lms	3 - 3000	12 - 120°	BL - Black	IMS - Motion Sensor
	60 - 60W/6,900 lms	4 - 4000		BR - Bronze	DIM - Dimmable
	90 - 90W/10,620 lms	5 - 5000			EM - Emergency
		6 - 6000			PE - Photocell
					0 - None



Applications: Commercial buildings, apartments, administrative, hotels, public areas, schools, hospitals

PERFORMANCE SUMMARY

The Sierra LED wall mount luminaire offers value through versatility, superior illumination and elegant architectural styling. It's unique patented low profile housing is designed to blend into any environment, suitable for pathways, building entrances, vehicle ramps, schools, stairways and loading docks

The Sierra positions itself for exceptional efficiencies and uniformity available in both full cutoff and refractive lens design. With expansive control capabilities it meets building codes with ease making it an excellent all round choice for all outdoor lighting applications

Construction

- Elegant architectural styling and seamless lines enhances form and function in any outdoor setting
- High impact die cast polyester aluminum body with UV resistant finish
- External back fin design extracts heat from the surface to thermally optimize design for longer luminaire life
- Multi stage polyester powder coat paint, 2.5 mil nominal thickness
- Easy installation with threaded conduit holes on sides and back of fixture

Optics

- Acrylic refractive or full cutoff lens options
- Type IV general distribution delivers exceptional side and front coverage with minimal backlight
- Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)

Electrical

- Wide range input voltage AC120-277/347-347V (0-10V/10% Dimmable)
- Optional photocell sensor and emergency battery backup
- 50 / 75 / 100% fully adjustable power selection switch

Specification

Volts: AC100-277/277-347V Average Rated Life: 50,000hrs THD: <20% PF: >0.9 **Environment Location: IP65** Ambient temp: -4°F to 122°F SDCM: <6 UGR: <22 **CRI: RA80**

PRODUCT CODE

Example Sierra 100 cat. F.3.20.BR.BC.0

Model No	Lens ¹	CCT (°K)	Wattage (W)	Color	Control	Emergency ²
Sierra 100	F - Full Cutoff	3 - 3000	20 - 20W/2,600 lms	BR - Bronze	MS - Motion	BB - Battery Backup
100-277V	S - Semi Cutoff	4 - 4000	30 - 30W/3,900 lms	WH - White	Sensor	8W/90min
Sierra 347 277-347V		5 - 5000 40 -	40 - 40W/5,200 lms	BL - Black	BC - Button Photocell	0 - None
			50 - 50W/7,000 lms		0 - None	
NOTES:- ¹ Semi cutoff available in 30-70W		70 - 70W/9,800 lms		0 10010		
	allable in 30-70W ency available for 50-100W		100 - 100W/13,000 lms			

PHOTOMETRICS Full Cutoff 43% 32% UH 22% 11% FH BM BL Forward



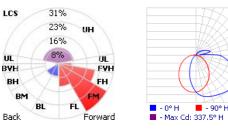
LCS

III

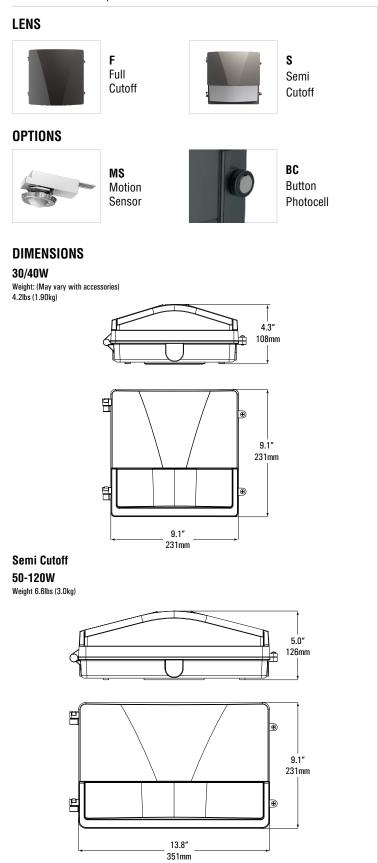
BVH

BH

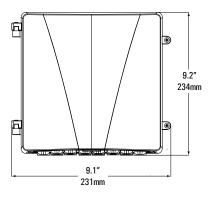
Back

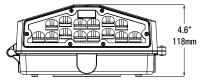


SIERRA Full/Semi Cutoff Wallpack

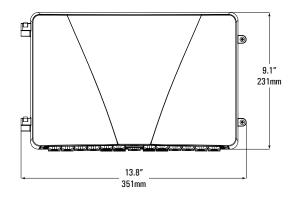


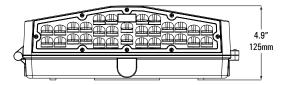
Full Cutoff 20-40W Weight 4.4lbs (2.0kg)





Full Cutoff 50-100W Weight 5.7lbs (2.6kg)





Semi Cutoff

Partially shielded from the front, light spill is controlled but not dark sky compliant. Similar in profile to forward throw wall packs, this line is for illuminating larger areas, available in higher wattages with medium beam control

14

16



Applications: Walkways, building entrances, industrial, multiuse facilities, perimeter and parking areas, schools and institutions, storage facilities, loading docks

PERFORMANCE SUMMARY

The Razorlite wall luminaire is ideal for wall/surface, post/bollard or low level pathway illumination including stairs.

The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Razorlite resistant to contaminants.

The Razorlite LED wall pack series of luminaries provides an architectural style with super bright, energy efficient LEDs.

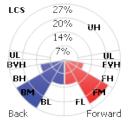
Features

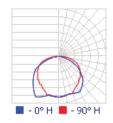
- Slim low profile LED design, heavy duty construction
- Built in mounting level
- High impact polyester housing and polycarbonate diffuser with IP65 weather protection rating
- Wall, surface, post, bollard or low-level mounting
- Easy installation using a galvanised wall plate mounting directly to a junction box or 1/2" bottom entry conduit
- One piece aluminium backbox with hinged removable door
 Weather acaded LED chamber provides 2600 to 12,000
- Weather sealed LED chamber provides 3600 to 12,000 lumens at neutral 4000°K
- 30-100W refractive lens

Specification

Volts: AC100-277V Average Rated Life: 50,000hrs CRI: RA80 Beam Angle: 120° Weight: 4.2-10.6kgs Environment Location: IP65 Ambient Temp: -4°F to 122°F

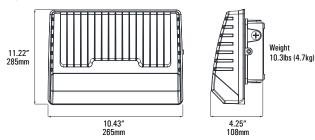
PHOTOMETRICS



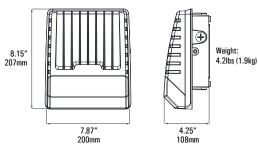


DIMENSIONS





70/80/100W



PRODUCT CODE

Example Razorlite cat. 30.30.BR.12.0

Model No	Wattage	Color Temperature (°K)	Finish	Distribution	Options
Razorlite	30 - 30W/3,600lms	30 - 3000	BR - Bronze	12- 120°	0 - None
	50 - 50W/6,000lms	40 - 4000	BL - Black		DIM - 0-10V
	70 - 70W/8,400lms	50 - 5000			Dimmable
	80 - 80W/9,600lms	57 - 5700			PC - Photocell
	100 - 100W/12,000lms	01 0100			APC - Adjustable Photocell



Applications: Residential, commercial buildings, hotels, public areas, schools, hospitals

PERFORMANCE SUMMARY

The slim modern design of the Defender Series LED fits well in any residential and commercial building style, with even a built in photocell that automatically turns the light on at dusk and off at dawn.

It's compact and efficient consuming 80% less energy than a 100 MH wall pack.

Features

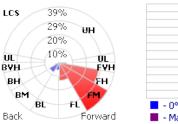
- Standard photo cell for dusk to dawn operation
- Exceptional operating efficiency of 110lm/W
- High impact polyester housing and polycarbonate diffuser with IP65 weather protection rating
- Fully gasketed polycarbonate lens provides and even light distribution and protects electronics
- Aesthetically designed profile compliments both residential and commercial settings
- Replaces up to 70W HPS or 100W MH
- High powered LEDs provide 2200 or 3300 lumens at neutral 4000°K

Specification

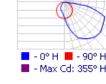
Volts: AC100-277V Average Rated Life: 50,000hrs CRI: RA80 Beam Angle: 120° Environment Location: IP65 Weight: 2.6lbs Ambient Temp: -20°C to 50°C Sensor Range: 4.5-14Fc



PHOTOMETRICS

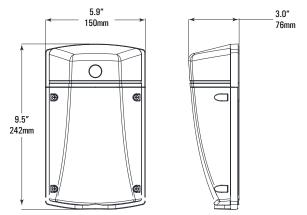






DIMENSIONS

Weight (May vary with accessories) 3.7lbs (1.67kg)



PRODUCT CODE

Example Defender cat. 20.3.B.12.PC

Model No	Wattage	CCT (°K)	Finish	Distribution	Options
Defender	20 - 20W/2,200Ims	3 - 3000	B - Bronze	12 -120°	0 - None
	30 - 30W/3,300lms	4 - 4000			PC - Photocell
		57 - 5700			

Forward Throw

Fully open lens from front and sides throws light in all directions with minimal spill control but being the most efficient in terms of delivered lumen efficacy. Also suitable for use in canopy applications





TURRET MOD/A Diffuse Architectural Wall Luminaire



Applications: Walkways, building perimeters, awnings, education and healthcare, corporate offices

PERFORMANCE SUMMARY

The Turret Series LED architectural wall luminaire combines simple lines with high impact rating for added vandal resistance, suitable for installation in public areas. Featuring a variety of diffuser options and colors, it is perfect for a wide range of building perimeter and walkway applications.

Features

- Heavy duty die cast aluminium housing with high impact IK10 polycarbonate lens, suitable for installation in public areas
- Available in 4 different front covers: plain, half, cross and grille
- Wide range of colours in black, gray and white
- Finished in proprietory powdercoat process withstanding extreme weather changes without cracking or peeling
- Emergency, microwave motion sensor and 0-10V dimming options
- High efficiency optics deliver precise optical control using PMMA/PC lens providing exceptional coverage and uniformity

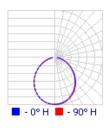
Specification

Volts: AC100-240V Average Rated Life: 50,000hrs CRI: RA80 Environment Location: IP65 Impact Rating: IK10 Ambient Temp: -4°F to 113°F Beam Angle: 120°



PHOTOMETRICS





DIMENSIONS

Large Body (28W)

Small Body (18W)



PRODUCT CODE

Example Turret cat. A18PL3BDIM

Model No	Mod	Wattage (W)	Cover	Color Temperature (K)	Finish	Control
Turret	А	18 - 18W/1,080 lms	PL - Plain	3 - 3000	B - Matt Black	DIM - Dimmable
	28 - 28W/2,160 lms HA - Half	HA - Half	4 - 4000	G - Gray	IMS - Integral	
		CR - Cross	CR - Cross	6 - 6000	W - White	Motion
			GR - Grille			EM - Battery
						0 - None



Applications: Walkways, building perimeters, awnings, education and healthcare, corporate offices

PERFORMANCE SUMMARY

The Turret Series LED architectural wall luminaire combines simple lines with high impact rating for added vandal resistance, suitable for installation in public areas. Featuring a variety of diffuser options and colors, it is perfect for a wide range of building perimeter and walkway applications.

Features

- Heavy duty die cast aluminium housing with high impact IK10 polycarbonate lens, suitable for installation in public areas
- Featuring a side wall wash diffuser option
- Wide range of colours in black, gray and white
- Finished in proprietory powdercoat process withstanding extreme weather changes without cracking or peeling
- Emergency, microwave motion sensor and 0-10V dimming options
- Ultra high efficiency optics deliver precise optical control using PMMA/PC lens providing exceptional coverage and uniformity

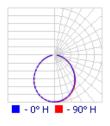
Specification

Volts: AC100-240V Average Rated Life: 50,000hrs CRI: RA80 Environment Location: IP65 Impact Rating: IK10 Ambient Temp: -4°F to 113°F Beam Angle: 120°



PHOTOMETRICS

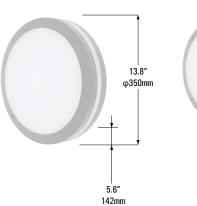




DIMENSIONS

Large Body

Small Body





PRODUCT CODE

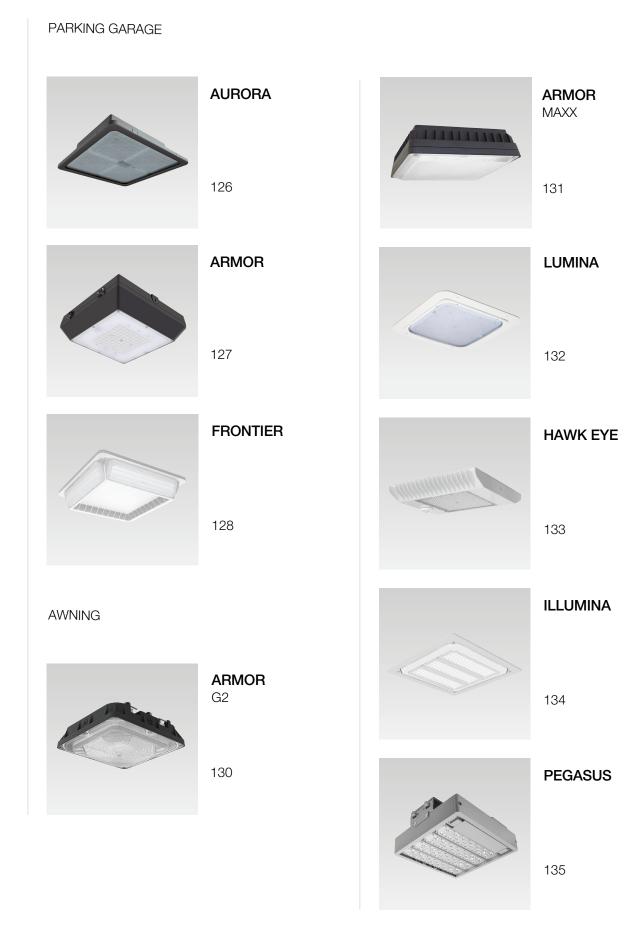
Example Turret cat. B183B0

Model No	Mod	Wattage (W)	Color Temperature (K)	Finish	Control
Turret	В	18 - 18W/1,080 lms	3 - 3000	B - Matt Black	DIM - Dimmable
		28 - 28W/2,160 lms	4 - 4000	G - Gray	IMS - Integral
			6 - 6000	W - White	Motion
					EM - Battery
					0 - None



5 Canopy

CANOPY



Parking Garages

1

F

Due to the long operating hours of parking garages LED performance needs to be optimal in terms of lumen depreciation, maintenance and operating efficiency.

Sunled's range of parking garage luminaires take into effect these considerations, providing fit-for-purpose solutions that are built ground up for reliability



Applications: Parking garages, parking lots, general canopies, stairwells and corridors

PERFORMANCE SUMMARY

The refined design of the Sunled's all new Aurora LED canopy fixture is a sleek and clean solution for effectively and efficiency illuminating parking garages and general canopy structures. Installation is made easy with a hinged housing frame for quick mounting and cable entry

Housing a square precision moulded acrylic lens enables high performance distribution reducing fixture counts while achieving maximum uniformity, safety and security

Optical

- Utilizes a recessed CRI80 SDCM 5 light source design, shielding drivers and pedestrians from high glare for maximum visual comfort
- Molded frosted acrylic lens with wide distribution tailored to parking garage applications
- Tunable CCT from 3000k to 4000k to 5000K
- 150lm/w operating efficiency

Construction

- Finished in bronze thermoset powder coat finish standard, providing superior resistance from corrosion and weathering
- Sleek and seamless lines with thin bezel design make it appealing for all low bay applications
- 3G vibration and IP65, rated, and rated for -22°F to 122°F operation
- Die-cast high purity aluminum body for maximum thermal management
- Pre-installed bracket enables ceiling, 3/4"NPT pendant, and 1/2"NPT direct conduit mount

Electrical

- Long life drivers up to L70/80,000 hours at 77°F
- **50** / 75 / 100% adjustable power select
- Wide range input voltage AC120-277 0-10V/10% dimmable
- 90min emergency battery backup option, cold weather available

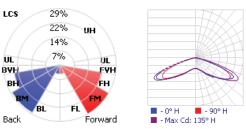
PRODUCT CODE

Example Aurora cat. 50.40.B.C.PC.EM1

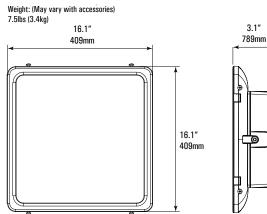
Model No	Wattage (W)	CCT (°K)	Finish	Accessories	Control	Emergency
Aurora	35 - 35W/5,250 lms 50 - 50W/7.500 lms	30 - 3000 40 - 4000	B - Bronze	C - Ceiling PD ¹ - Pendant	DIM - 0-10v Dimming	EM1 - 10W/90min Emergency
	70 - 70W/10,500 lms	50 - 5000		Bracket	PC - Photocell MS - Motion	EM2 - 18W/90min Emergency
	70S - 35/50/70W 5250/7500/10500lms	345 - CCT Selectable 3/35/4000K			Sensor 0 - None	EM3 - 30W/90min Emergency CWBB - 18W/90min
NOTES ¹ Pendant not ii	ncluded					-25°C Cold Weather Emergency 0 - None



PHOTOMETRICS



DIMENSIONS





Applications: Parking garage, industrial, warehouse, factories, outdoor areas, gas stations, transport and logistics

PERFORMANCE SUMMARY

With multiple control options, the Armor Parking Garage Series LED delivers uniform lighting with vertical illumination, full cutoff and low glare for maximum luminance for drivers and pedestrians.

In addition, the LEDs uniformity work well with security and surveillance security video cameras, eliminating dark sports. The Armor fixtures include a number of features to save energy, installation and maintenance costs

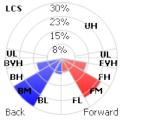
Features

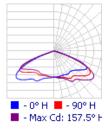
- 6-year limited warrranty
- High efficiency reflectors provide expectional ground uniformity with vertical illumination and full cut off
- Heavy duty die cast aluminium housing resistant to harsh conditions
- Optimised thermal design with separate driver and heat sink driver for increased longetivity
- Easy access to fixture driver for quick maintenance without opening light source
- Available with suspended and ceiling mount accessories
- Emergency battery backup option
- Integral motion/daylight 0-10v dimming control in accordance with ambient light levels

Specification

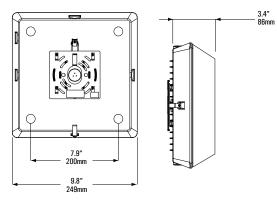
Volts: AC100-277V Average Rated Life: 80,000hrs CRI: RA73 Environment Location: IP65 Emergency Operation: 90min Ambient Temp: -31°F to 113°F PF: >0.9

PHOTOMETRICS





DIMENSIONS



PRODUCT CODE

Example Armor cat. 100.40.C.45.W.IMS

Model No	Voltage	Wattage (W)	Mounting	CCT (°K)	Color	Control
Armor	100 - 100-277V 347 - 347-480V	20 - 20W/2,700lms 30 - 30W/4,050lms 40 - 40W/5,400lms 55 - 55W/7,425lms 80 - 80W/10,800lms	C - Ceiling SS - Pendant Suspended	40 - 4000 45 - 4500 50 - 5000	W - White DB - Dark Bronze	IMS - Integral Motion Daylight Sensor PE - Photocell BB - Battery Backup D - Dimmable 0 - None



Applications: Parking garages, parking lots, general canopies

PERFORMANCE SUMMARY

Sunled's new Frontier parking garage fixture provides unparalleled low glare visual comfort and reduced lamp luminance by uniformity spreading the light beam using vertically placed optical lenses delivering a precise and efficient distribution

Its edge lit technology provides a balance photometric performance in two appealing low profile housing sizes making the Frontier Series luminaires the premier solution for parking garage and canopy applications

Optical

- Edge lit illumination technology maximizes spacing's while reducing shadows providing low-glare comfort and decreased LED source luminance
- 6% uplight with almost twice recommended IES illumination significantly reducing cave effect

Construction

- Impact resistant white polycarbonate acrylic lenses
- Rugged low-profile die-cast aluminum housing, and top plate.
- IP65 rated luminaire protects internal components from dust and water
- Four fasteners provided for use in single deck steel canopies.
- Finished in thermoset powder coat finish standard, providing superior resistance from corrosion and weathering

Electrical

- Input Voltage: 120-277V, 50/60Hz, Class 1 drivers
- Integrated motion or photoelectrical sensor 0-10V dimming option
- Long life drivers up to L70/129,000 hours at 25°C ambient
- 10kV (5kA) surge protection standard meeting minimum Category C low operation (per ANSI/IEEE C62.41.2)

Specification

Volts: AC120-277V Average Rated Life: L70 @ 129,000hrs CRI: RA75+ **Environment Location: IP65** Ambient Temp: -40°F to 104°F PF: >0.9 THD: <20% Dimmina: 0-10V

£



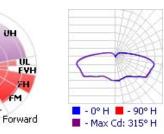
PHOTOMETRICS

16%

12%

8%

4%



DIMENSIONS

BL

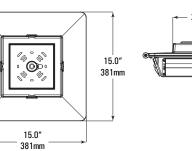


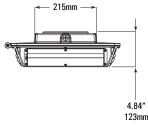
LCS

BYH

RM

Back



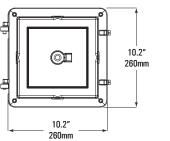


8.5'

214mm

8.5″

42W



4.8"

122mm

PRODUCT CODE

Frontier cat. 42.3.WM.BL.MS

Model No	Wattage	CCT (°K)	Mounting	Color	Control
Frontier	42 - 42W/5,434 lms	3 - 3000	WM - Wall Mount	BL - Black RAL9005	PE - Photocell
	85 - 85W/9,698 lms	4 - 4000 5 - 5000	PD - Pendant SM - Ceiling	BR - Bronze W - White	MS - Motion Sensor
					0 - None

Awning

Commercial and retail business often performs better when they are well illuminated. Poorly lit premises creates a negative perception and is unappealing to both customers and staff alike.

Sunled's extensive line of canopy and soffit under eave luminaires enable an easy approach to improving the appearance of such establishments during night time operating hours





Applications: Covered walkways, parking garages, drive thrus, entryways, hospitality, educational

PERFORMANCE SUMMARY

The Armour G2 Series of LED luminaires are cost-effective and versatile with a slim, low profile traditional design, the perfect solution for surface-mount applications

Delivering lumen packages from 1,830 to 9,760 coupled with a choice of canopy or parking garage distributions, its high impact polycarbonate lens produce a visually comfortable beam tailored to a large range of canopy settings. The Armor G2 is ideal for drive-thrus, covered sidewalks, hospitality entryways, and petroleum structures

Construction

- One piece gasketed cast aluminium body with IP65 weather rating
- UV stabilized vandal resistant polycarbonate lens .
- Slim low profile traditional design •
- Junction box or surface mounting option as standard with three conduit entry points
- Pendant capability with 3/4 NPT stem attachment by others
- Surface finished with polyester powder coat, withstanding harsh . conditions without cracking or peeling
- Small or large size 10 x 10 and 14 x 14 inches

Optical

- Multiple packages ranging from 1,830 9,760 nominal lumens
- Engineered optics provide uniformity for comfortable illumination
- Optional frosted acrylic lens with wide distribution tailored to parking garage applications

Electrical

- 100-277VAC 50/60Hz
- 122Im/W operating efficiency
- Wide range input voltage AC100-277V
- Selectable SKUs offer 4 wattages selections at 25% intervals
- PF: > 0.95 THD: <20%
- 0-10V dimmable (10-100%) standard
- Average rated life L70: >50,000H

PRODUCT CODE

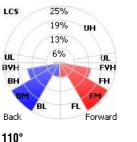
Example Armour G2 cat. 40.PG.40.C.MS

Model No	Wattage	Distribution	CCT (°K)	Finish	Mounting	Control
Armour G2	45 - Lumen Selectable	PG - Parking	30 - 3000	BR - Bronze	C - Ceiling	EM - Emergency
	1,830-5,490 lms / 15-45W	Optics 110 - 110°	40 - 4000	RAL8019 BK - Black	P - Pendant Bracket	PC - Photocell
	80 - Lumen Selectable 3,660-9,760 lms / 30-80W	110 - 110°	50 - 5000 57 - 5700	RAL9011 W - White RAL9010		MS - Internal Motion Sensor
						0 - None
				G - Gray RAL7004		



Specification				
Lumen Package	1,830 - 9,760			
Wattage Range	15 - 80			
Efficacy	122			
Weight lbs (kg)	6.2 (2.8)			

PHOTOMETRICS Garage Optic



26%

19%

13%

6%

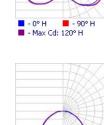
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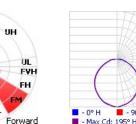
BYH

BH

Back



909





Applications: Transport, logistics, airports, large awnings, parking garage, industrial, warehouse and factories, gas stations

PERFORMANCE SUMMARY

The Armor Plus Series LED Canopy luminaire delivers up to 21,548 lumens with high output performance to effectively illuminate large areas without sacrificing uniformity

Available with various control options the Armor Plus Series is an economical solution for large area illumination

Features

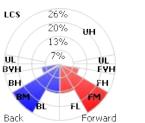
- Exceptional operating efficiency of 130lm/W
- Die cast thick gauge aluminium alloy construction
- Surface finished with a proprietary UV proof electrostatic coating, withstanding harsh condition without cracking or peeling
- Delivered lighting output from 2,637 to 21,548 median lumens
 Frosted or prismatic polycarbonate lens option
- Prosted or prismatic polycarbonate lens option
 Replace up to equivalent 1000W pulse start lamps
- Replace up to equivalent rootw pulse start lamps
 Salt spray treated for installation in seaside or high salt environments

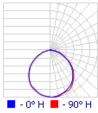
Specification

Volts: AC120-277V Impact Rating: IK08 Average Rated Life: 50,000hrs CRI: RA70 Environment Location: IP65 Ambient Temp: -4°F to 113°F PF: >0.9 THD: <20% Beam Angle: 90/110°

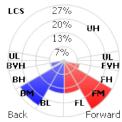


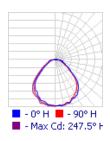
PHOTOMETRICS 110°—Frosted





90°—Prismatic





PRODUCT CODE

Example Armor Plus cat. 35.3.FR.B.SM

Model No	Wattage	CCT (°K)	Lens	Finish	Mounting
Armour Plus	20 - 20W/2,637 lms	3 - 3000	FR - 110° Frosted	B - Black RAL9005	PD - Pendant
	35 - 35W/4,361 lms	4 - 4000	PR - 90° Prismatic	BMR - Black RAL9005	SM - Ceiling
	45 - 45W/5,873 lms	5 - 5000		Marine Treated	
	60 - 60W/8,042Ims				
	90 - 90W/10,689 lms				
	180 - 180W/21,548 lms				



Applications: Parking garages, transport and logistics, gas stations and much more

PERFORMANCE SUMMARY

The Lumina Series LED Canopy Light offers outstanding value and features a range of energy efficient, easy to install, highly reliable fixtures backed by a 5 year limited warranty and industry leading product support.

With it's traditional design and slim profile, Lumina LED Canopy Lights are ideal for easily and discretly illuminating any canopy/soffit space while dramatically reducing energy consumption.

Construction

- 1-1/4" slim optical unit appearing flush on canopy
- Thin profile and white colour make it virtually invisible throughout the day assuring that attention is directed to the structure
- Die cast thick gauge aluminium alloy construction
- Surface finished with a proprietary powercoat, withstanding harsh industrial conditions without cracking or peeling
- High output polycarbonate lens providing uniform light output
- Anti yellowing anti UV and fire resistant finish and lens

Electrical

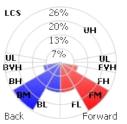
- 140lm/W operating efficiency
- Selectable SKUs offer 4 wattages selections at 25% intervals
- Delivered lighting output up to 23,000 median lumens
- 0-10V dimming option as standard
- 10kV built in surge protection

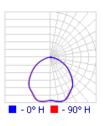
Specification

Volts: AC100-277/200-480V Beam Angle: 110° Average Rated Life: 50,000hrs Environment Location: IP65 Surge Protection: 10kV Ambient temp: -4°F to 131°F CRI: >RA70

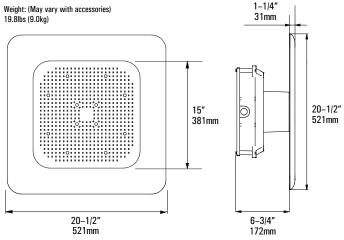


PHOTOMETRICS





DIMENSIONS



PRODUCT CODE

Example Lumina cat.100.150.60.C.DIM

Model No	Voltage (V)	Wattage (W)	Color Temp	Mounting	Options
Lumina	100 - 100-277V	100 - Lumen Selectable	30 - 3,000K	C - Ceiling	DIM - 0-10V
	480 - 200-480V	4,350-15,400 lms / 30-100W 150 - Lumen Selectable 11.200-23,200 lms / 80-150W	40 - 4,000K 50 - 5,000K	R - Rod	Dimmable EM - Emergency Backup
	11,200 20,200 1113 / 00 10	···,,	60 - 6,000K		0 - None

HAWK EYE Flush LED Canopy Light



Applications: Gas stations, transport and logistics, parking garages

PERFORMANCE SUMMARY

The Hawk Eye Series LED canopy light has a slim low profile design that can mount virtually on any canopy/soffit and is the perfect upgrade solution

The high performance LED can not only outperform existing LED and MH fittings but also comes with a range integral controls for a complete energy saving solution

Features

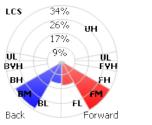
- Exceptional operating efficiency of 150lm/W
- High output Philips LumiLEDs COB
- Die cast thick gauge aluminium alloy construction
- Surface finished with a proprietary powercoat, withstanding harsh industrial conditions without cracking or peeling
- Anti yellowing UV and fire resistant finish and lens
- Integral microwave motion and 1-10V dimming options
- Selectable SKUs offer 4 wattages selections at 25% intervals
- 6kV built in surge protection

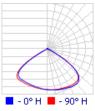
Specification

Volts: AC100-277VAC Average Rated Life: 50,000hrs Environment Location: IP65 Ambient temp: -4°F to 131°F Beam Angle: 110° CRI: >RA70 PF: >0.9 BUG: B4-U2-G2 Surge Protection: 6kV



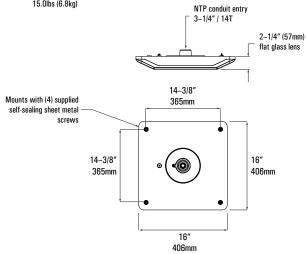
PHOTOMETRICS





DIMENSIONS

Weight (May vary with accessories) 15.0lbs (6.8kg)



PRODUCT CODE

Example Hawk Eye cat.100.150.60.C.DIM

Model No	Voltage (V)	Wattage (W)	Color Temp	Mounting	Options
Hawk Eye	100 - 100-277V	120 - Lumen Selectable	30 - 3,000K	C - Ceiling	DIM - 0-10V
	480 - 200-480V	9,000-18,000 lms / 60-120W 150 - Lumen Selectable 7,500-22,500 lms / 50-150W	40 - 4,000K 50 - 5,000K	R - Rod	Dimmable EM - Emergency Backup
	.,	.,,,,	60 - 6,000K		0 - None



Applications: Retail gas stations, petroleum, drive thru canopies, car dealerships, convenience stores, sofits, awnings

PERFORMANCE SUMMARY

The Illumina LED recessed canopy luminaire is designed for use in drop ceiling constructions with a heavy duty steel mounting frame to accommodate most ceiling materials and thicknesses

Designed from the ground up to deliver enhanced performance and visual comfort, the Illumina LED is optimized for both versatility and ease of installation underneath the canopy making it an excellent choice for new or retrofit constructions

Construction

- Designed for installation in both drop ceilings or open top canopies
- Thick gauge heavy duty recess frame with die-cast aluminum housing
- In ceiling IP65 rated enclosure with internal waterproof driver compartment to prevent water ingress
- Surface finished with a proprietary power coat, withstanding harsh industrial conditions without cracking or peeling
- Fully recessed slim low profile design
- Designed for enclosed sofit with 7" clearance recommended for ease of installation

Optics

- Glare reducing optics deliver visual comfort and uniformity
- . UV and fire resistant diffuser and finish
- Symmetric distribution with lens cover to minimize visibility of LEDs
- CRI: RA80

Electrical

- 100-277VAC 50/60Hz
- Performance driver featuring input surge, output over-voltage, short circuit and over temperature protection
- Average rated life L90: >60,000H
- PF: > 0.95 THD: <20%
- Operating Temperature: -40°F to 122°F
- 0-10V dimmable (10-100%) standard

PRODUCT CODE

Example Illumina cat. 80.SM.40.W.R.EPS

Model No	Lumen Package	Distribution	Colour Temp	Trim Finish	Installation	Emergency
Illumina	60 - 60W/8,400 lms	SM - Symmetric	30 - 3,000K	W - White	R - Recessed	EPS ¹ - Emergency
	80 - 80W/11,200 lms		40 - 4,000K	RAL9010	C - Ceiling	Power Supply 0 - None
	100 - 100W/14,000 lms		50 - 5,000K		P - Pendant Bracket	
	120 - 120W/16,800 lms		57 - 5,700K		(Exclude Pendant)	
	150 - 150W/21,000 lms					

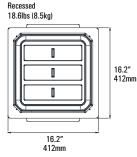
NOTES

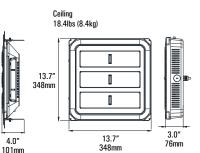
¹Emergency power supply available in 25W/3,500Im version



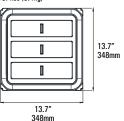
Specification				
Lumen Package 8,400 - 21,000				
Wattage Range	60 - 150			
Efficacy	140			
Weight Ibs (kg)	18.6 (8.5)			

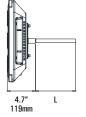
DIMENSIONS





Pendant 18.4lbs (8.4kg)







Applications: General highbay lighting, petroleum canopies, drive thrus, covered walkways, sofits, awnings

PERFORMANCE SUMMARY

The Sunled Pegasus surface canopy luminaire provides a slimline design solution, ideal for high bay general lighting, sofits, petroleum awnings or covered walkways. It's extensive optical selection of ten professional IES distributions reduces overall fixture count while maintaining required levels

Built with a heavy duty die cast aluminum frame, marine salt spray coating and an exceptional thermal management system ensures prolonged system life with minimal or no maintenance

Construction

- Slim profile with premium finish below canopy design
- Heavy duty die cast aluminum housing (IP67)
- Modular design allows for easy installation, replacement and maintenance.
- Centralised flow-through convection system, pulls heat off both the optics and driving housing
- IK08 rated lens and body

Optics

- CRI80 LED optics are constructed of durable optical polycarbonate that is impact and UV resistant.
- Additional metal plate provides added protection for the light engine and prolongs LED optics life.
- Over 10 IES distributions available

Finish

- Corrosion resistant 100µm thick high temperature polyester powder coat
- 1000-hour salt spray certification as per ASTM B117/ ISO 9227:2012.
- Standard RAL colors Grey, Black, Bronze and White with any RAL customizations

PRODUCT CODE

Example Pegasus 120 cat. 4L.30.W.G3.MS/EPS



Specification					
Lumen Package	4,000 - 38,000				
Wattage Range	30 - 280				
Efficacy Range	130 - 135				
Weight Ibs (kg)	8.51 (3.86) - 27.73 (12.58)				

Electrical

- 120-277VAC or 347-480VAC
- Average rated life L70/L90: >200,000H/>60,000H
- Each PCB is fitted with 20kV/10kA Voltage Suppressors as per ANSI/IEEE C62.41.2-2002 TVS to protect the LEDs from surges and other transient events
- Premium LEDs, driver and components with MOLEX and WAGO connectors
- PF: > 0.95 THD: <20%
- Operating Temperature: -40°F to 131°F
- 1-10V dimming

Model No	Lumen Package	Distribution	CCT (°K)	Finish	Accessories	Control
Pegasus 120 120-277V Pegasus 480 347-480V	4L - 4,000 lms 8L - 8,000 lms 12L - 12,000 lms 15L - 15,000 lms 19L - 19,000 lms 23L - 23,000 lms 27L - 27,000 lms 30L - 30,000 lms 34L - 34,000 lms 38L - 38,000 lms xxL - Custom	T2M - Type 2 Medium T3M - Type 3 Medium T4M - Type 4 Medium T5-10° - Type 5 / 10° T5-25° - Type 5 / 25° T5-40° - Type 5 / 40° T5-60° - Type 5 / 60° T5-90° - Type 5 / 90° T5-120° - Type 5 / 120° T5-D - Type 5 / Diffuser	30 - 3000K 40 - 4000K 50 - 5000K 57 - 5700K	BR - Bronze RAL8019 BK - Black RAL9011 W - White RAL9010 G - Gray RAL7004	G3 - Pendant Rod SPD - 10kA/20kA Surge Protection BL - 5° Backlight Sheid AV - Anti Vandal Grille SS - Suspended Cable O - None	MS - Motion Sensor PE - Photocell DIM - 1-10v Dimming MP - Motion + Photocell EPS - Emergency Power Supply 0 - None

PEGASUS

LED Canopy Luminaire

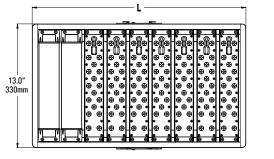
PERFORMANCE

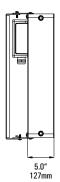
Lumen	System	Drive			Initial Deliv	vered Lumens ¹	Efficacy
Package	Watts	Current	LED Modules	LED Count	3000K	4000/5000K	LPW
4L	31	530mA	1	18	3,627	4,030	130
8L	61	530mA	2	36	7,247	8,052	132
12L	87	530mA	3	54	10,571	11,745	135
15L	110	530mA	4	72	13,365	14,850	135
19L	141	530mA	5	90	17,132	19,035	135
23L	172	530mA	6	108	20,898	23,220	135
27L	202	530mA	7	126	24,543	27,270	135
30L	228	530mA	8	144	27,702	30,780	135
34L	256	530mA	9	162	31,104	34,560	135
38L	283	530mA	10	180	34,385	38,205	135

1Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered

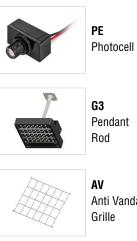
DIMENSIONS

LED Count	Dim. "L"	Weight
18	5.91" (150mm)	8.51 lbs. (3.86kg)
36	8.27" (210mm)	10.87 lbs. (4.93kg)
54	10.63" (270mm)	13.14 lbs. (5.96kg)
72	12.99" (330mm)	14.22 lbs. (6.45kg)
90	15.35" (390mm)	15.30 lbs. (6.94kg)
108	20.08" (510mm)	21.10 lbs. (9.57kg)
126	22.44" (570mm)	22.37 lbs. (10.15kg)
144	24.80" (630mm)	24.60 lbs. (11.16kg)
162	27.17" (690mm)	26.15 lbs. (11.86kg)
180	29.53" (750mm)	27.73 lbs. (12.58kg)



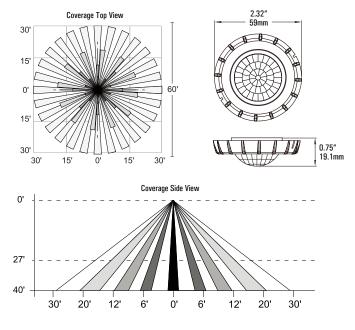


OPTIONS



AV Anti Vandal

COVERAGE DIAGRAM





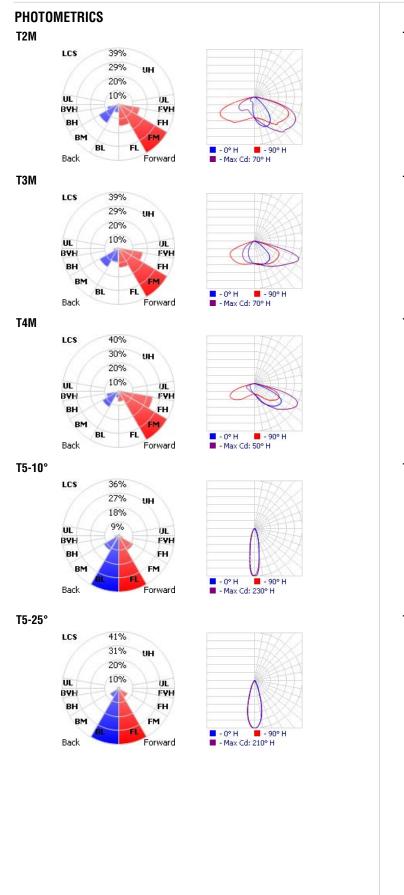


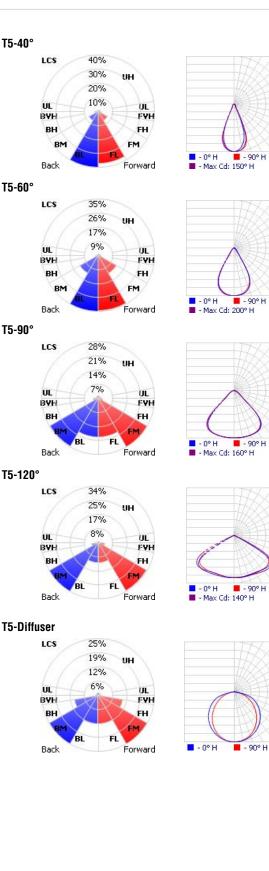


SS Suspended Cable

PEGASUS

LED Canopy Luminaire



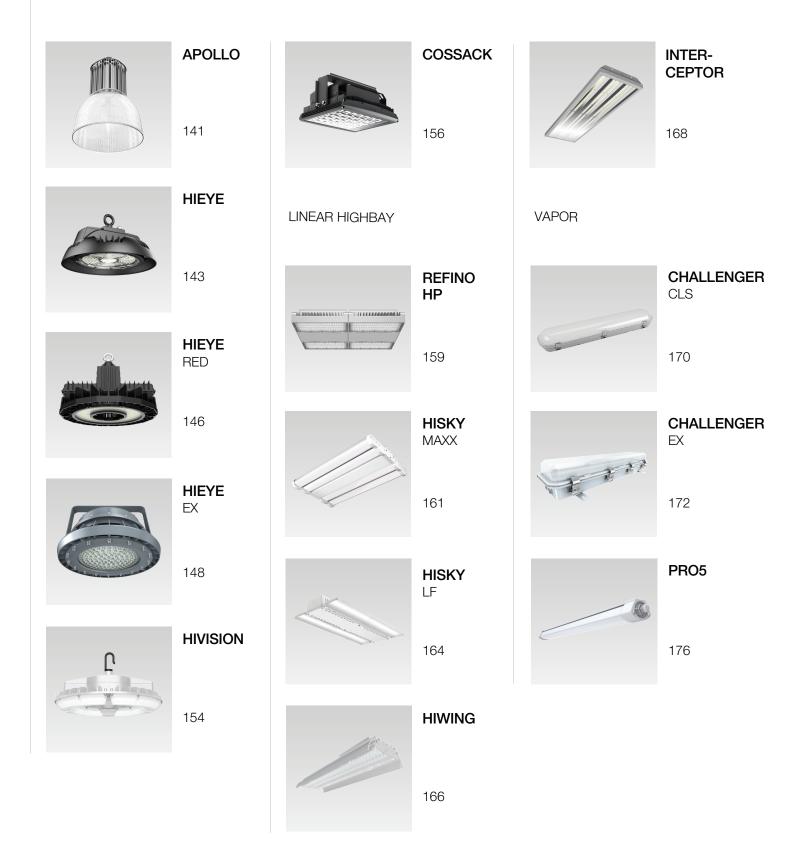




6 Industrial

6 INDUSTRIAL

ROUND HIGHBAY



Round Highbay

Bringing contemporary design and advanced illumination technology to large spaces, Sunled's interior high bay and low bay luminaires offer efficient and maintenance free lighting to commercial and industrial spaces

A AND WEDDALD MAN



Applications: Retail, showrooms, commerical, convenience stores, supermarkets, shopping malls, warehouses, restaurants

PERFORMANCE SUMMARY

Sunled's Apollo Series round LED High bay offers excellent ambient lighting with symmetrical lens options that deliver uniformity, glare control and visual comfort.

Its precision engineered modular heat sink design provides durability, optimal thermal control and longer system life; making the Apollo Series an attractive option for use in commercial, retail, and warehousing applications

Construction

- Centralised flow-through convection system, pulls heat off both the optics and driving housing
- Compressed fin technology minimises heat resistance and improves dissipation effect for cool operation of vital electrical components
- Simple, uncluttered, elegant appearance

Optics

- Injection moulded polycarbonate lens offers smooth illumination and versatility for use in retail and commercial applications
- Nichia LED COB
- Symmetrical distribution provides uniform light both to vertical or horizontal surfaces
- 100,000hrs long LED life span

Electrical

- Meanwell driver features over-voltage and over-current control with short circuit protection and auto recovery
- DLC Premium 5.1 gualified product for maximum rebates
- 0-10v dimmable

Specification

Volts: AC100-277V Rated Life: L90/70.000hrs at 104°F Environment Location: Wet Area Impact Rating: IK08 Operating Temp: -22°F to 113°F THD: <18% PF: >0.9 CRI: >RA73

PRODUCT CODE

Example Apollo cat. 10045AL90HDIM

Model No	Wattage (W)	CCT (°K)	Reflector	Distribution	Mounting	Control
Apollo	100 - 100W/11,000lms	4 - 4000	AC - Acrylic	90 - 90°	H - Hook	DIM - 0-10v
	150 - 150W/16,500lms	45 - 4500	AL - Aluminium	120 - 120°		Dimmable
	200 - 200W/22,000lms	50 - 5000	0 - None			EM - Emergency Backup
						0 - None



PHOTOMETRICS 90° Acrylic

120° Aluminium

LCS

UL

BYH

B⊦

Back

24%

18%

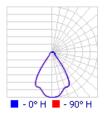
12%

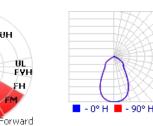
6%

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REFLECTOR OPTIONS



AC Acrylic Reflector



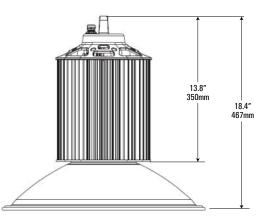
AL Aluminium Reflector

APOLLO

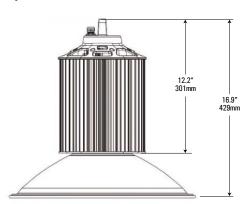
Round LED Highbay

DIMENSIONS 200W

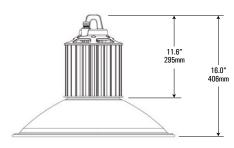
Weight: (May vary with accessories) 14.4lbs (6.5kg)



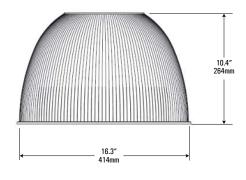




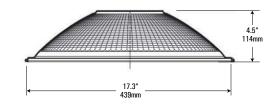




REFLECTOR Acrylic (AC)



Aluminium (AL)





Applications: Industrial and warehouse, factories, retail and grocery, shopping mall, supermarkets, exhibition centers

PERFORMANCE SUMMARY

The HiEye Series LED High Bay luminaire delivers up to 41,400 lumens with illumination performance to allow for replacement of 400W metal halide high-bay lighting and multi-lamp fluorescent high-bay fixtures.

The HiEye Series obsoletes the need to continue using energy-wasting and high maintenance fluorescent and HID high-bay fixtures.

Features

- On board field selectable, 4 way power control
- Exceptional operating efficiency of 138lm/W
- High output Philips LumiLED 2835 COB
- 4kV built in surge protection
- Die cast thick gauge aluminium alloy construction
- Surface finished with a proprietary electrostatic coating, withstanding harsh industrial conditions without cracking or peeling
- Available with both acrylic and aluminum reflector, for an array of commercial and industrial applications
- Delivered lighting output from 4,140 to 41,000 median lumens
- Integral screw on motion sensor option
- DLC Premium 5.0 qualified product

Specification

Volts: AC100-277/277-480V Average Rated Life: 70,000hrs Dimming: 0-10V Environment Location: IP65 PF: > 0.9 THD: < 20% CRI: RA80 Ambient temp: -40°F to 122°F Surge: 4kV line neutral Impact Rating: IK10

PRODUCT CODE

Example HiEye 120 cat. 100.ACB.4.12.B.H.MD/EM

Model	Wattage	Accessories	CCT (°K)	Beam Angle	Finish	Mount	Control ¹
HiEye 120 100-277V	100 - 30/50/80/100W 4140/6900/11040/13800Ims	AL - Aluminium Reflector	4 - 4000 5 - 5000	12 - 120° 9 - 90°	B - Black W - White	H - Hook YK - Yoke	EM - Emergency Battery Backup, 2000lm/90min
HiEye 400 277-480V	150 - 50/80/100/150W 6900/11040/13800/20700lms	AC - Acrylic Reflector	345 ³ - CCT Selectable 3/4/5/5700			0 - 0-Ring	
							R(n)² - Remote Control
	200 - 80/100/150/200W	ACB - Acrylic Reflector/Bottom Cover					
	11040/13800/20700/27600lms						MD - Motion Sensor
	230 - 100/150/200/230W 13800/20700/27600/31740lms						
		WG - Wire Guard					0 - None
	300 - 150/200/230/300W 20700/27600/31740/41400Ims	0 - None					

NOTES

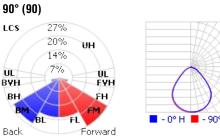
¹R can only be selected together with MD that can be used for programming (at least one per job site)

²Denotes 'n' quantity required

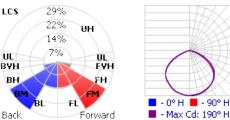
³CCT selectable available in 150/230W



PHOTOMETRICS



120° (120)



HIEYE

Round LED Highbay



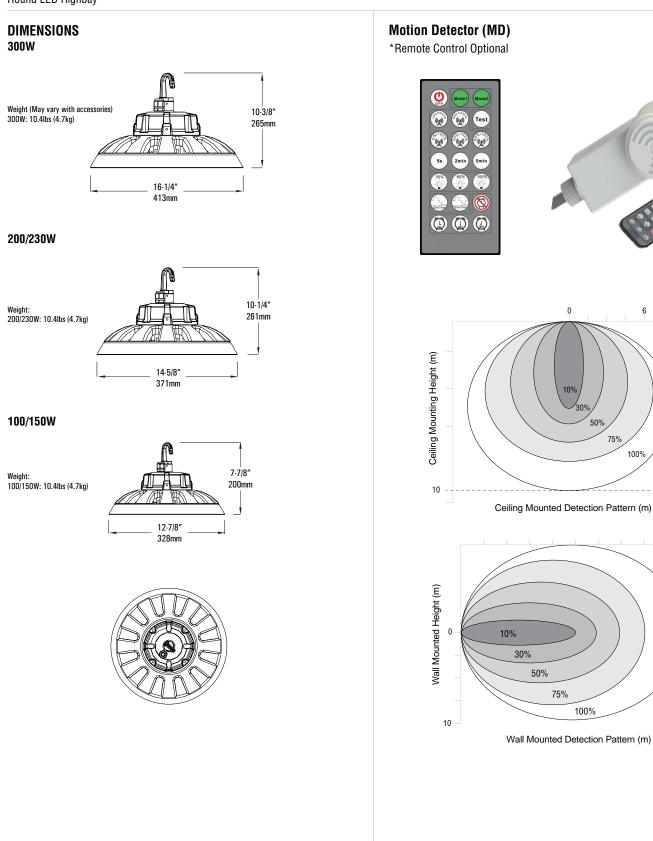






HIEYE

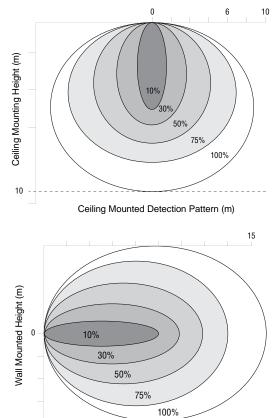














Applications: Manufacturing, foundries, natatoriums, gymnasium, automotive manufacturing, packaging and cold storage

PERFORMANCE SUMMARY

The HiEye Red Series efficient round high bay, is designed to operate safely and reliably in a wide variety of industrial applications where higher ambient performance is required — even in the worst operating conditions. Its heavy-duty diecast aluminum body provides durability, optimal thermal control, and longer system life.

It is an ideal high bay line for use in heavy industry, manufacturing, cold storage, large indoor and sports/recreation.

Construction

- Tempered glass lens provide high-impact strength and IP65-rated optics withstanding dust and dirt, resistant to hard chemicals and other degrading elements
- Aerodynamic driver housing promotes natural airflow to move heat away from vital electrical components
- Heat dissipating fins and a unique hollow center flow-through convection system, pull heat off both the optics and driving housing
- Pendant, hook and adjustable ceiling bracket mounting options
- Single point mounting configuration for fast installation and simplified replacement of fluorescent and HID fixtures

Optics

- Full brightness light levels at ambient temperatures as high as 149°F
- Exceptional operating efficiency of 160lm/W
- High output Nichia 3030 Series LED COB
- 4kV line-line, 6kV line-earth surge protection
- Delivered lighting output from 16,000 to 32,000 lumens provide one for one replacement of up to 1000W HID saving up to 50% in Energy
- DLC Premium 5.1 qualified product for maximum rebates

Specification

Volts: AC120-277/277-480V Rated Life Ta 25°C: 152,000hrs/L80 Dimming: 0-10V Environment Location: IP65 PF: > 0.92 CRI: RA80 Ambient temp: -22°F to 149°F Surge: 2kV line-line, 4kV line-earth

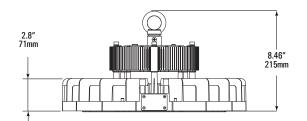
PRODUCT CODE

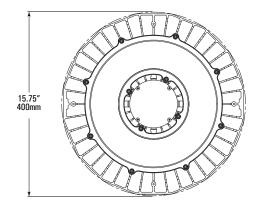
Example HiEye Red 120 cat. 100.4.12.ALU.PD.EM



DIMENSIONS

Weight (May vary with accessories) 19.6 ± 0.7 lbs (8.9 ± 0.3 kg)



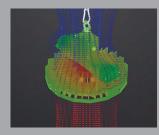


Model	Wattage	CCT (°K)	Beam Angle	Options	Mount	Control
HiEye Red 120 100-277V HiEye Red 400 277-480V	100 - 100W/16,000 lms 120 - 120W/19,200 lms 150 - 150W/24,000 lms	3 - 3000 4 - 4000 5 - 5000	12 - 120°	ALU - 90° Aluminium Reflector TP - Tempered Glass Lens	PD - Pendant YK - Yoke	EM - Emergency Battery Backup, 2000lm/90min 0 - None
	200 - 200W/32,000 lms			C - Chain 0 - None		

HiEye Red Series

for Heavy Industrial Spaces

BLACK 90° REFLECTOR (ALB) AND TEMPERED GLASS LENS OPTION (TP)



Ultimate Thermal Protection

- AERODYNAMIC DRIVER HOUSING promotes natural air flow to move heat away from vital electrical components.
- + ALUMINUM CONSTRUCTION provides extensive thermal-conductivity.
- **HEAT-DISSIPATING FINS & A UNIQUE FLOW-THROUGH CONVECTION** system pull heat off both the optics and the driver housing.

MOUNTING OPTIONS

Includes pendant, hook and adjustable ceiling bracket

PREMIUM COMPONENTS High

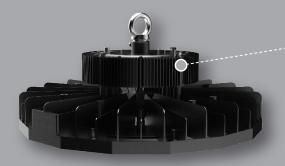
output Nichia 3030 Series LED COB operating at exceptional operating efficiency of 160lm/W for full brightness light levels at ambient temperature as high as 149°F (65°C)



ALUMINUM REFLECTOR

Options include silver (ALU) or elegant black (ALB) aluminum reflector for increased glare control and protection from airborne dust and contaminants



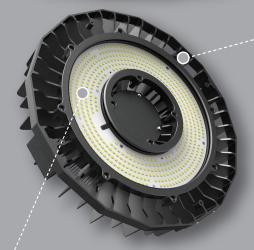


QUICK RELEASE DRIVER

HOUSING provides easy access to internal driver for maintenance and installation

TEMPERED GLASS LENS

The IP65-rated optics provide high impact strength to withstand dust and dirt, and are resistant to chemicals and other degrading elements, even in the worst operating



OVERSIZED HEAT SINK

exceeding 15.8" for entire breadth of the fixture, with a hollow center design and high conductivity aluminium body for accelerated heat dissipation, with only 179°F measured case temperature at 149°F (65°C) ambient

ADDITIONAL FEATURES:

Single-point mounting configuration means fast installation and simple replacement of HID fixtures. Its round design simplifies placement since there are no corners to line up when placed in a row.

conditions

Multiple lumen packages range from 16,000 to 32,000 in a single fixture, or mount two fixtures on a twin configuration bracket to achieve up to 64,000 lumens. See the Sunled specification sheet for additional information.







Note: For information on how to order this product, please refer to the specification sheet on www.sunledind.com



Applications: Petroleum refineries, chemical plants, foundaries, paint booths, oil rigs, power generation facilities

PERFORMANCE SUMMARY

Sunleds Series of HiEye Ex LED fixtures are suitable for Class I, Division 2 hazardous location areas available in two sizes ranging from 5,600 to 28,000 lumen packages for a wide range of indoor and outdoor applications

Versatile mounting options enable this family of fixtures to be used for ceiling, pendant, wall or pole mount installations and are ideal for general area lighting in petrochemical, heavy industrial, chemical or wastewater facilities where flammable or explosive vapors or gases are present.

Construction

- . Low profile and lightweight design is ideal for compact installations
- High temperature silicon gaskets
- Copper free die-cast aluminum housing optimizes heat dissipation
- Marine grade high temperature polyester powder coat withstanding harsh and hazardous environments
- . Wet location IP66 listed suitable in high pressure hose down areas
- Stainless steel adjustable mount yoke and accessories as standard
- Optional universal arm attachment that can be adapted to wall/stanchion mounting with a multitude of mounting angles including flood, pendant or staunchion installations
- 3G vibration isolation rated

Optics

- Available in 30°, 60°, 90°, 120° distributions
- Engineered lens provide superior beam to field ratios maximizes uniformity reducing total fixtures counts
- High impact heat resistant tempered glass lens built to maintain color and transparency over time
- Optical assembly secured by high tensile TOR-X T20 bolts from back of fixture
- 3000K to 6000K CCT options

Electrical

- 120-277VAC or 200-400VAC
- Average rated life L80 >60,000hrs
- Integrated junction box enables quick and easy wiring
- Surge protection to 10kV/5kA as per ANSI/IEEE C62.41.2-2002
- PF: > 0.95 THD: <20%
- Operating Temperature: -40°F to 131°F
- 1-10V dimming

UL844 Classification

UL1598/UL1598A Marine Marking Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III

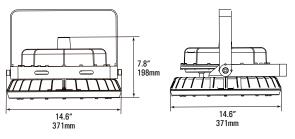


Specification					
Lumen Package 5,600 - 28,000					
Wattage Range	40 - 200				
Efficacy	140				
Weight lbs (kg) 9.7 (4.4) - 18.1 (8.2)					

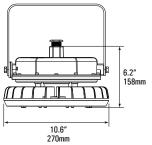
DIMENSIONS

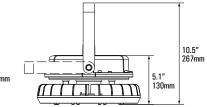
80-200W

Weight (May vary with accessories) 18.1lbs (8.2kg)



40-60W Weight: 9.7lbs (4.4kg)





HIEYE EX

Highbay Luminaire

PRODUCT CODE

Example HiEye Ex cat. 60.50.3.0.EYK.0

Model	Wattage	Color Temp	Beam Angle	Emergency	Accessories	Sensors ¹
HiEye Ex 100 100-277V HiEye Ex 480 200-480V	40 - 40W/5,600 lms 60 - 60W/8,400 lms 80 - 80W/11,200 lms 100 - 100W/14,000 lms 150 - 150W/21,000 lms 180 - 180W/25,200 lms 200 - 200W/28,000 lms	40 - 4,000K 50 - 5,000K 57 - 5,700K 60 - 6,000K	3 - 30° 6 - 60° 9 - 90° 12 - 120°	EPS - 3hrs Internal Emergency Power Supply 0 - None	EJB - Junction Box EBP - Bended Pipe E90A - 90° Arm Support E25A - 25° Arm Support ESP - Straight Pipe ED01 - Pendant Adaptor EH - Hook	PM - Photocell + Motion PP - Photocell MM - Motion 0 - None
NOTES					EYK ² - Yoke	

PHOTOMETRICS

LCS

UL

BYH

BH

Back

BM

30°

60°

90°

¹Class I/Division II remote sensor ²Ships standard with yoke bracket

ACCESSORIES



EJB Junction Box



E25A 25° Arm Support





EBP Bended Pipe

EYK Yoke

SENSORS



PM Photocell + Motion



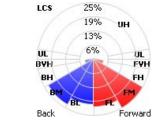
PP Photocell

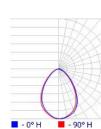
MM Motion



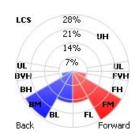
E90A 90° Arm Support

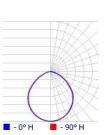
ESP Straight Pipe











UH UL FYH FH FM - 0° H Forward



31% 23%

15% 8%



📕 - 90° H

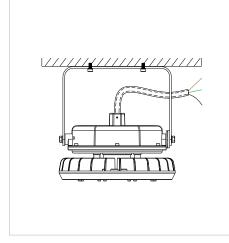


🗖 - 0° H

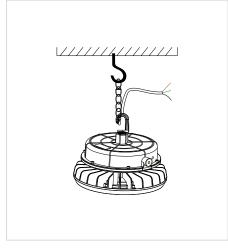
HIEYE EX

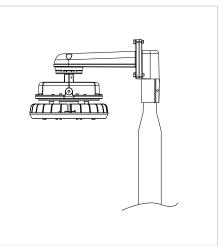
Highbay Luminaire

INSTALLATION



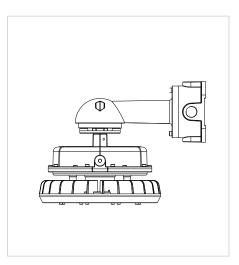
Ceiling — Yoke







Pendant — Straight Pipe



Pendant — Hook

Staunchion — 90° Arm

Wall — Yoke

Wall — 90° Arm with Junciton Box



Hazardous Lighting Product Portfolio

HiEye Ex Series

Gamma Ex variation of Sunled's Class I/Div 2 products is available with same accessories and options, built for both floodlighting and large area hazardous applications

Product Highlights

Wide Ranging Distributions

With 4 optical distributions available from 30° to 120° enabling greater application versatility and ease of design

More Lumen Packages

Ranging from 5,600 to 28,000 lumens for a multitude of indoor and outdoor applications providing superior field beam ratios to maximise uniformity and reduce total fixture counts

Flood or Highbay Housing

Available in either HiEye Ex for large area illumination or Gamma on floodlight applications maximising fixture output optimization

Toolbox of Mounting Options

A versatile range of mounting options, including ceiling, pendant, yoke, stanchion, 25-90° arm support or UL junction box further customizing the use of this line for petrochemical, heavy industrial, chemical or wasterwater facilities

Industry Leading Construction

Copper-free die cast aluminum housing and a marine grade high temperature polyester powder coat optimizes heat dissipation whilst withstanding harsh and hazardous environments

Listings:

UL1598/UL1598A Marine Marking Class I, Division 2, Groups A, B, C, D, Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III The whole of the optical assembly secured by high tensile TOR-X T20 bolts on front of lens and back frame of fixture



Multiple Mounting Options

90° arm with junction box, also available in 25°





Ships standard with 180° adjustable yoke attachment

Direct mount for surface, wall and pole applications

25° pole support also available in 90°

Fully sealed high impact tempered glass lens ideal for the harshest of industrial applications where dirt or dust may be present. Built to preserve colour and transperancy it will not brown or discolor maintaining light levels and appearance over time



UL Class 1/Div 2 direct or surface mount junction box with pendant adaptor



Applications: Sporting facilities, food and beverage processing, large indoor spaces, manufacturing plants, pharmaceutical production

PERFORMANCE SUMMARY

By combining the latest in LED technology with the visual comfort of polycarbonate prismatic lens, the HiVision Series high bay provides industry leading light quality and reliability.

Features like an IP69K sealed chamber design exceeding rigorous demands of processing plants or sports/workout facilities and related areas, provide nowhere for food, dirt or debris to enter

Optics

- Prismatic polycarbonate optics direct light where needed and reduces harsh glare making comfortable illumination
- Exceptional operating efficiency of 140lm/W
- High output Philips LumiLED 2835 COB
- Engineered refractive LED system ensures superior uniformity and maximises spacings
- Delivered lighting output from 14,000 to 28,000 median lumens

Construction

- Sealed optical chamber design meets the stringent IP66, IP67, IP69, and NSF Splash Zone 2 requirements
- Heavy duty die cast thick gauge IK10 rated aluminium alloy construction
- DLC qualified product for maximum rebates

Electrical

- 2kV line-line, 4kV line-earth embedded surge protection
- Integral PIR or microwave sensor option provide additional energy savings and accelerates return on investments

Specification

Volts: AC100-277/277-480V Average Rated Life: 100,000hrs/L80 Dimming: 0-10V Environment Location: IP66/IP69K PF: > 0.92 UGR: < 28 Operating Temp: -22°F to 122°F Surge: 2kV line-line, 4kV line-earth Impact Rating: IK10 CRI: RA80

PRODUCT CODE

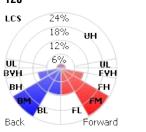
Example HiVision cat. 100412WPDMD

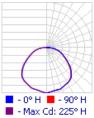






PHOTOMETRICS 120°





MOUNTING





CONTROL



MD Microwave Sensor

Sensor 0 - None

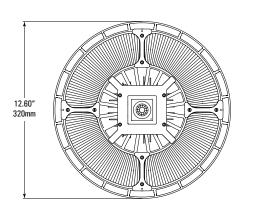
Model	Wattage	CCT (°K)	Beam Angle	Finish	Mount	Control
HiVision	100 - 100W/14,000 lms	4 - 4000	12 - 120°	W - White	PD - Pendant	EM - Emergency
	150 - 150W/21,000 lms	5 - 5000			YK - Yoke	Battery Backup, 2000lm/90min
	200 - 200W/28,000 lms				R - Rod	MD - Microwave Sensor
						PIR - Infrared

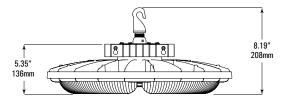
HIVISION Wet Location LED Highbay

DIMENSIONS

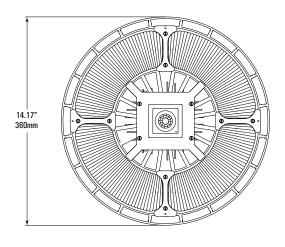
100/150W

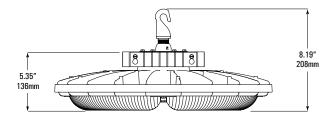
Weight (May vary with accessories) 100W: 6.8lbs (3.1kg) 150W: 7.1lbs (3.2kg)





200W Weight: 8.2lbs (3.7kg)







Applications: Retail and grocery, shopping mall, supermarkets, exhibition centers, industrial and warehouse

PERFORMANCE SUMMARY

Engineered to withstand medium-duty industrial environments, the Cossack is durable and powerful with an advanced optic package for uniform horizontal levels and excellent vertical distribution with reduced glare

Cossack is a fully sealed, wet location high bay in an architectural form factor designed for retail, large indoor spaces and gymnasiums as well as demanding environments such as manufacturing, service bays, under canopy, cold storage and food service.

Optical

- Mirrored aluminium reflector delivers improved efficiency for a smooth and glare fee uniform light output
- Utilizes patented anti glare cup for maximum visual comfort
- Cree LED COB
- Tempered glass lens

Construction

- Die-cast high purity aluminum body for maximum thermal management
- Surface finished with a proprietary sand blasting oxidation treatment, withstanding harsh industrial conditions without cracking or peeling
- Elegant low profile shape, suitable for numerous applications

Electrical

- Premium driver featuring over-voltage and over-current control with short circuit protection and auto recovery
- Up to L70/80,000 hours at 77°F
- 0-10V dimmable

Specification

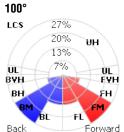
Volts: AC100-277V Average Rated Life: L70/80,000hrs CRI: RA70 Environment Location: IP65 Ambient Temp: -40°F to 122°F Beam Angle: 100° PF: > 0.95 THD: <15%

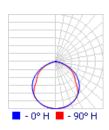
PRODUCT CODE

Example Cossack cat. 70.4.B.SS.DIM.0



PHOTOMETRICS









OPTIONS

TB Tunnel Bracket

RS

Rod

Suspended

Model No	Wattage (W)	CCT (°K)	Finish	Mounting	Control	Emergency
Cossack	70 - 70W/7,000Lm	3 - 3000	B - Black	S - Surface	DIM - 0-10V	EM1 ¹ - 25W/90min
	100 - 100W/10,000Lm	4 - 4000	W - White	Bracket	Dimmable	Emergency
	130 - 130W/13,000Lm	5 - 5000		SS - Rod Suspended	0 - None	EM2² - 40W/90min Emergency
	160 - 160W/16,000Lm	6 - 6000		TB - Tunnel		0 - None
NOTEO	200 - 200W/20,000Lm			Bracket		0 - 110118

NOTES

¹EM1 suitable for 70-130W ²EM2 suitable for 160W / 200W

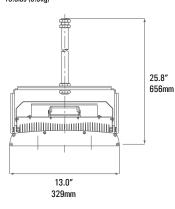
COSSACK

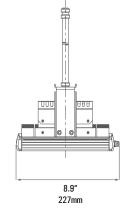
LED Highbay Pendant

DIMENSIONS

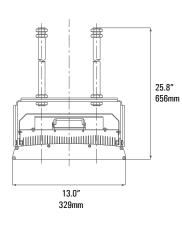
70W

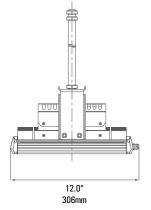
Weight (May vary with accessories) 13.0lbs (5.9kg)





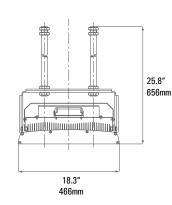
100W Weight: 17.6lbs (8.0kg)

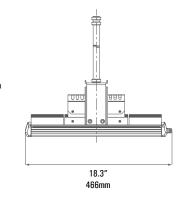




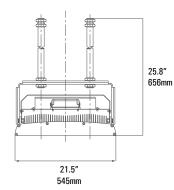
160W

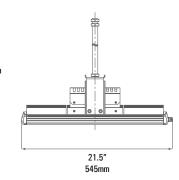
Weight: 27.1lbs (12.3kg)



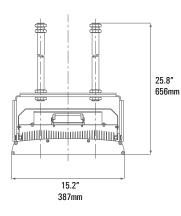


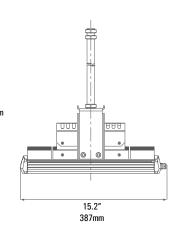
200W Weight: 31.8lbs (14.4kg)





130W Weight: 22.3lbs (10.1kg)





Linear Highbay

ft

(I)

CRANE

Offering ultra-high lumen packages covering mounting heights of 12-40ft, our linear high bays are made for spaces when higher outputs are required over a large expanse such as warehouses, gymnasiums, light manufacturing and exhibition halls SF-

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dian'i

-



Applications: Retail and grocery, shopping malls, supermarkets, exhibition centers, factories, industrial and warehouse

PERFORMANCE SUMMARY

The sleek and low profile Refino HP Series provides design flexibility for a multitude of applications, without sacrificing the power and robustness needed in industrial and high output commercial applications.

Visually comfortable PC lens option give the Refino a uniform, smooth and evenly illuminated coverage, providing a more architectural look, well suited for commercial and retail applications

Construction

- Refined architectural appearance and robust construction suitable for both commercial and industrial applications
- · Weathertight IP66 driver compartments and performance heat sinks
- Heavy duty die cast thick gauge IK10 rated aluminium alloy construction
- Separate optical and electrical compartments deliver improved thermal management and increased operational life.
- Ceiling and 60° swivel bracket or suspended installation
- Custom PC lens attachment for increased glare control

Optics

- High energy savings with 155Lm/W operating efficiency
- Equipped with integral motion sensors and photocell control
- Selection of 4 different distributions from 30x90° narrow beam aisle lighting to 60x120° wide beam for large area applications
- Ceiling and 60° swivel bracket or suspended installation
- On board field selectable power control
- 7 different lumen packages, ranging from 15,500 to 74,400lms

Specification

Volts: AC100-277V Body Color: Silver Gray Average Rated Life: 82,000hrs @ L80 Environment/Impact Rating: IP66/IK10 Surge: 6kV line-line, 10kV line earth Operating Temp: -22°F to 122°F CRI: RA80

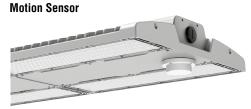
PRODUCT CODE

Example Refino HP cat. 100.3.60.SL.PE.EM

Model No	Wattage (W)	CCT (°K)	Distribution	Mounting	Control	Accessories
Refino HP	100 - 100W/15,500 lms	3 - 3000	60 - 60°	SL - Fixed Ceiling	PE - Photocell	EM - 8W/90min
	150 - 150W/23,500 lms 200 - 200W/31.000 lms	4 - 4000 5 - 5000	90 - 90° 39 - 30x90°	RP - 60° Adjustable Bracket SP - Suspension Mount	DIM - 0-10v Dimming	Emergency Backup PC - Glare Free
	240 - 240W/37,200 lms	0 - 0000	612 - 60x120°		ZB - Zigbee	PC Lens FS - Field Selectable
	300 - 300W/46,500 lms 400 - 400W/62.000 lms				DLI - Dali MW- Microwave	Power Control
	480 - 480W/74,400 lms				Sensor PIR - PIR Motion Sensor	15A/277V Industria Plug w 6ft cord



CONTROL



PIR Motion Sensor



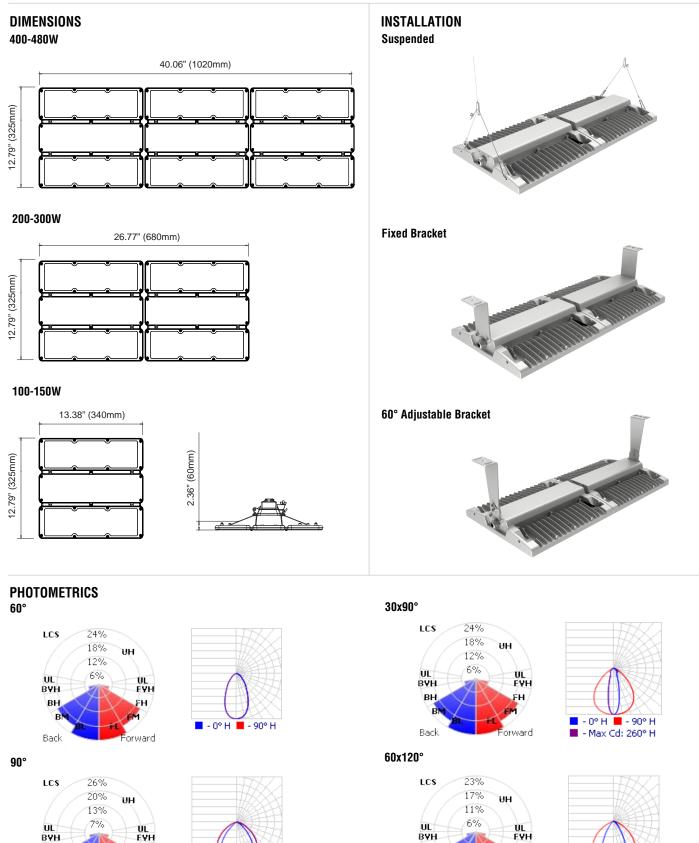


0 - None

www.sunledind.com 159

REFINO HP

High Output Linear Highbay



BYH BH

Back

£Η,

- 90° H

- 0° H

1.1

Forward

BH

Back

BL

£Η.

Forward

FL

- 0° H 📕 - 90° H

📕 - Max Cd: 70° H



Applications: Warehousing, manufacturing, gymnasiums, commercial facilities, convention centers and other large indoor spaces with mounting heights of up to 60'

PERFORMANCE SUMMARY

The HiSky Maxx LED Highbay luminaire is a versatile solution for lighting commercial and industrial applications such as manufacturing, sports complexes and food processing centers

The versatile HiSky Maxx LED highbay boasts a single base platform design with the ability to select performance, optics, and housing options, taking HiSky Maxx from basic applications to complex environments, including unconditioned spaces. The result is the maximum performance at the lowest possible cost

Optics

- 5 lumen packages, ranging from 14,000 to 42,000lms
- Full brightness light levels at ambient temperatures as high as 131°F (55°C)
- Exceptional operating efficiency of 130lm/W
- Available in 6 distributions including narrow beam, large area PC lens and Type III 145x80° for aisle lighting applications
- High output CREE 3030 LED COB
- Snap fit IP54 PC lens attachment for increased glare control and LED protection
- Enhanced operational life of L80/100,000hrs

Construction

- Utilizes a 90°C case temperature driver for maximum life, even at high temperatures
- Durable die cast aluminium alloy construction delivers improved thermal management and increased operational life
- V hooks suspended, surface bracket or 3/4" NPS for pendant mount
- Standard and narrow housing variants

Electrical

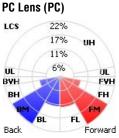
- Available in integral infrared motion/daylight sensor smart control
- 25W/90min emergency battery backup provides up to 3250lm
- Standard 0-10V dimming at range of 10 to 100%

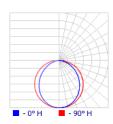
Specification

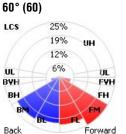
Volts: AC120-277V/347-480V Operating Temp: -4°F to 131°F Body Color: White Average Rated Life: L80/100,000hrs Dimming: 0-10V/10-100% PF: > 0.95 THD: < 20%

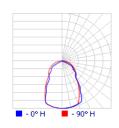


PHOTOMETRICS

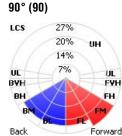


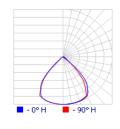






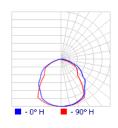












HISKY MAXX

Linear LED Highbay

PRODUCT CODE

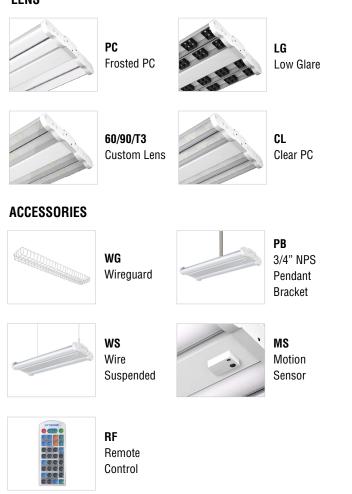
Example HiSky Maxx 120 cat. 100.40.60.PD.WG.EM

Model	Wattage	CCT (°K)	Lens	Mount	Accessories	Control
HiSky Maxx 120 120-277V	100 - 100W/14,000 lms	30 - 3000	60 - 60°	S - Surface	RF(n) ³ - Remote	E - Emergency Battery Backup
HiSky Maxx 347 347-480V	140 - 140W/19,600 lms 200 - 200W/28,000 lms		T3 - 145°x80° W	PD - Pendant WS - Wire	WG - Wireguard 0 - None	EM - Emergency + Motion Sensor
1000	240 - 240W/33,600 lms 300 - 300W/42.000 lms		PC - Frosted PC Lens	Suspended		BST ² - Bluetooth Smart Sensor
			LG - Low Glare Lens			MS ¹ - Motion Sensor
			CL - Clear PC Lens			0 - None

NOTES

¹RF can only be selected together with MS that can be used for programming (at least one per job site) ²BST includes smart sensor function that can be programmed with smart phone app ³Denotes 'n' quantity required





Smart Sensor (BST)



Features

- Occupancy sensor and daylight harvesting sensor
- Embedded Bluetooth communication module
- Supports 1-channel and 2-channel dimming
- . Low profile and can be inserted into any luminaries
- Operated by Light Remote LED APP
- Can match with various antennas in different luminaries.
- Working temperature: -30~80°C (-22~176°F)

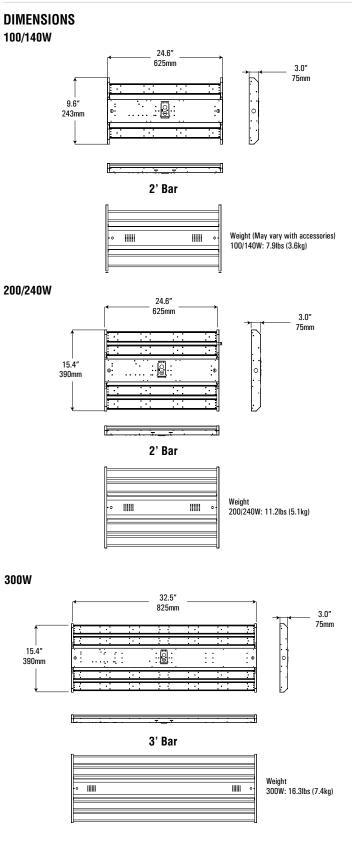


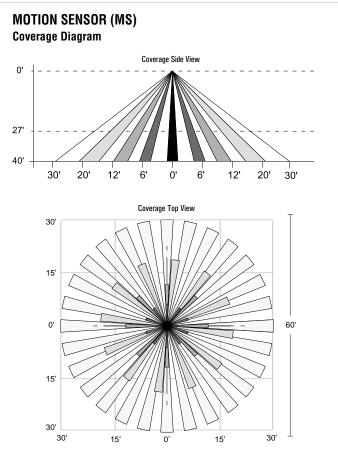
App Control

- Auto brightness
- Auto calibration
- High end trimGroup control
- Dimming
 - Bypass mode

HISKY MAXX

Linear LED Highbay







Applications: Athletics facilities, retail, manufacturing, warehouses, hangars civic

PERFORMANCE SUMMARY

Offering multiple packages from 12,200 to 48,000 lumens covering mounting heights from 12 to 30+ feet, the LF Series is the ideal solution for warehouses, gymnasiums, light manufacturing and open spaces where temperatures reach up to 131°F.

For high-bay spaces, Sunled's HiSky LF Series Linear High-Bay luminaire creates a safe, productive and appealing environment with outstanding efficacy, reliability and lifetime performance.

Construction

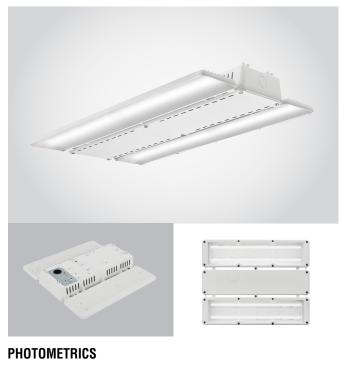
- Compact, die cast aluminium construction and light weight body
- Solid aluminium channel design for superior thermal performance even in warm ambient conditions
- Contractor friendly design reduces installation time and labor costs
- Separate optical and electrical compartment for improved thermal management and increased operational life.
- Aircraft cable included as standard with pendant and surface mount options available

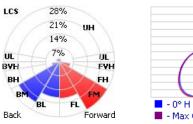
Optical

- Engineered optics provide uniformity and optimal UGR for comfortable illumination and increased spacings
- Exceptional 140Lm/W operating efficiency

Electrical

- Equipped with integral motion sensors and dimmable daylight control for optimal energy savings
- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection





📕 - 0° H 📕 - 90° H - Max Cd: 60° H

Pendant

ACCESSORIES





Motion Sensor

Suspended

PRODUCT CODE

Example HiSky LF 120 cat. 180.0.4.S.0

Model No	Voltage	Wattage (W)	Sensor	CCT (°K)	Mounting	Control
HiSky LF	120 - 120-277V	90 - 90W/12,200 lms	PC - Photocell	4 - 4000	S - Surface	EM - Emergency
	480 - 347-480V	105 - 105W/14,300 lms	MS - Motion	5 - 5000	SS - Suspended	Battery Backup
		130 - 130W/18,200 lms	Sensor		R - Rod	0 - None
		180 - 180W/24,200 lms	0 - None			
		210 - 210W/30,000 lms				
		260 - 260W/36,400 lms				
		360 - 360W/48,500 lms				
		420 - 420W/60,000 lms				

HISKY LF

LED Linear Highbay Luminaire

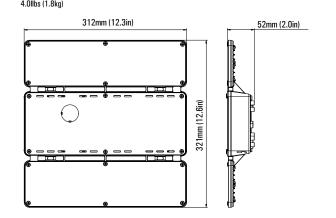
DIMENSIONS

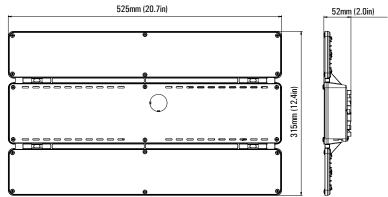
90W/105W/130W

Weight (May vary with accessories) 4.Ollbs (1.8kg)

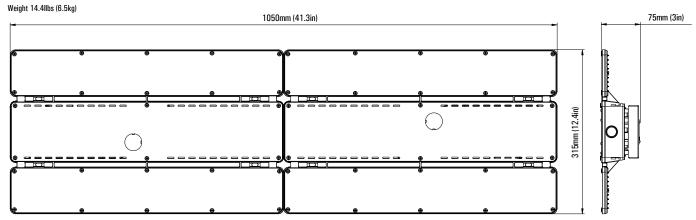
180/210W

Weight 7.0llbs (3.2kg)

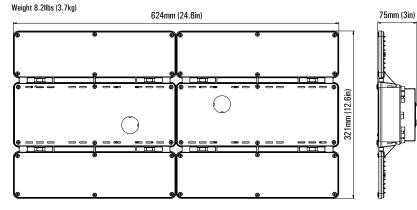




360/420W



260W





Applications: Retail stores, grocers, schools, showrooms, data centers, warehouses, factories

PERFORMANCE SUMMARY

The HiWing line of Highbays is a simple LED solution which efficiently illuminates work areas, creating a brighter and better warehouse, retail or manufacture environment.

With its multiple optical distributions and robust construction, this easy-to-install and low-maintenance lighting solution is suitable for a variety of applications.

Construction

- Die cast aluminum construction with sandblasted oxidation treatment for better abrasion and corrosion resistance
- Slimline profile makes it suitable in retail applications
- Shipped with standard aircraft cable tether to support the optical assembly during wiring
- Variety of mounting arrangements available including surface mount, aircraft hangar and tong hangars
- Convenient access plate located at back of fixture for cable access and a wiring termination compartment

Optical

- Polycarbonate lens cover protects inside optics from dust and insect collection
- Optical reflectors provide 30-120° beam angles both in symmetric or asymmetric distributions suitable for aisle or large area lighting
- Frosted lens distributes soft glare free lighting with lumen maintenance of 90% at 60,000hrs and an expected life of 80,000hrs

Electrical

Ships standard with premium brand driver that dims down to 5% using 0-10V controls

Specification

Volts: AC100-277/277-347V THD: <15% PF: >0.9 Average Rated Life: L90 @ 60,000hrs Environment Location: IP44 Ambient temp: -4°F to 131°F Dimming: 0-10V CRI: >RA80

PRODUCT CODE

Example HiWing cat. 347.60.5.S30.SS.0

		1		

25° Asymmetric 30° Symmetric

DIMENSIONS

120W 47.3"

30°

60°

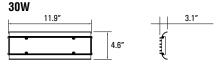
909

90W



60W





Model	Voltage	Wattage (W)	CCT (°K)	Beam	Mounting	Emergency
HiWing	120 - 120-277V	30 - 30W/4,200Lms	3 - 3000	A25 - Asymmetric 25°	C - Ceiling	EM - Emergency
Ţ	347 - 277-347V	60 - 60W/8,400Lms 90 - 90W/12,600Lms	4 - 4000 5 - 5000	S30 - Symmetric 30° 3 - 30°	TH - Tong Hangars SS - Cable Suspended	Backup 0 - None
		120 - 120W/16,800Lms	6 - 6000	6 - 60° 9 - 90°	ouspended	

OPTIONS





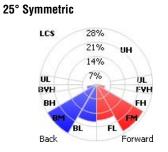
C Ceiling

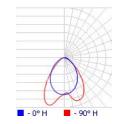


30/60/90/A25/S30 Custom Lens

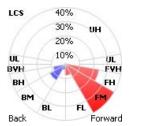
SS Suspended

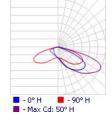
PHOTOMETRICS



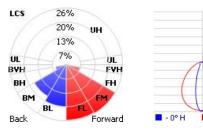


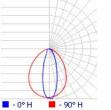
30° Asymmetric

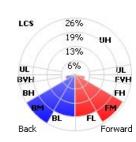


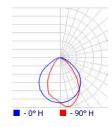








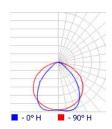




90°

60°







Applications: Warehouses and factories, retail and grocery, indoor sporting facilities, mailing and sorting sites

PERFORMANCE SUMMARY

The Interceptor Series High Output LED Highbay luminaire features a mirrored aluminium anti glare reflector and high CRI technology offering a comfortable solution, enhancing its use at all levels of commercial, warehousing and industrial settings

The classic shape of the Interceptor High Output High-Bay luminaire positions the product for use in a wide range of new and upgrade solutions

Features

- Quick release PCB LED COB for easy repair and maintenance
- Mirrored aluminium reflector delivers improved efficiency for a smooth and glare fee uniform light output
- Exceptional operating efficiency of 130lm/W
- Up to 26,500 delivered lumens
- Die cast thick gauge aluminium alloy construction
- Surface finished with a proprietary sand blasting oxidation treatment, withstanding harsh industrial conditions without cracking or peeling
- Optional dimmable or emergency option
- Ceiling bracket or suspended installation
- Low profile classic shape, suitable for installation in numerous applications

Specification

Volts: AC100-277V Output Volts: 48V Surge Protection: IEEE C62.41.2-2002 Average Rated Life: L70/50,000hrs Beam Angle: 110° Environment Location: IP40 CRI: RA85

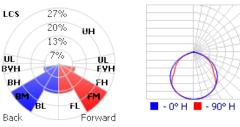
PRODUCT CODE

Example Interceptor cat. 168L.4.SS.M.DIM

Model No	Lumen Package (Lms)	Color Temperature (°K)	Mounting	Accessories	Control
Interceptor	168L - 160W/16,800Lms 1223L x 382W x 89H	4 - 4000 5 - 5000	S - Surface SS - Suspended	M - Mesh Guard 0 - None	DIM - 0-10v Dimmable
	184L - 160W/18,400Lms 1218L x 494W x 77H	184L - 160W/18,400Lms	ee easpenada		DALI - DALI Dimmable
	,			EM - Emergency 0 - None	
	,				0 None
	265L - 250W/26,500Lms 1223L x 502W x 89H				



PHOTOMETRICS



Vapor

Our vapor tight fixtures are ideal for wet, humid and dusty environments, suited for both indoor and open outdoor use as well as food processing and hose down applications

10

> > 9

DRAGETA

inc -

16

4E

CHALLENGER CLS

Vapor Tight LED Batten



Applications: Parking garages, industrial facilities, retail stores, garden centers, food services, airports

PERFORMANCE SUMMARY

The Challenger CLS vapor tight series from Sunled Industries is cost-efficient, wet-location listed and designed specifically for demanding environments.

It's multitude of sizes from 2 to 8ft and emergency options establish the CLS LED vapor tight fixture as an inexpensive solution for outdoor venues, canopies, locker rooms, passageways and under eave applications

Features

- Injection moulded UV stablised vandal cover with high mechanical stress rating for challenging applications
- IP66 wet location listed withstanding dust and dirt environment -
- Easy to install tool less access to lens and driver compartment •
- -40°F suitable for installation in cold storage areas
- Factory fitted emergency battery backup available
- Premium operating efficiacy of 130Lm/w
- DLC Premium qualified product
- . Everyday illumination at the lowest possible price
- . Easy to install tool less access to lens and driver compartment
- Quickfit bracket or optional suspension kit for simple installation

Specification

Volts: AC100-277V Average Rated Life: L80/50,000hrs CRI: RA80 Beam Angle: 120° Environment Location: IP66 Impact Rating: IK08 Ambient Temp: -40°F to 122°F Emergency: 8W/90min

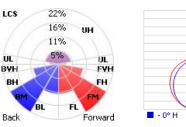
PRODUCT CODE

Example Challenger CLS cat. 2.24.3.PC.SS.0

Model No	Length	Wattage (W)	CCT (°K)	Accessories	Mounting	Control
Challenger CLS	2 - 2ft	24 - 24W/3,120Im	3 - 3000	PC - Polycarbonate Clips	S - Surface SS - Suspended	MS - Internal Motion Sensor
	4 - 4ft	30 - 30W/3,900lm 40 - 40W/5,200lm	4 - 4000 5 - 5000	ST - Stainless Steel Clips	oo ouspended	EM1 - 8W Emergency Backuj
	5 - 5ft	60 - 60W/7,800lm	6 - 6000			EM2 - 25W Emergency Backuj
	6 - 6ft	60 - 60W/7,800lm				0 - None
	8 - 8ft	60 - 60W/7,800lm 80 - 80W/10,400lm 100 - 100W/13,000lm				



PHOTOMETRICS



OPTIONS





one H





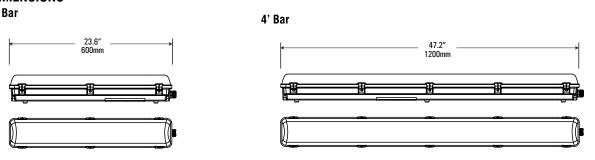
Internal Motion

CHALLENGER CLS

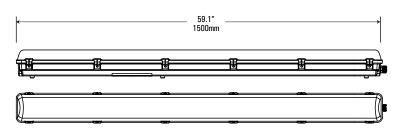
Vapor Tight LED Batten

DIMENSIONS





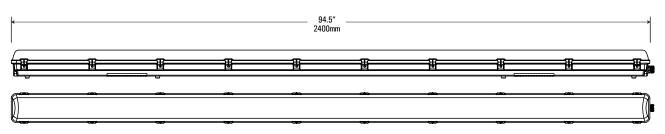
5' Bar



6' Bar



8' Bar





Steel Body Vapor Batten



Applications: Petroleum refineries, chemical plants, foundaries, paint booths, oil rigs, power generation facilities

PERFORMANCE SUMMARY

Challenger robust stainless steel linear vapor fixtures are suitable for wet and harsh conditions, rated for use in Hazardous locations. Constructed with a high grade steel body and a durable polycarbonate lens cover the Challenger Ex Series provides extreme reliability in Class I Division 2 areas where flammable gases, vapors or vapors may exist

Designed for both indoor and outdoor applications where moisture and corrosion maybe a problem such as chemical plants, sewage treatment facilities, refineries, waste water, food processing as well as marine, coastal areas and tunnels

Construction

- IP66 rated stainless steel housing suitable for wash down areas
- Dual 3/4" NPT steel cable entries at each side with single 1/2" reducer for maximum compatibility
- Available in 2' and 4' lengths
- Wide ranging ambient temperature ratings from -40°F to 140°F .
- Copper free steel for excellent heat dissipation and corrosion resistance
- Surface, suspended or outreach bracket mounting options
- Hazardous location LED luminaire vapor tight contained Class I Div 2 Groups A/B/C/D
- IK10 impact resistant PC lens secured to housing with TOR-20 tamperproof bolt assembly and cam latches
- Lumen packages ranging from 2,800L to 8,400L

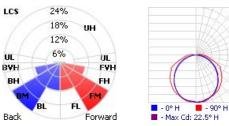
Electrical

- 120-277VAC or 220-480VAC
- Average rated life L80 >60,000hrs
- PF: > 0.95 THD: <20%
- Operating Temperature: -40°F to 140°F
- 1-10V dimming



Specification				
Lumen Package 2,800 - 8,400				
Wattage Range	20 - 60			
Efficacy	140			
Weight Ibs (kg)	8.8 (4.0) - 17.6 (8.0)			

PHOTOMETRICS



UL844 Classification

UL1598/UL1598A Marine Marking Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III

PRODUCT CODE

Example Challenger Ex cat. 4.50.40.S.MM.EPS

Model	Length	Wattage (W)	Color Temp	Mounting	Sensors ¹	Emergency
Challenger Ex 100	2 - 2ft	20 - 20W/2,800Im	30 - 3,000K	S - Surface	PM - Photocell +	EPS - 3hrs Internal
100-277V Challenger Ex 480		30 - 30W/4,200Im	40 - 4,000K - 50 - 5,000K 60 - 6,000K	SS - Suspended P - Pole	Motion PP - Photocell	Emergency Power Supply
220-480V	4 - 4ft	40 - 40W/5,600lm 50 - 50W/7,000lm 60 - 60W/8,400lm			MM - Motion 0 - None	0 - None

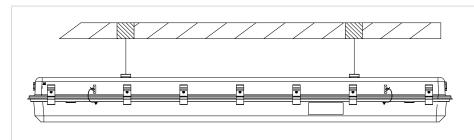
NOTES

¹Class I/Division II remote sensor

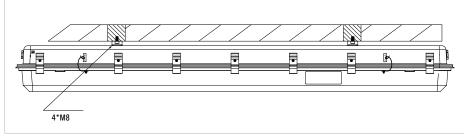
CHALLENGER EX

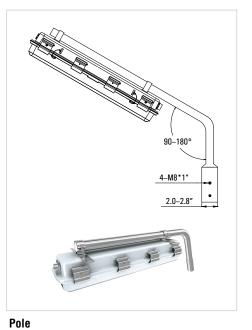
Steel Body Vapor Batten

INSTALLATION



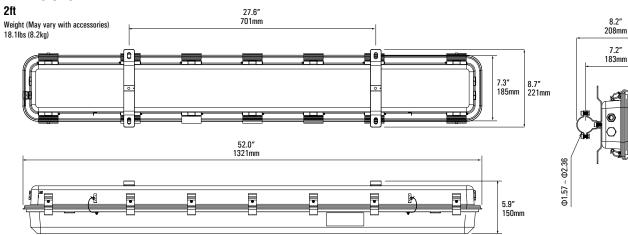
Suspended — Wire Mount

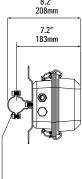




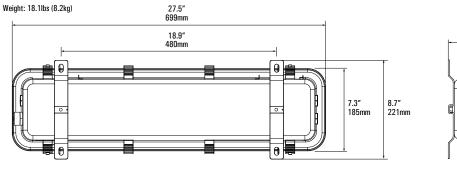
Ceiling

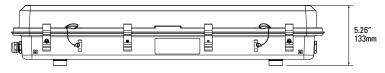
DIMENSIONS





4ft







Exceptional Durability In a Familiar Design

Constructed with a high grade steel body and a durable polycarbonate lens cover the Challenger Ex Series provides extreme reliability in Class I Division 2 areas

Ultimate Performance in Harsh Applications

- + IP66 STAINLESS STEEL HOUSING provides excellent corrosion resistance suitable for wash down areas
- + HAZARDOUS LOCATION LED LUMINAIRE vapor tight contained in Class 1, Div 2 groups A/B/C/D
- + IK10 IMPACT RESISTANCE PC LENS secures to housing with TOR-20 tamperproof bolt assembly and cam latches
- + **DUAL 3/4" NPT** steel cable entries at each side with single 1/2" reducer for maximum compatibility
- + 2,800 to 8,400L range of lumen packages



OPTICAL

- + 2ft: 2,800 4,200 lumens
- + 4ft: 5,600 8,400 lumens
- + CCT: 3000K, 4000K, 5000K, 6000K
- Clear or frosted lens options 110° wide beam distribution

ELECTRICAL

- + 120-277VAC or 200-480VAC
- + L80 >60,000hrs
- + 0-10v dimming standard
- + Operating Temperature: -40°F to 140°F



Reliable Hazardous Area Solutions from Sunled



CHALLENGER EX Steel Body Vapor Batten



GAMMA EX Floodlight Luminaire



HIEYE EX Highbay Luminaire



Applications: Commercial, residential, educational facilities, industrial and warehouse, amenity areas, hospitals

PERFORMANCE SUMMARY

The Sunled PR05 Series is ideal for flexible deployment in economical lighting structures. The PR05 design is suitable for ceiling, pendant and trunking rail mounting.

PRO5 has been developed with durability in mind with a rugged shatter proof lamp cover and inside prisms for excellent edge stability. PRO5 Tri offers unique uniform light distribution that ensures a glare-free environment.

Features

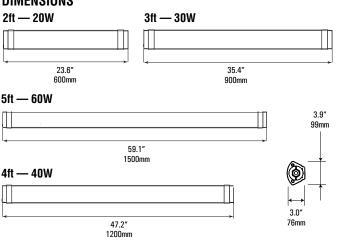
- Refined slimline appearance for everyday lighting needs
- High impact polyester housing and polycarbonate diffuser with IK10 protection rating
- Glare free diffuser for uniform light distribution
- Age resistant silicon gasket seals
- Quickfit bracket or optional suspension kit for simple installation
- Series linkable plug and play connection capablity
- Cable entry knock out on boith sides with quick release end caps
 Emergency battery backup, motion sensor and daylight sensors
- smart control options

Specification

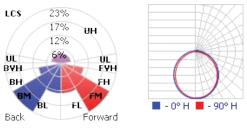
Volts: AC100-277V Average Rated Life: L70/50,000hrs CRI: RA80 Beam Angle: 120° Environment Location: IP65 Ambient Temp: -4°F to 122°F Emergency: 2hr/18W/6000mAh Impact Rating: IK10



DIMENSIONS



PHOTOMETRICS



PRODUCT CODE

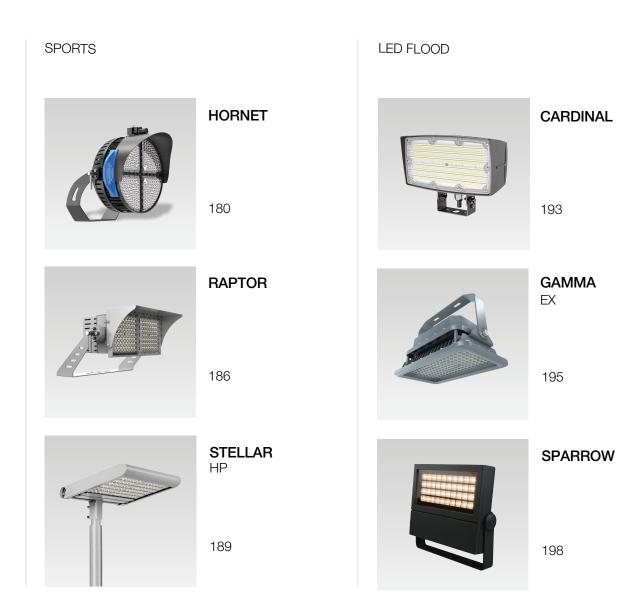
Example PR05 cat. 4L.40.L.5.SS.M

Model No	Length	Wattage (W)	Connectors	CCT (°K)	Mounting	Control
Pro5	2L - 2'	20 - 20W/2,400 lms	0 - None L - Linkable Serial	3 - 3000 4 - 4000 5 - 5000 57 - 5700	S - Surface SS - Suspended	EM - Emergency Battery Backup M - Motion Sensor O - None
	3L - 3'	30 - 30W/3,600 lms				
	4L - 4'	40 - 40W/4,800 lms				
	5L - 5'	60 - 60W/7,200 lms				



7 LED Flood

7 LED FLOOD



Sports

Sports venues have specialized needs when it comes to lighting and is often the case of wasted resources if such technology is not properly designed and implemented. Our sports lighting systems deliver industry leading efficiencies, streamlined installation and reduced fixtures counts









Applications: Professional sports arenas, university and college sports fields, gymnasiums, field houses, high mast lighting, airports

PERFORMANCE SUMMARY

The Hornet Sports luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics.

Built to last, the housing is a rugged high purity aluminium with versatile mounting configurations that offer simple installation while an intelligent network interface allows seamless high level control.

The Hornet is an advanced upgrade for HID applications with fewer fixtures consuming far less energy

Construction

- Cold forged high purity aluminium improves heat management, preventing long term system degredation
- Modular installation system designed for easy assembly on new construction or pole retrofits
- IP66 rated optics and fixture
- Hinged, compartmented release door with tool-less entry
- Finished in polyester powdercoat process withstanding extreme weather while providing optimal color and gloss retention

Electrical

- 100-277VAC or 480VAC
- Average rated life L70/L90: >100,000H/>60,000H
- Operating Temperature: -40°F to 122°F
- Premium driver featuring input surge, output over-voltage, short circuit and over temperature protection
- 4kV standard surge protection; 20kV optional
- Zero interference circuitry eliminates electromagnetic disturbances
- High level wireless communication technology for remote monitoring, control and maintenance







Specification				
Lumen Package	50,000 - 235,000			
Wattage Range	300 - 1,700			
Efficacy	140			
Weight Ibs (kg)	39.2 (17.8) - 85.5 (38.8)			

Optical

- Custom engineered optics provide uniform illumination with minimal light spill in NEMA 2/3/4/5/6
- Optional laser guided aiming pointer
- High frequency flicker free output suitable for broadcast

PRODUCT CODE

Example Hornet 120 cat. 300.N2.40.BL.SL.AL

Model No	Wattage (W)	Distribution	CCT (°K)	Handle	Accessories	Control
Hornet 120	300 - 300W/50,000L	N2 - Nema 2	40 - 4000	BL - Blue	SL - Slipfitter	DMX - DMX
120-277V Hornet 480 480V	450 - 450W/70,000L 550 - 550W/85,000L	N3 - Nema 3 N4 - Nema 4	50 - 5000 57 - 5700	RE - Red GR - Green	DM - Direct Mount TM - Trunnion Mount	DIM - 0-10v Dimming
-007	750 - 750W/100,000L 900 - 900W/125,000L 1100 - 1100W/150,000L	- 900W/125,000L N6 - Nema 6 0 - 1100W/150,000L	0 - None	LG - Laser Guidance SPD - 20kV Surge Protection Device	AL - Airlink 0 - None	
	1500 - 1500W/210,000L 1700 - 1700W/235,000L					

HORNET

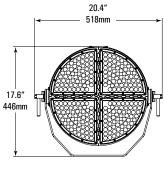
Sports Lighting Luminaire

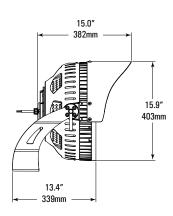
EPA DATA

Module Count	System Watts	Woldht	
2x2	300-550W	39.2 lbs. (17.8kg)	1.04
2x2	750W	41.9 lbs. (19.0kg)	2.08
2x3	900-1100W	64.0 lbs. (29.0kg)	3.12
3x3	1500-1700W	85.5 lbs. (38.8kg)	4.68

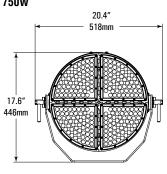
DIMENSIONS

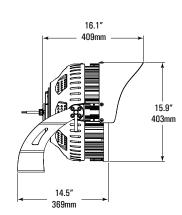
300-550W



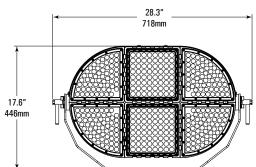


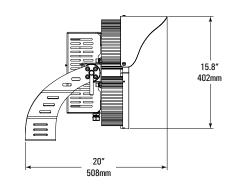




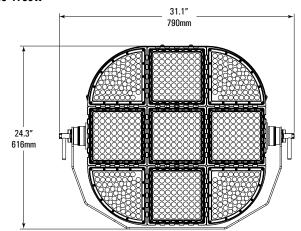


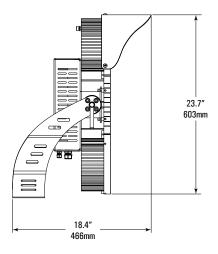
900-1100W





1500-1700W





HORNET

Sports Lighting Luminaire

PERFORMANCE

System Watts	120V	208V	240V	277V	347V	480V
300	2.63A	1.51A	1.31A	1.14A	0.91A	0.88A
450	3.94A	2.27A	1.97A	1.71A	1.36A	0.98A
550	4.82A	2.78A	2.41A	2.08A	1.66A	1.20A
750	6.57A	3.79A	3.28A	2.84A	2.27A	1.64A
900	7.88A	4.54A	3.94A	3.41A	2.72A	1.97A
1100	9.63A	5.55A	4.81A	4.17A	3.33A	2.41A
1500	13.13A	7.57A	6.56A	5.69A	4.54A	3.28A
1700	14.88A	8.58A	7.44A	6.44A	5.14A	3.72A

ACCESSORIES





ТΜ Trunnion



DM Direct Mount

SL



LG Laser Guided Aiming



AL Airlink

HANDLE



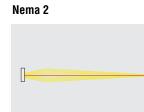
BL

Blue

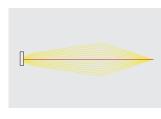
RE Red



GR Green



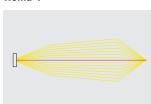
DISTRIBUTION



Nema 3

Nema 5

Nema 4



Nema 6



HORNET Sports Lighting Luminaire



The AirLink enabled by Synapse Wireless Lighting Control System is the perfect solution for commercial, industrial and municipal applications, such as: auto dealerships, parking lots, garages, shopping complexes and warehouses.

AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The AirLink System

Wireless controls & sensors

· Wireless & **Override Switches** Occupcancy/Vacancy & Daylight Sensors AirLink-integrated Fixtures AirLink-compatible Fixtures Circuit & Zone Controllers

Centralized control & integration

Site Manager Controller





The flexibility of the system make it perfect for new construction and retrofit projects. The user-friendly AirLink web application is accessible through any device with an internet connection and allows for complete customization of the system's features.

Some capabilities of the system include: occupancy/vacancy sensing, daylight harvesting, scheduling, high-end trim, dimming, zone control, BMS integration and energy monitoring.

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WiFi, Cellular or Ethernet Connection

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Simple-to-use software



AirLink Site Manger: Lighting control web app

RAISE THE GAME WITH HIGH-PERFORMANCE TECHNOLOGY

13

Accuracy

Legacy HID systems provide good initial light output and but are difficult to contain around the field. Hornet's precisely designed optics ensure a perfect combination of optical cutoff and beam accuracy resulting in elevated lighting levels with the ability to contain spill lighting



Premium Power For Quality Light

The Hornet uses intelligent driver technologies that are the most efficient in converting electricity to light, saving power but producing more light. Whilst in surge suppression adds an additional layer of protection for the luminaire's driver and electronic components

In-Laser Guidance

Take the guess work out of aiming, equipped with our industry leading laser guidance technology our light beams can be aimed with ease and accuracy placing the light on the exactly on the desired target for the spot-on results every time

Zero Disturbances

Our high grade semi-conductor light engine is designed with a specialized electro-magnetic filter that is not affected or does not create radio frequency disturbances for trouble free operation in any environment

High Level Communication

Hornet utilizes semi-conductor grade circuitry components and advanced communication systems including WiFi and Bluetooth to allow for complete customization of system features from anywhere, enabling a fully remote control solution for your desired functionality

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Scalable LED Modules

Versatility of output ranging from 50,000-235,000 lumens allows an optimized configuration for different sports and class of play

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Full Control

The Hornet Series transmits data wirelessly allowing you to easily access capabilities such as scheduling, high-end trim, dimming, zone control, BMS integration, energy monitoring and site-wide control system interface. Each fixtures performance and health can be monitored to identify potential faults, preventing in-game disruptions

Thermal Management

Heat sinks specifically designed for effective vertical air convection with a broad heat radiation surface area ensure a lifespan of up to 123,000hrs. The aerodynamic profile delivers excellent passive cooling, preventing long term system degradation



Staged Design

Our sports lighting fixtures are designed for the most efficient installation with modular stages design of our fixtures enabling full use of the existing infrastructure, eliminating expense of new pole demolitions, foundations and overall greatly reducing the finished construction costs



Applications: Sporting arenas, sports fields, gymnasiums, field houses, high mast lighting, airports

PERFORMANCE SUMMARY

The Raptor High Output Flood luminaire blends extreme optical control, advanced thermal management and clean aesthetics.

Built for versatility, the Raptor is a unique and flexible system, comprised of self-contained modular elements, allowing variability in both lumen output and light distributions.

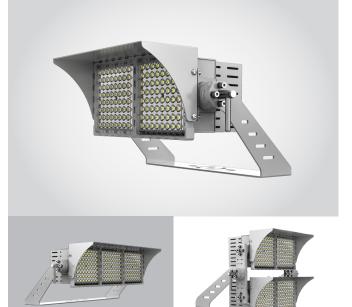
The Raptor can be specified in nine- 200 watt module configurations capable of replacing up to 2000W metal halide fixture

Construction

- Patent design trim lock enables quick and easy adjustment for each row of modules and 270° pivot base plate with integrated arm
- Cold forged high purity aluminum with heat sinking across the full module, enabling a long fixture life (IP67)
- Finished in polyester powder coat process withstanding extreme weather while providing optimal color and gloss retention
- Modular housing design up to nine modules can be combined on one fixture

Electrical

- 100-277VAC or 480VAC
- Average rated life L70/L90: >100,000H/>60,000H
- 4kV standard surge protection; 20kV optional
- Zero interference circuitry eliminates electromagnetic disturbances
- Wireless communication enabled for remote monitoring, control and maintenance
- Operating Temperature: -40°F to 122°F
- 0-10V dimming



Specification					
Lumen Package 56,000 - 252,000					
Wattage Range	400 - 1,800				
Efficacy	140				
Weight Ibs (kg)	27.6 (12.5) - 101.4 (46.0)				

Optical

- Each Raptor flood fixture can be configured in NEMA 2/3/4/5/6
- Flicker free output suitable for broadcast
- ∎ 140lm/W

PRODUCT CODE

Example Raptor 120 cat. 400.N2.40.BL.TM.0

Model No	Wattage (W)	Distribution	Color Temp	Finish	Accessories	Control
Raptor 120	400 - 400W/56,000L	N2 - Nema 2	40 - 4,000K	BL - Black	YK - Yoke ¹	AL - Airlink
120-277V	480 - 480W/63,000L	N3 - Nema 3	50 - 5,000K	GR - Gray	LG - Laser Guidance	0 - None
Raptor 480 480V	600 - 600W/84,000L	N4 - Nema 4	57 - 5,700K		SPD - 20kV Surge	
400 V	800 - 800W/112,000L	12,000L N5 - Nema 5		Pr	Protection Device	
	1000 - 1000W/140,000L	N6 - Nema 6			VS - Visor	
	1200 - 1200W/168,000L	P45 - 30°x100°				
	1500 - 1500W/210,000L					
	1800 - 1800W/252,000L					

NOTES

¹Standard mounting configuration

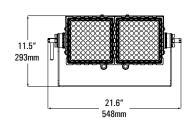
RAPTOR

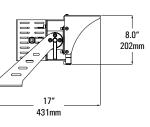
High Output Floodlight

EPA DATA

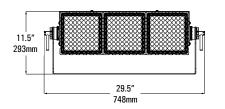
Module Count	System Watts	Weight	EPA
1x2	400/480	27.6 lbs. (12.5kg)	1.04
1x3	600	38.6 lbs. (17.5kg)	1.55
2x2	800	57.3 lbs. (26.0kg)	2.08
2x3	1,000	74.5 lbs. (33.8kg)	3.12
2x3	1,200	78.0 lbs. (35.4kg)	3.12
3x3	1,500	96.0 lbs. (43.5kg)	4.68
3x3	1,800	101.4 lbs. (46.0kg)	4.68

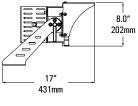
DIMENSIONS 400/480W



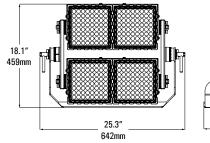


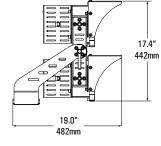
600W



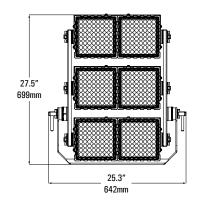


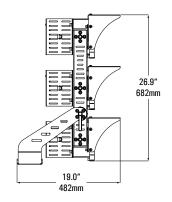
800W



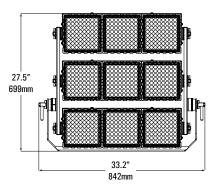


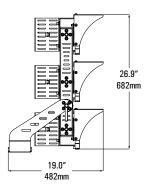
1000/1200W



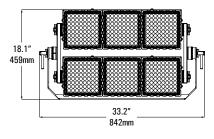


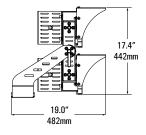
1500/1800W





1000/1200W





RAPTOR

High Output Floodlight

PERFORMANCE

System Watts	120V	208V	240V	277V	347V	480V
400	3.50A	2.02A	1.75A	1.52A	1.21A	0.88A
480	4.20A	2.42A	2.10A	1.82A	1.45A	1.05A
600	5.25A	3.03A	2.63A	2.72A	1.82A	1.31A
800	7.00A	4.04A	3.50A	3.03A	2.42A	1.75A
1000	8.75A	5.05A	4.38A	3.79A	3.03A	2.19A
1200	10.50A	6.06A	5.25A	4.55A	3.63A	2.63A
1500	13.13A	7.57A	6.56A	5.69A	4.54A	3.28A
1800	15.75A	9.09A	7.88A	6.82A	5.45A	3.94A

DISTRIBUTION

Nema 2







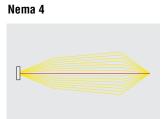


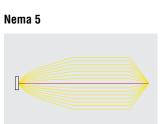




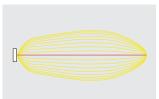
Yrug

AL Airlink





Nema 6





Applications: High-mast, flood, campuses, sports facilities, stadiums, automotive dealerships, parking lots, general site lighting

PERFORMANCE SUMMARY

The Stellar HP family from Sunled is designed for illuminating large areas that require precise beam control. The Stellar HP high output area luminaire redefines the compromises of high output illumination by bringing a multitude of optical configurations at up to 125K lumens, with a slim line profile that significantly reduces wind load

This feature rich package provides exceptional area coverage and enhanced site appeal enabling a better turnout in retail, commercial or sports venues

Construction

- Minimal profile Low EPA (0.9 ft2) for optimized pole wind loading.
- AMA mount adjustable mounting arm is rugged die cast aluminum and mounts to 2-3/8" (60mm) 0.D, minimum 4.72" (120mm) tall vertical tenon
- Luminaire body and sides heavy duty die cast aluminum with separate weather tight chamber for light engine and heat sink
- Modular design allows for easy installation, replacement and maintenance.
- Centralized flow-through convection system, pulls heat off both the optics and driving housing
- IK08 rated lens and housing completely sealed against moisture and environmental contaminants (IP67).
- Tenon bracket adjustable from horizontal 60° towards pole and 120° away from pole

Optics

- Over 12 IES distributions available, including Autospec beam to highlight front row of cars at automotive dealerships
- High-uniformity CRI80 LED optics are constructed of durable optical polycarbonate resistant to degradation or abrasion
- Steel plate between optics and driver compartment adds protection to the light engine and prolongs LED life

PRODUCT CODE

Example Stellar HP 120 cat. 83L.T4S+BL.50.G.AMA.DIM/BS

(

Specification					
Lumen Package 62,000 - 125,000					
Wattage Range	461 - 924				
Efficacy	135				
Weight Ibs (kg)	40.54 (18.39) - 65.92 (29.90)				

Electrical

- Each PCB is fitted with 20kV/10kA Voltage Suppressors as per ANSI/IEEE C62.41.2-2002 TVS to protect the LEDs from surges and transient events.
- 120-277VAC or 347-480VAC
- Average rated life L70/L90: >200,000H/>60,000H
- Premium LEDs, driver and components with MOLEX and WAGO connectors
- PF: > 0.95 THD: <20%
- Operating Temperature: -40°F to 131°F

Finish

- Corrosion and UV resistant 100µm high temp polyester powder coat
- 1000hr salt spray certification as per ASTM B117/ ISO 9227:2012.
- Standard RAL colors Grey, Black, Bronze and White with any RAL customizations available

Model No	Lumen Package	Distribution		CCT (°K)	Finish	Mounting	Accessories
Stellar HP 120 120-277V Stellar HP 480 347-480V	62L - 62,000 lms 83L - 83,000 lms 104L - 104,000 lms 125L - 125,000 lms	T2M - Type 2 Medium T3M - Type 3 Medium T4S - Type 4 Short T4M - Type 4 Medium ASP - Autospec Front Row Optics +BL - 5° Backlight Addon +ST - Side Throw Addon	T510 - Type 5 10° T525 - Type 5 25° T540 - Type 5 40° T560 - Type 5 60° T590 - Type 5 90° N6 - NEMA 6 N7 - NEMA 7	30 - 3000K 40 - 4000K 50 - 5000K 57 - 5700K	BR - Bronze RAL8019 BK - Black RAL9011 W - White RAL9010 G - Gray RAL7004	AMA Adjustable Mounting Arm For use with vertical tenons and poles	PE - Photocell AL - Airlink DIM - 1-10v Dimming SPD - 10kA/20kA Surge Protection BS - Bird Spike RDM - Remote Driver module 0 - None

STELLAR HP

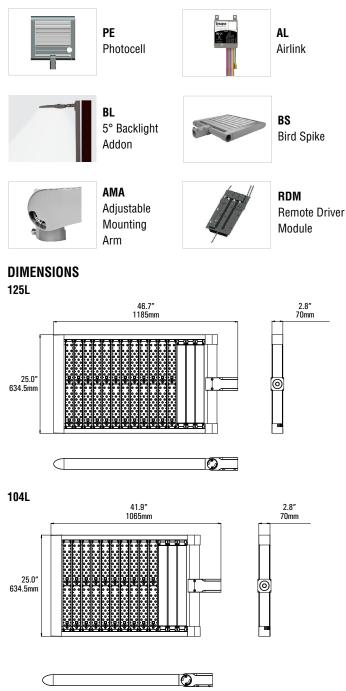
High Output Flood/Area Luminaire

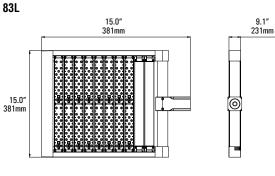
PERFORMANCE

Lumen	System	Drive		Initial Delivere		ered Lumens ¹	Efficacy
Package	Watts	Current	LED Modules	LED Count	3000K	4000/5000K	LPW
62L	461	700mA	6	216	56,012	62,235	135
83L	614	700mA	8	288	74,601	82,890	135
104L	769	700mA	10	360	93,434	103,815	135
125L	924	700mA	12	432	112,266	124,740	135

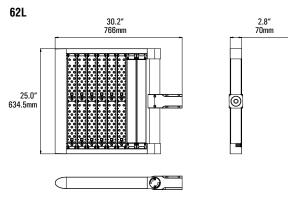
¹Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered

OPTIONS





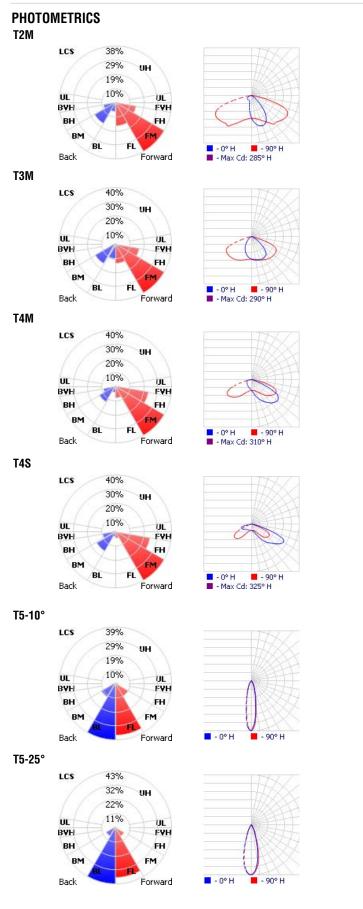


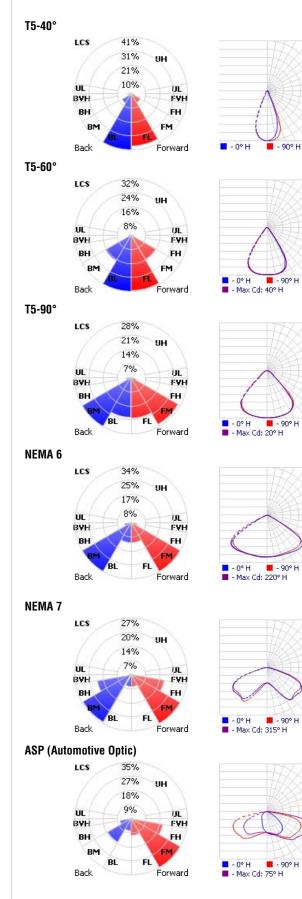


LED Count	Weight	EPA
216	40.57 lbs. (18.4kg)	0.670
288	48.50 lbs. (22.0kg)	0.735
360	60.40 lbs. (27.4kg)	0.843
432	65.92 lbs. (29.9kg)	0.919

STELLAR HP

High Output Flood/Area Luminaire





Flood

Floodlight solutions from Sunled aim to redefine the compromises of limited beam control in large area illumination by bringing a range of engineered, fit for purpose distributions that provide accurate optical control.

From delicate building façades where beam control is critical to large areas with tight spill requirements, Sunled has the choices needed to fulfill any large area lighting application

CARDINAL





Applications: Commercial buildings, apartments, schools, hotels, public areas, schools, hospitals

PERFORMANCE SUMMARY

The Cardinal Series LED Floodlight provides precise optical control with a choice of mounting options to effectively illuminate a wide range of projects.

Combined with clean seamless lines, our Cardinal Series Flood luminaire is both a versatile and modern LED solution that doesn't sacrifice performance. Every configuration is designed for easy installation and aiming, and long-life LEDs reduce maintenance costs to almost zero

Construction

- Slipfitter, adjustable yoke, 1/2" knuckle or trunnion bracket adaptable to multiple project applications
- Clean lines add aesthetic quality to any outdoor setting
- High impact die cast aluminum body with UV stabilized finish
- Weathertight IP65 sealed lens and LED chamber
- DLC Premium 5.1 pre-qualified product

Optics

- 130lm/W operating efficiency
- Philips LumiLED PCB available in 7H6V/7H7V optics •
- PC refractor lens deliver exceptional coverage and uniformity while protecting inside electronics
- Tunable CCT switch from warm white (3000k) to daylight (4000k) to cool white (5000k)

Electrical

- AC120-347V / AC277-347V input voltage (0-10VDC Dimmable)
- Optional button photocell sensor control
- 2kV surge protection
- Field selectable, 4 way power control

Specification

Volts: AC120-277V/277-347V Average Rated Life: 50.000hrs **Environment Location: IP65** Impact Rating: IK08 Operating Temp: -22°F to 113°F CRI: RA70

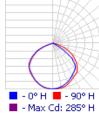
PRODUCT CODE

Example Cardinal 100 cat. 7H7V.345.15.YK.BR.0

Model No	Distribution	CCT (°K)	Wattage (W)	Accessories	Finish	Options
Cardinal 100 100-277V	7H7V NEMA 7x7	345 - CCT Selectable	15 - 15W/1,950 lms	KN ² - 1/2" Knuckle	BR - Bronze	DM - Daylight photocell control
Cardinal 347 277-347V	7H6V NEMA 7x6	Selectable 3000/4000/5000 3 - 3000 4 - 4000	35 - 35W/4,550 lms 55 - 55W/7,150 lms 75 -75W/9,750 lms	YK - Yoke SL ¹ - Slipfitter TR - Trunnion	BK - Black	FS - Field selectable power switch
NOTES:- ¹ SL available for 100-150W ² KN not available for 100-150W		5 - 5000	100 - 100W/13,000 lms 120 - 120W/15,600 lms 150 - 150W/19,500 lms			0 - None









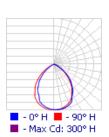
EVH

FH.

Forward

UL

Back

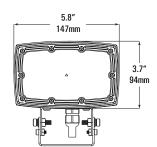


CARDINAL

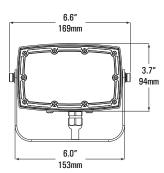
LED Flood Luminaire

DIMENSIONS 15/35W

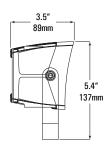
To/35W Trunnion



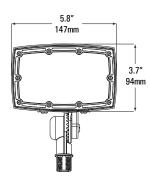
Yoke

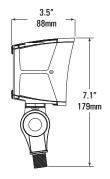




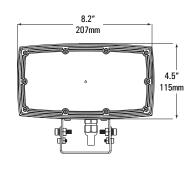


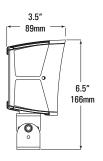
1/2" Knuckle

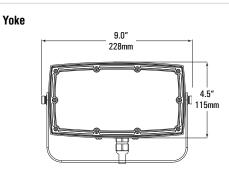


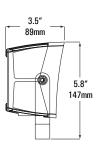


55/75W Trunnion

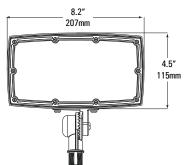


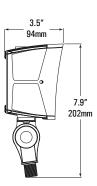




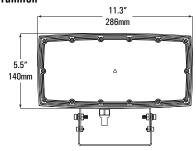


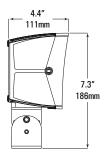
1/2" Knuckle



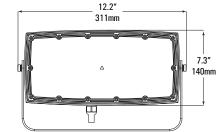


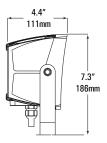
100/120/150W Trunnion



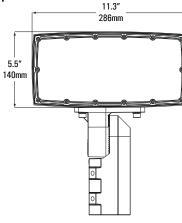


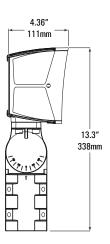
Yoke





Slipfitter







Applications: Petroleum refineries, chemical plants, foundaries, paint booths, oil rigs, power generation facilities

PERFORMANCE SUMMARY

Built for harsh environments the Gamma Ex Series Class 1, Division 2 luminaire delivers high quality illumination without sacrificing application performance

Versatile as it is efficient, the Gamma Ex is fully customizable, available with a wide range of installation accessories it can be mounted almost anywhere. Suitable for environments made hazardous due to the presence of flammable or explosive gases, vapors and combustible dusts such as paint booths, oil rigs and petroleum refineries

Construction

- Copper free die-cast aluminum housing optimizes heat dissipation, withstanding harsh and hazardous environments
- Electrostatically applied marine grade high temperature polyester powder coat for complete corrosion protection
- Wet location IP66 listed suitable in high pressure hose down areas
- Stainless steel adjustable mount yoke and accessories as standard
- Optional universal arm attachment that can be adapted to wall/stanchion mounting with a multitude of mounting angles including flood, pendant or pole top installations
- 3G vibration isolation rated

Optics

- Available in 30°, 60°, 90°, 120° distributions
- Engineered LED technology provide superior beam to field ratios maximizes uniformity reducing total fixtures counts
- High impact tempered glass lens built to maintain color and transparency, maintaining light levels over time
- Optical assembly secured by high tensile TOR-X T20 bolts from back of fixture
- 3000K to 6000K CCT options

Electrical

- 120-277VAC or 200-400VAC
- Driver features input surge, output over-voltage, short circuit and over temperature protection
- Average rated life L80 >60,000hrs
- Integrated junction box enables quick and easy wiring
- Surge protection to 10kV/5kA as per ANSI/IEEE C62.41.2-2002
- PF: > 0.95 THD: <20%</p>
- Operating Temperature: -40°F to 131°F
- 1-10V dimming

UL844 Classification

UL1598/UL1598A Marine Marking Class I, Division 2, Groups A, B, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III

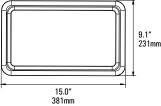


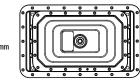
Specification					
Lumen Package 5,600 - 28,000					
Wattage Range	40 - 200				
Efficacy	140				
Weight Ibs (kg)	9.15 (4.15) - 18.30 (8.3)				

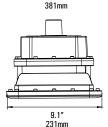
DIMENSIONS

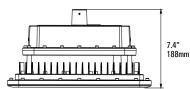
80-200W

Weight (May vary with accessories) 18.3lbs (8.3kg)



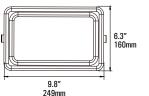


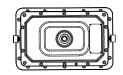


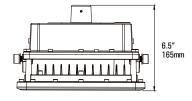




Weight: 9.2lbs (4.2kg)







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GAMMA EX

Floodlight Luminaire

PRODUCT CODE

Example Gamma Ex cat. 60.50.0.EYK

Model	Wattage	Color Temp	Beam Angle	Accessories ¹	Mounting ²	
Gamma Ex 100	40 - 40W/5,600 lms	40 - 4,000K 3 - 30		EPS - 3hrs Internal	EJB - Junction Box	E25A - 25° Arm
100-277V	60 - 60W/8,400 lms	50 - 5,000K	6 - 60°	Emergency Power	EBP - Bended Pipe	Support
Gamma Ex 480 200-480V	80 - 80W/11,200 lms 57 - 5,700K	57 - 5,700K	9 - 90°	Supply PM - Photocell +	ESA - Surface Mounted Arm	EC01 - Steel Overhang Conduit
200 1001	100 - 100W/14,000 lms	60 - 6,000K	12 - 120°	Motion		ESP - Straight Pipe
	150 - 150W/21,000 lms			PP - Photocell	E90J - 90° Arm with Junction Box	ED01 - Pendant
	180 - 180W/25,200 lms		MM - I	MM - Motion		Direction Adaptor
	200 - 200W/28,000 lms			0 - None	E90A - 90° Arm Support	E90P - 90° Pole
					E25P - 25° Pole	Support
NOTES					Support	EDA - Direct Arm
¹ Class I/Division I	l remote sensor				E25J - 25° Arm with	EH - Hook

¹Class I/Division II remote sensor ²Ships standard with yoke bracket

ACCESSORIES



EJB Junction Box



E90J 90° Arm with Junction Box



E25J 25° Arm with Junction Box



ESP Straight Pipe



EDA Direct Arm





E90A 90° Arm

Support

E25A 25° Arm

Support

ED01 Pendant

Direction Adaptor

EH Hook

ESA Surface Mounted Arm



E25P 25° Pole Support



EC01 Steel Overhang Conduit



E90P 90° Pole Support



EYK Yoke







25%

19%

13% 6%

UH

UL

FH

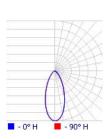
LCS

UL

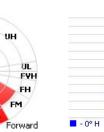
BYH

BH

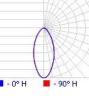
Back



EYK - Yoke



Junction Box



FYH 🗖 - 0° H 📕 - 90° H Forward

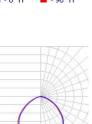
- 0° H



60°

90°



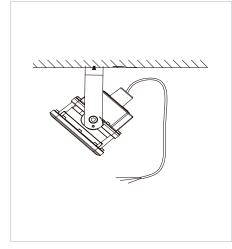


📕 - 90° H

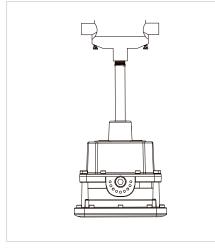
GAMMA EX

Floodlight Luminaire

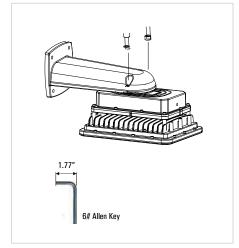
INSTALLATION



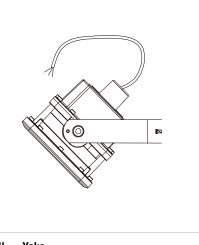
Ceiling — Yoke



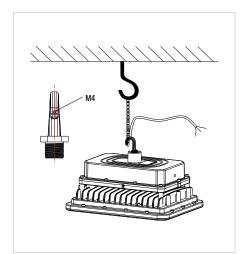
Pendant — Straight Pipe



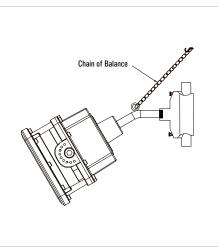
Wall — Surface Mounted Arm



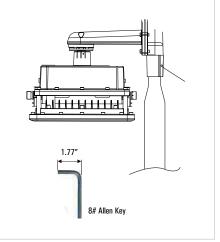


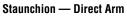


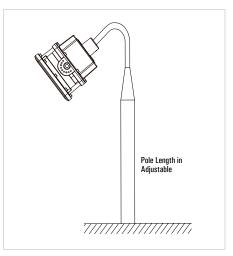
Pendant — Hook



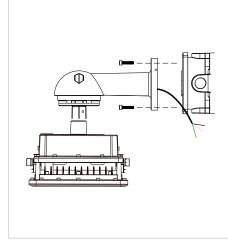








Pole — Overhang Conduit



Wall — Surface Mounted Arm with Junction Box



Applications: Site perimeters, building projection, parks, facades, infrastructure, entrances, commercial and architectural spaces

PERFORMANCE SUMMARY

Sparrow floodlights provide seamless solutions for a multitude of outdoor and architectural applications.

These floodlights are characterized by a long service life, wide range of beam angles, choice of horizontal or vertical mounting configurations and shield add-ons that further optimize the optical system

Features

- Tempered glass lens cover
- Surface finished with a proprietary Akzo Nobel treatment, withstanding harsh weather conditions without cracking or peeling
- Available in 5 distributions for precise optical control
- 240V or 24V DC RGB colour changing option, with built in decoder and interface to DMX system
- Side shield housing addon available
- Pedestal or yoke mounting bracket
- Dimmable

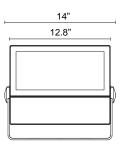
Specification

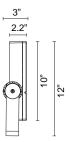
Volts: AC100-277V or DC24V PF: >0.95 Average Rated Life: 90,000hrs CRI: RA80 Environment Location: IP65 Ambient temp: -4°F to 113°F



DIMENSIONS

Weight (May vary with accessories) 18.3lbs (8.3kg)





PRODUCT CODE

Example Sparrow 120 cat. C75.3.25.80.YK.B.VS/M

Model No	Wattage (W)	CCT (K)	Ra	Beam Angle	Mounting	Housing Color	Accessories
Sparrow 120	C75 - 75W/7500Im	3 - 3000	80 - RA80	10 - 10°	YK - Yoke	B - Black	VS - Visor
AC120V	C100 - 100W/10,000lm 24 C150 - 150W/15,000lm	4 - 4000		25 - 25°	PD ¹ - Pedestal	RAL9011	DIM - 0-10V Dimming
Sparrow 24 DC24V		6 - 6000		50 - 50°		W - White RAL9016 G - Gray RAL7012	M - Marine Corrosion
00240		R - Red		65 - 65°			Resistant
		G - Green		96 - 96°			0 - None
		B - Blue				M - Mineral	
		RGB - RGB				Bronze	
						S - Silver RAL9006	

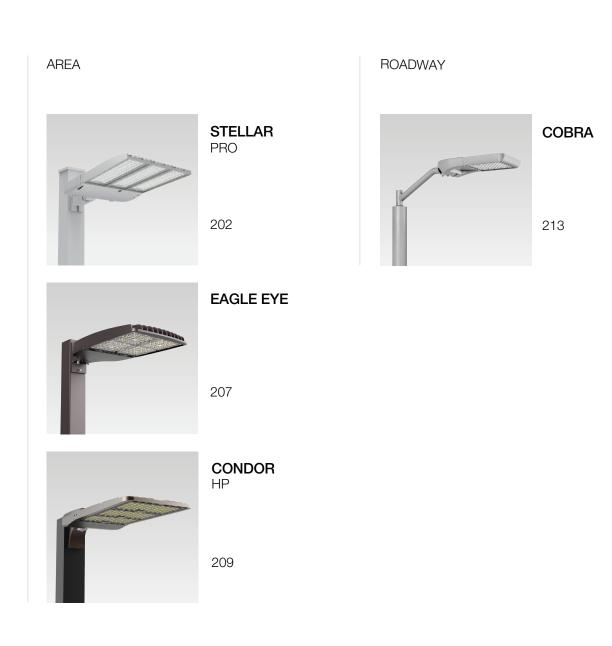
NOTES

¹Pedestal suitable for horizontal surface only



8 Site

8 SITE



Area

The right amount of site lighting can not only transform a space but create an added street appeal creating a lasting first impression.

Sunled's feature rich area and roadway luminaires offer a tailored design approach with a wide variety of outputs, distributions and finishes that enable seamless integration into most sites with ease and efficiency



STELLAR PRO Parking Lot and Area Light



Applications: Parking lots, general area lighting, sporting facilities, roadway, car dealerships

PERFORMANCE SUMMARY

The Stellar Pro area/site luminaire combines impressive aesthetics, ease of installation features and advanced optical control resulting in significant installation and energy savings.

Incorporating precision engineering optics, the Stellar Pro luminaire offers a choice of seven scalable distributions that deliver superior control and maximize light levels, whether the application is a parking lot or a pedestrian walkway.

Construction

- Rugged, single-piece, die-cast aluminum housing and driver compartment with patent low profile design for minimal EPA rating
- IP66 rated optics and fixture
- Hinged, compartmented release door with tool-less entry
- Multiple mounting options including square/round pole, slipfitter, bracket and wall mount enabling seamless retrofit applications
- Vertical fins provides excellent thermal dissipitation and extremely long operational hours
- Finished in polyester powdercoat process withstanding extreme weather while providing optimal color and gloss retention. Available in gray (standard), bronze, black, or white

Electrical

- 10kV/10kA, UL 1449 fused surge protection optional
- DLC Premium 5.1 qualified product
- Inventronics driver featuring input surge, output over-voltage, short circuit and over temperature protection

Optical

- Premium engineered individual polycarbonate lens deliver 7 distributions in type II, III, IV, V
- 10 lumen package ranging from 9,600 90,000 nominal lumens
- Flicker free and dark sky compliant zero uplight
- High output Philips LumiLEDs 5050 COB
- Optional 5° backshield lens addon available

Control

- Standard 1-10V dimming with optional twistlock photocell and microwave sensor control
- Smart City Airlink wireless control and monitoring system

Specification

Volts: AC100-277/277-480VAC Surge: Line to gnd-10kV Average Rated Life: 50,000hrs CRI: RA80 PF: 0.9 Environment Location: IP66 Ambient Temp: -40°F to 131°F THD: <15%

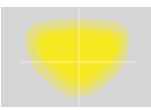


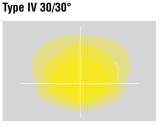
DISTRIBUTION Type II 50/50°

Type III 30/30°



Type III 50/50°









Type V 50/50°

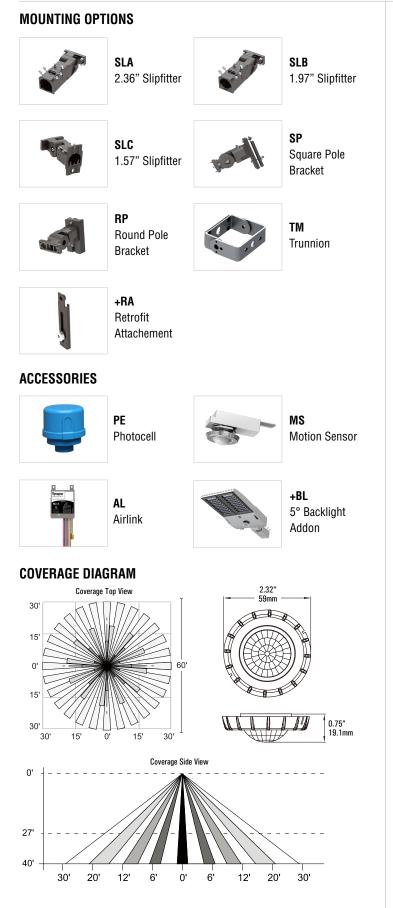






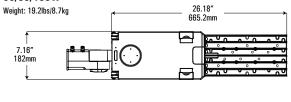
STELLAR PRO

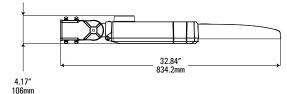
Parking Lot and Area Light



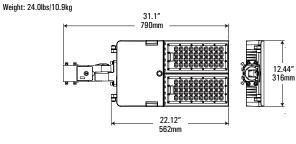
CONTROL

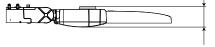
60/80/100W





120/150/200W



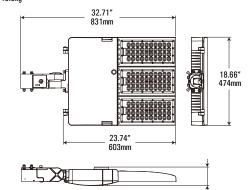


3.86″ 98mm

3.94″

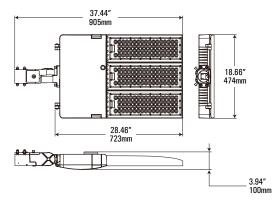
100mm

240/320W Weight: 30.04lbs/13.8kg



400/500/600W

Weight: 37.0lbs/16.8kg



STELLAR PRO

Parking Lot and Area Light

EPA SQ.FT

Stellar 60-320W I	ellar 60-320W Luminaire EPA							
Tenon	Configuration	60/80/100W	120/150/200W	240/320W				
•-	Single	0.63	0.5	0.53				
	2 @ 180°	1.26	1.0	1.06				
	2 @ 90°	0.82	0.77	0.96				
∎∔∎	3 @ 90°	1.44	1.27	1.49				
*	3 @ 120°	1.26	0.93	0.99				
•	4 @ 90°	1.44	1.27	1.49				

Stellar 400/500/600W Luminaire EPA							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°		
Tenon Configuration				- -	·		
•-		* -	∎-∔-∎	•*•	■Ì■		
0° Tilt	l				I		
0.60	1.20	1.03	1.63	1.93	2.06		
10° Tilt							
0.76	1.20	1.19	1.96	2.33	2.38		
15° Tilt					-		
1.04	1.20	1.47	2.24	2.72	2.94		
20° Tilt							
1.40	1.40	1.83	2.60	3.46	3.66		
30° Tilt							
2.00	2.00	2.43	3.20	4.08	4.86		
45° Tilt					,		
2.76	2.76	3.19	3.96	5.36	6.38		
60° Tilt							
3.34	3.34	3.77	4.54	6.22	7.54		
70° Tilt							
3.60	3.60	4.03	4.80	6.22	8.06		
80° Tilt		1	1		1		
3.74	3.74	4.17	4.94	6.22	8.34		
90° Tilt	1	1	1	1	1		
3.77	3.77	4.21	4.97	6.22	8.42		

STELLAR PRO Parking Lot and Area Light

PRODUCT CODE

Example Stellar Pro 120 cat. 60.T2-3+BL.22.BR.SLA+RA.MS

Model No	Wattage (W)	Distribution	CCT (°K)	Finish	Accessories	Control
	60 - 60W/9,600 lms 80 - 80W/12.800 lms	T2 - Type 2 50/50°	22 - 2200K 30 - 3000K	BR - Bronze BK - Black	SLA - 2.36" Slipfitter SLB - 1.97" Slipfitter	MS - Motion Sensor
Stellar Pro 480 277-480V	100 - 100W/16,000 lms	T3-3 - Type 3 30/30° T3-5 - Type 3 50/50°	40 - 4000K	W - White	SLC - 1.57" Slipfitter	PE - Photocell DIM - 0-10v
	120 - 120W/19,200 lms 150 - 150W/24,000 lms	T4-3 - Type 4 30/30° T4.5 - Type 4 50/50°	50 - 5000K 57 - 5700K	G - Gray	RP - Round Pole Bracket SP - Square Pole Bracket	Dimming AL - Airlink
	200 - 200W/32,000 lms 240 - 240W/38,400 lms	T5-3 - Type 5 30/30° T5-5 - Type 5 50/50°			TM - Trunnion Mount +RA - Retrofit Attachment	0 - None
	320 - 320W/51,200 lms 400 - 400W/64,000 lms	+BL - 5° Backlight Addon				

500 - 500W/80,000 lms

600 - 600W/90,000 lms

Universal Mounting Bracket

Any Pole. Any Time. An innovative solution to a common problem, Sunled's patented Universal Mounting System allows for installation of Stellar Series and most other competitor luminaires on existing poles with no drilling or modifications. This considerably reduces construction costs, enabling a quick and easy outcome with minimal hassle

Fast Facts

- + Fits all Sunled pole fixtures and common competitor drilling patterns
- + Enables easy single person no drill retrofit lighting installation on existing poles
- + Available in Bronze, Gray, Black and White finishes to match most poles and luminaire housings
- + Suitable for use on both square and round poles

Key Features

- + Key patented design eliminates the need for drilling, measuring or unwanted holes during lighting retrofits
- + Easy fit 2 hole mounting bracket suitable for one person installations
- + Vibrated tested to 1.6 G





Bracket With Adaptor For existing hole patterns of retrofit installations



Fixed Luminaire To Bracket Universal mount for new or retrofit installations

Learn more about our lighting solutions at www.sunledind.com





Applications: Parking lots, general area lighting, sporting facilities, roadway, car dealerships

PERFORMANCE SUMMARY

The modern styling of the Eagle Series is striking yet unobtrusive — making a bold and contemporary statement even as it blends elegantly with its environment. The Eagle Series instills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance available in 4 IES distributions, results in sites with excellent uniformity, greater pole spacing and lower power density for a wide range of applications

Construction

- · Aesthetically refined housing suitable for retail and commerical settings
- Weathertight IP65 sealed lens and PC diffuser
- Heavy duty die cast aluminium alloy construction
- Direct, yoke or slipfitter adjustable mount attachements, adaptable to a wide range of project applications
- DLC Premium 5.1 qualified product

Optics

- Adjustable lens can be rotated left or right 90 and 180°
- Available in 4 professional distributions T2/T3/T4/T5
- Exceptional operating efficiency of 145lm/W

Electrical

- High efficiency LED Driver, with wide range input voltage AC100-277V (1-10VDC Dimmable)
- Optional twistlock photocell and microwave sensor control
- 10kV built in surge protection

Specification

Volts: AC100-277V Average Rated Life: L70 at 50,000hrs CRI: >RA70 Impact Rating: IK08 Environment Location: IP65 Surge: 6kV line-line, 10kV line earth Ambient Temp: -22°F to 113°F PF: >0.9

PRODUCT CODE

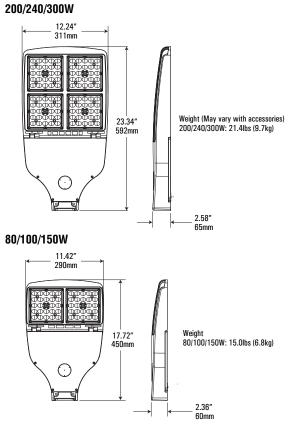
Example Eagle Eye cat. 100T2345GGSLRC

300 - 300W/42,000 lms

Model No	Wattage (W)	Distribution	CCT (°K)	Finish	Bracket	Control
Eagle Eye	80 - 80W/11,600 lms	T2 - Type 2	345 - CCT	BR - Bronze	SL - Slipfitter	PE - Photocell
	100 - 100W/14,500 lms 150 - 150W/21,000 lms 200 - 200W/29,000 lms	T3 - Type 3 T4 - Type 4 T5 - Type 5	Tunable 3000/4000/5000 3 - 3000 4 - 4000	BK - Black GG - Gray	DM - Direct Mount YM - Yoke DA - Direct Mount	MS - Motion Sensor RC - Remote
	240 - 240W/34,800 lms	10 19900	4 - 4000 5 - 5000		Adjustable	Control 0 - None



DIMENSIONS



EAGLE EYE

Parking and Area Luminaire

EPA SQ.FT

Confi	guration	80/100/150W	200/240/300W
•-	1	0.5	0.63
∎-•-⊞	2x180°	1.0	1.26
*	2x90°	0.77	0.82
	3x90°	1.27	1.44
**	3x120°	0.93	1.26
■	4x90°	1.27	1.44

MOUNTING OPTIONS



SL Slipfitter



DM **Direct Mount**

Direct Mount

Motion Sensor

Adjustable

DA

MS



YΜ Yoke Mount

CONTROL



88888

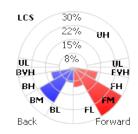
PE Photocell

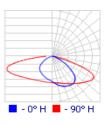




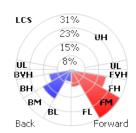
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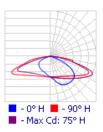
Type 2 (T2)



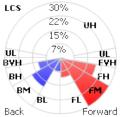


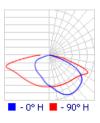
Type 3 (T3)



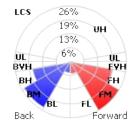


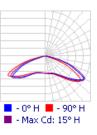
Type 4 (T4)





Type 5 (T5)







Applications: Parking lots, general area lighting, sporting facilities, roadway, car dealerships

PERFORMANCE SUMMARY

The Condor family was designed to provide maximum illumination in the target area for the lowest possible price. With a long life, it will not only save you money up front but also on maintenance costs for years to come.

Every Condor area product can be fitted with multiple brackets and arms making an effortless one step installation in any application

Features

- Available with 9 lumen packages in 6 different distributions
- High output 140lm/W operating efficiacy
- Designed to acheive uniformity of light keeping consistent 4Fc over 1600sqft area
- Aerodynamic shape and slimline design reduce wind drag making it suitable for installation in harsh conditions
- Multiple mounting options including square/round pole, slipfitter, bracket and wall mount enabling seamless retrofit applications
- DLC Premium 4.3 qualified product
- Premium driver featuring optional 0-10v dimming and 10kV surge protection
- Patented cooling fin provides excellent thermal dissipitation for extremely long operational hours

Specification

Volts: AC100-277V Surge: Line to gnd-10kV Average Rated Life: 50,000hrs CRI: RA80 PF: 0.95 THD: <15% Environment Location: IP65 Impact Rating: IK08 Ambient Temp: -40°F to 131°F

PRODUCT CODE

Example Condor HP cat. 60.57.3M+HSS.WB.DIM.BR

Model No	Wattage (W)	CCT (°K)	Distribution	Mounting	Control	Finish
Condor HP	60 - 60W/7,800 lms	3 - 3000	92 - 90°x120°	SL - 60mm Slipfitter	MS - Motion	BR - Bronze
	80 - 80W/11,200 lms	4 - 4000	2M - Type 2M	RP - Round Pole Bracket	Sensor	BK - Black G - Gray
	100 - 100W/14,000 lms	5 - 5000	3M - Type 3M	SP - Square Pole Bracket	PE - Photocell DIM - 0-10v Dimming DMX - DMX	
	150 - 150W/21,000 lms	57 - 5700	3S - Type 3S	WB - Wall Bracket		
	185 - 185W/25,160 lms	65 - 6500	4M - Type 4M	AB - Adjustable Bracket		
	240 - 240W/28,800 lms		5M - Type 5M	PB - Pole Bracket	DLI - Dali	
	300 - 300W/41,400 lms		+HSS - House Side		0 - None	
	400 - 400W/56,000 lms		Shield		0 - NOTIE	
	500 - 500W/68,000 lms					

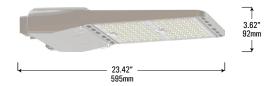


DIMENSIONS

400-500W



240-300W



60-185W



CONDOR HP

Parking Lot and Area Light

EPA SQ.FT

	Configuration	60/80/100/150/185W	240/300W	400/500W
•-	1	0.23	0.42	0.58
■+■	2x180°	0.46	0.84	1.16
1	2x90°	0.30	0.55	0.75
R T-R	3x90°	0.53	0.96	1.33
*	3x120°	0.46	0.84	1.16
=	4x90°	0.53	0.96	1.33

MOUNTING



SP Pole Bracket



AB Adjustable Bracket



SB Square Pole Bracket



RP Round Pole Bracket



SL 60mm Slipfitter



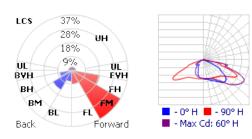
WB Wall Bracket

CONDOR HP

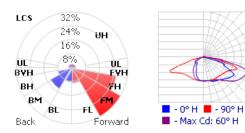
Parking Lot and Area Light

PHOTOMETRICS

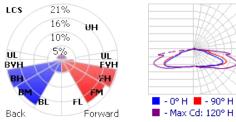
Type 3S (3S)

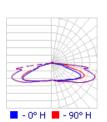


Type 4M (4M)

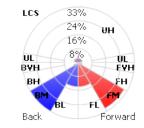


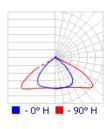
Type 5M (5M)



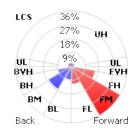


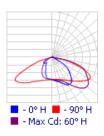
90°x120° (92)



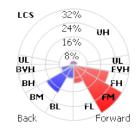


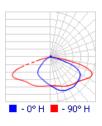
Type 2M (2M)





Type 3M (3M)





Roadway

Roadway lighting is usually a large investment for municipal or large scale commercial projects. With Sunled's range of area lighting products premium performance doesn't come at a premium price.

Our multiple choices of IES distributions and outputs can fully transform a site with exactly the right amount of lighting

A DESCRIPTION OF THE PARTY OF



Applications: Roadways, parking lots, municipal streets, highways, off-ramps, causeways, general area spaces

PERFORMANCE SUMMARY

The Cobra Roadway fixture from Sunled provides the latest LED performance advantages in a familiar yet refined street Cobra shape available at up to 38.000Lms

With its modular optic construction the Cobra can be for be tailored to illumination of highways, municipal streets or interior roadways while maintaining code compliance with 5 expertly designed IES distributions. Our accessory base features include bird spikes. 5° backlight shields, left and right side throw lens and industry leading surge protection all in an elegant and powerful design

Construction

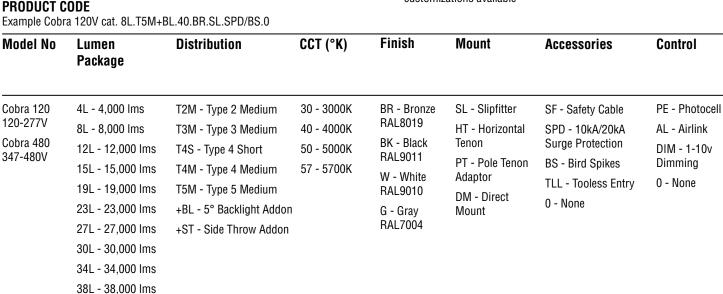
- Clean lines provide modern dayform and reduced EPA load
- Utility friendly tool less option enables quick and safe installation reducing time on pole or in bucket
- Heavy duty die cast aluminum housing (IP67)
- Modular design allows for easy installation, replacement and maintenance.
- Centralised flow-through convection system, pulls heat off both the optics . and driving housing
- IK08 rated lens and body

Optics

- Engineered distributions for roadways, residential streets, parking lots and causeways
- CRI80 LED optics constructed of durable optical polycarbonate resistant to degradation or abrasion
- Steel plate between optics and driver compartment adds protection to the light engine and prolongs LED life

PRODUCT CODE

Example Cobra 120V cat. 8L.T5M+BL.40.BR.SL.SPD/BS.0



xxL - Custom



Specification					
Lumen Package	4,000 - 38,000				
Wattage Range	30 - 280				
Efficacy Range	130 - 135				
Weight lbs (kg)	13.51 (6.13) - 30.27 (13.37)				

Electrical

- Each PCB is fitted with 20kV/10kA Voltage Suppressors as per ANSI/IEEE C62.41.2-2002 TVS to protect the LEDs from surges and other transient events.
- 120-277VAC or 347-480VAC
- Average rated life L70/L90: >200,000H/>60,000H
- Premium LEDs, driver and components with MOLEX and WAGO connectors
- PF: > 0.95 THD: <20%
- Operating Temperature: -40°F to 131°F

Finish

- Corrosion resistant 100µm high temperature polyester powder coat
- 1000hr salt spray certification as per ASTM B117/ ISO 9227:2012.
- Standard RAL colors Grey, Black, Bronze and White with any RAL customizations available

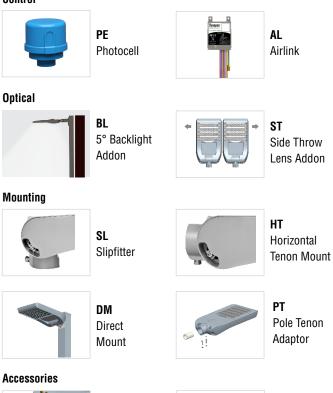
COBRA LED Roadway Luminaire

PERFORMANCE

Lumen	System	Drive			Initial Deliv	vered Lumens ¹	Efficacy
Package	Watts	Current	LED Modules	LED Count	3000K	4000/5000K	LPW
4L	31	530mA	1	18	3,627	4,030	130
8L	61	530mA	2	36	7,247	8,052	132
12L	87	530mA	3	54	10,571	11,745	135
15L	110	530mA	4	72	13,365	14,850	135
19L	141	530mA	5	90	17,132	19,035	135
23L	172	530mA	6	108	20,898	23,220	135
27L	202	530mA	7	126	24,543	27,270	135
30L	228	530mA	8	144	27,702	30,780	135
34L	256	530mA	9	162	31,104	34,560	135
38L	283	530mA	10	180	34,385	38,205	135

1Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered

OPTIONS Control







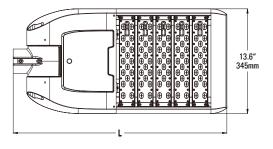


BS Bird Spikes

HEALT

DIMENSIONS

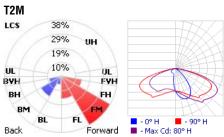
LED Count	Dim. "L"	Weight	EPA
18	18.23" (463mm)	13.51 lbs. (6.13kg)	0.72
36	20.59" (523mm)	15.63 lbs. (4.93kg)	0.783
54	22.95" (583mm)	17.68 lbs. (8.02kg)	0.846
72	25.31" (643mm)	19.20 lbs. (8.71kg)	0.912
90	27.68" (703mm)	20.88 lbs. (9.47kg)	0.977
108	30.04" (763mm)	24.21 lbs. (10.98kg)	1.046
126	32.40" (823mm)	25.62 lbs. (11.62kg)	1.115
144	34.76" (883mm)	27.32 lbs. (12.39kg)	1.184
162	37.13" (943mm)	28.79 lbs. (13.06kg)	1.254
180	39.49" (1003mm)	30.27 lbs. (13.37kg)	1.325

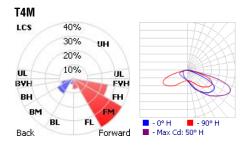




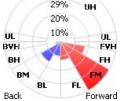
COBRA LED Roadway Luminaire

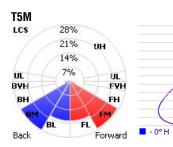
PHOTOMETRICS

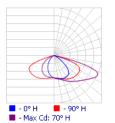




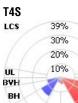








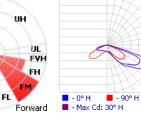
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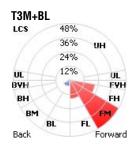


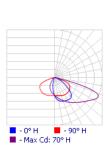
BL

BM

Back





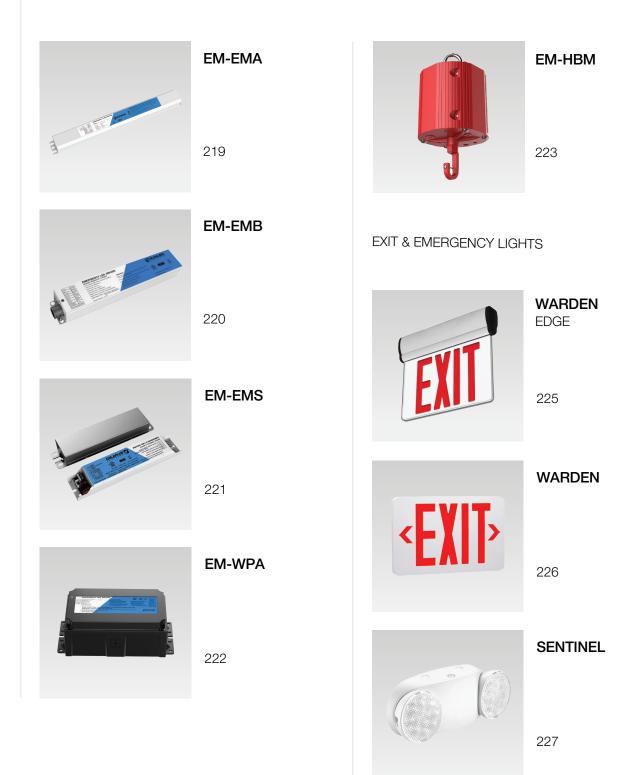




9 Life Safety

9 LIFE SAFETY

EMERGENCY LED DRIVER



Emergency LED Driver

Our range of emergency drivers are standalone units that enable any fixture to be converted into an emergency egress or life safety solution. With simple factory or field installation the emergency driver is activated in an event of power loss ×.

Combining constant current power supply and self-testing diagnostic system Sunled's series of emergency LED drivers provides versatility for a variety of applications



Applications: Backlit panels, troffers and downlights

PERFORMANCE SUMMARY

The EM-EMA series emergency LED driver is for field and factory installation that allows any Sunled 0-10V dimmable fixture to be used for both normal and emergency operation.

The unit contains a battery charger and inverter that operates a load of 8W or 18W with constant power at a rated output voltage of 170VDC. The patented constant power circuitry of the module maintains uninterrupted illumination levels during power failure

Features

- Constant power output in emergency mode
- Optimized for higher voltage LED luminaires with 170VDC driver input
- Self-sensing output voltage circuitry maximises product compatibility
- High temperature recyclable lithium battery technology for significantly decreased enclosure size and longer operational life
- Rated for use in plenums, damp locations, enclosed and gasketed fixtures

Self Diagnostic

The integrated self-diagnostic circuitry will automatically conduct 1 monthly 30 second and annual 90 minute tests to verify proper emergency capability per life safety code requirements NFPA 101 Life Safety Code outlines the following schedule:

Monthly

During AC mode, the system conducts a 30s self discharge test of the emergency LED driver every 30 days and automatically restores to normal charging after full discharge

Annually

During AC mode, the system conducts a 90 minute self discharge test of the emergency led driver every 365 days and automatically restores to normal charging after 30 seconds discharge

Operation

Normal Supply

During normal AC supply conditions the LED driver load will operate as usual and emergency driver remains in charging mode

Emergency Mode

When AC power fails the driver automatically switches to emergency mode, keeping the LED load illuminated at a reduced lumen output for a minimum of 90 minutes. During this time, the indicator will flash slowly (light on for 2 seconds, off for 2 seconds). When AC power is restored, it will return to charging mode and the indicator light remains on

Specification

Input Voltage: 120-347VAC 50/60Hz Input Power: 12W Max Output Voltage: 170VDC Output Power: 8,18W Power Factor: 0.85 EMI Radiated/Conducted: FCC Class A Charge and EM Modes Surge Protection: Meets ANSI/IEEE C62.41.2-2002 Emergency Operation: 90 minutes Charge Time: 24hr Recharge Ambient Temperature: Lithium -25°C to +40°C (-13°F to 104°F) Approval: cUL Listed for Factory and Field Installation



ORDERING CODE

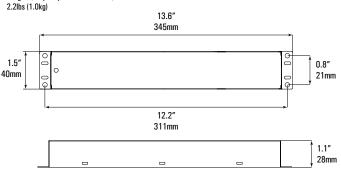
EM-EMA	cat. 18	ww			
EM-EMA	Emergency Series				
	EM-EMA	Integrated Emergency Driver			
18	Output				
	8	8W/170VDC			
		Up to 50W Driver			
	18	18W/170VDC			
		Up to 75W Driver			
WW	Test Switch				
	ww	Wired			
	WL	2.4GHz Remote			

Fixtu	re Driver	8W EMA	18W EMA
Non Dimmable	0-8W	Х	Х
NOIT DITITIADIE	8-18W		Х
0-10V Dimmable	8-50W	Х	Х
	18-75W		Х

NOTE – The emergency driver is not compatible with non-dimmable fixtures when the driver wattages is less than the fixture wattage. Refer chart above to avoid early failure not covered under warranty

DIMENSIONS

Weight: (May vary with accessories)





Applications: Linear highbays, high output troffers, panels and downlights

PERFORMANCE SUMMARY

The EM-EMB series emergency LED driver is for field and factory installation that allows up to 300W high output Sunled 0-10V dimmable fixtures to be used for both normal and emergency operation

The unit contains a battery charger and inverter that operates a load of 15W, 25W or 40W with constant power at a rated output voltage of 170VDC. The patented constant power circuitry of the module maintains uninterrupted illumination levels during power failure

Features

- Increased backup illumination for high output fixtures
- Optimized for higher voltage LED luminaires with 170VDC driver input
- Self-sensing output voltage circuitry maximises product compatibility
- High temperature recyclable lithium battery technology for significantly decreased enclosure size and longer operational life
- Rated for use in plenums, damp locations, enclosed and gasketed fixtures

Self Diagnostic

The integrated self-diagnostic circuitry will automatically conduct 1 monthly 30 second and annual 90 minute tests to verify proper emergency capability per life safety code requirements. NFPA 101 Life Safety Code outlines the following schedule:

Monthly

During AC mode, the system conducts a 30s self discharge test of the emergency LED driver every 30 days and automatically restores to normal charging after full discharge

Annually

During AC mode, the system conducts a 90 minute self discharge test of the emergency led driver every 365 days and automatically restores to normal charging after 30 seconds discharge

Operation

Normal Supply

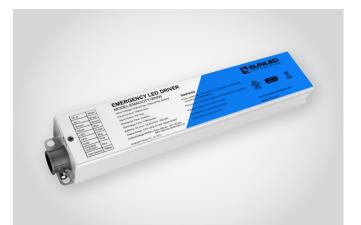
During normal AC supply conditions the LED driver load will operate as usual and emergency driver remains in charging mode

Emergency Mode

When AC power fails the driver automatically switches to emergency mode, keeping the LED load illuminated at a reduced lumen output for a minimum of 90 minutes. During this time, the indicator will flash slowly (light on for 2 seconds, off for 2 seconds). When AC power is restored, it will return to charging mode and the indicator light remains on

Specification

Input Voltage: 120-347VAC 50/60Hz Input Power: 12W Max Output Voltage: 170VDC Output Power: 15,25,40W Power Factor: 0.85 EMI Radiated/Conducted: FCC Class A Charge and EM Modes Surge Protection: Meets ANSI/IEEE C62.41.2-2002 Emergency Operation: 90 minutes Charge Time: 24hr Recharge Ambient Temperature: Lithium -25°C to +40°C (-13°F to 104°F) Approval: cUL Listed for Factory and Field Installation



ORDERING CODE

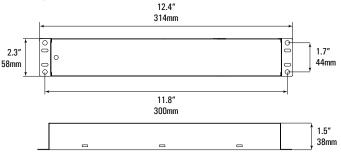
EM-EMB	cat. 15	WW			
EM-EMB	Emergency Series				
	EM-EMB	High Output Emergency Driver			
15	Output				
	15	15W/Up to 80W Driver			
	25	25W/Up to 150W Driver			
	40	40W/Up to 300W Driver			
WW	Test Switch				
	ww	Wired			
	WL	2.4GHz Remote			

Fixture Dr	15W EMB	25W EMB	40W EMB	
	0-15W	Х	Х	Х
Non Dimmable	0-25W		Х	Х
	0-40W			Х
	0-80W	Х	Х	Х
0-10V Dimmable	0-150W		Х	Х
	0-300W			Х

NOTE – The emergency driver is not compatible with non-dimmable fixtures when the emergency wattage is less than the fixture wattage. Refer chart above to avoid early failure not covered under warranty

DIMENSIONS

Mounting Center 11.8" (300mm) Flexible Conduit: 13.0" (330mm) Weight: (May vary with accessories) 2.6lbs (1.2kg)





Applications: Canopy, indoor and Outdoor linear, Wallpack

PERFORMANCE SUMMARY

The EM-EMS series emergency LED driver is for field and factory installation. It's small size and split battery allows integral installation in most Sunled 0-10V dimmable fixtures for both normal and emergency operation.

This unit contains a battery charger and inverter that operates a load of 8W or 18W with constant power at a rated output voltage of 170VDC. The patented constant power circuitry of the module maintains uninterrupted illumination levels during power failure

Features

- Constant power output in emergency mode
- Split two piece design with smaller dimensions for integral enclosures
- · Self-sensing output voltage circuitry maximises product compatibility
- High temperature recyclable lithium battery technology enables significantly decreased enclosure size and longer operational life
- Quick connect junction box on driver side reduces installation time

Self Diagnostic

The integrated self-diagnostic circuitry will automatically conduct 1 monthly 30 second and annual 90 minute tests to verify proper emergency capability per life safety code requirements NFPA 101 Life Safety Code outlines the following schedule:

Monthly

During AC mode, the system conducts a 30s self discharge test of the emergency LED driver every 30 days and automatically restores to normal charging after full discharge

Annually

During AC mode, the system conducts a 90 minute self discharge test of the emergency led driver every 365 days and automatically restores to normal charging after 30 seconds discharge

Operation

Normal Supply

During normal AC supply conditions the LED driver load will operate as usual and emergency driver remains in charging mode

Emergency Mode

When AC power fails the driver automatically switches to emergency mode, keeping the LED load illuminated at a reduced lumen output for a minimum of 90 minutes. During this time, the indicator will flash slowly (light on for 2 seconds, off for 2 seconds). When AC power is restored, it will return to charging mode and the indicator light remains on

Specification

Input Voltage: 120-347VAC 50/60Hz Input Power: 7W Max Output Voltage: 170VDC Input Current: 100mA Output Power: 8,18W Power Factor: 0.85 EMI Radiated/Conducted: FCC Class A Charge and EM Modes Surge Protection: Line-Neutral 3kV Emergency Operation: 90 minutes Charge Time: 24hr Recharge Ambient Temperature: Lithium 5°C to +50°C (41°F to 122°F) Approval: cUL Listed for Factory and Field Installation



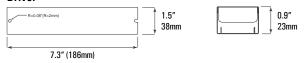
ORDERING CODE

EM-EMS	cat. 18	ww			
EM-EMS	Emergency Series				
	EM-EMS	Integrated Emergency Driver			
18	Output				
	8	8W/170VDC			
		Up to 100W Driver			
	18	18W/170VDC			
		Up to 200W Driver			
WW	Test Swi	tch			
	ww	Wired			
	WL	2.4GHz Remote			

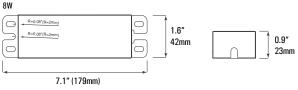
DIMENSIONS

Weight: (May vary with accessories) 1.3lbs (0.6kg)

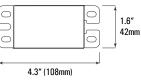
Driver



Battery



18W





Applications: Canopy fixtures, wallpacks, general external lighting, public spaces, high vandal areas

PERFORMANCE SUMMARY

The EM-WPA series emergency LED driver from is for field and factory installation that allows any Sunled 0-10V dimmable fixture to be used for both normal and emergency operation.

The unit contains a battery charger in IP67 sealed polycarbornate enclosure and inverter that operates a load of 8W, 18W or 30W with constant power at a rated output voltage of 170VDC. The patented constant power circuitry of the module maintains uninterrupted illumination levels during power failure

Features

- UL 924 Listed for U.S. and Canada
- Constant power output in emergency mode
- One piece design with IP67 vandal resistant polycarbonate housing
- Long-life, maintenance-free, high temperature recyclable Lithium Battery
- Rated for use in plenums, damp locations, enclosed and gasketed fixtures

Self Diagnostic

The integrated self-diagnostic circuitry will automatically conduct 1 monthly 30 second and annual 90 minute tests to verify proper emergency capability per life safety code requirements NFPA 101 Life Safety Code outlines the following schedule:

Monthly

During AC mode, the system conducts a 30s self discharge test of the emergency LED driver every 30 days and automatically restores to normal charging after full discharge

Annually

During AC mode, the system conducts a 90 minute self discharge test of the emergency led driver every 365 days and automatically restores to normal charging after 30 seconds discharge

Specification

Input Voltage: 120-347VAC 50/60Hz Input Power: 120-347VAC 7W Max Output Voltage: 170VDC Output Power: 8,18,30W Power Factor: 0.85 EMI Radiated/Conducted: FCC Class A Charge and EM Modes Surge Protection: Line-Neutral 3kV Emergency Operation: 90 minutes Charge Time: 24hr Recharge Ambient Temperature: 0°C to +50°C (30°F to 122°F) Approval: cUL Listed for Factory and Field Installation

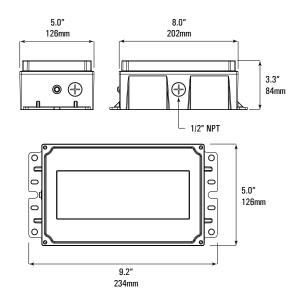


ORDERING CODE

EM-WPA	Emergen	Emergency Series		
	EM-WPA	External Emergency Driver		
18	Output			
	8	8W/170VDC		
		Up to 100W Driver		
	18	18W/170VDC		
		Up to 200W Driver		
	30	30W/170VDC		
		Up to 300W Driver		
WW	Test Swi	Test Switch		
	ww	Wired		
	WL	2.4GHz Remote		

DIMENSIONS

Weight: (May vary with accessories) 3.7lbs (1.7kg)





Applications: Round and linear suspended highbays

PERFORMANCE SUMMARY

LED Emergency Battery Backup for Sunled round or linear highbay lights. This emergency power supply provides up to 90 minutes of backup power in the case of power loss and emergency.

25 or 40W 120-347VAC input emergency battery backup inverter with 170VDC output. This compact design is a contractor favorite featuring a quick and easy installation with a single junction both for mains and backup power

Features

- Single input mains services both normal and emergency output
- Constant power output in emergency mode.
- One piece design with IP65 steel housing
- 2 in 1 waterproof LED test switch and indicator light included, 2.4G wireless mode as optional
- Evaluated to UL 924 requirements

Operation

Normal Supply

During normal AC supply conditions the LED driver load will operate as usual and emergency driver remains in charging mode

Emergency Mode

When AC power fails the driver automatically switches to emergency mode, keeping the LED load illuminated at a reduced lumen output for a minimum of 90 minutes. During this time, the indicator will flash slowly (light on for 2 seconds, off for 2 seconds). When AC power is restored, it will return to charging mode and the indicator light remains on

Emergency Indicator

Status and the indicator light remain on when supply is healthy. When test button is pressed, the driver will switch into emergency mode at a reduced lumen output for 30 seconds. During this time the indicator will flash slowly and recover into normal AC operation after 30 seconds

Self Diagnostic

The contain a control/monitor circuit which will perform a 30-second discharge test once a month and a full 90-minute discharge test once a year. At this time, the unit simulate an AC power failure and automatically switch to emergency mode.During routine testing, the unit will monitor the operation of the LED load, battery voltage, and emergency duration, if the unit detect any problems, the indicator will flash quickly

Specification

Input Voltage: 120-347VAC 50/60Hz Input Power: 10W Max Output Voltage: 170VDC Output Current: 0.1A Power Factor: 0.85 EMI (Radiated and Conducted): FCC Class A Charge and EM Modes Surge protection: Meets ANSI/IEEE C62.41.2-2002 Approval: cUL Listed for Factory and Field Installation Emergency Operation: 90min Operating Temp: 23° to 131°F Battery: Li ION



ORDERING CODE

EM-HBM	cat. 25	ww	
	_		
EM-HBM	Emergen	cy Series	
	EM-HBM	Highbay Emergency	
25	Output		
	25	25W/170VDC	
		0-150W Driver	
	40	40W/170VDC	
		150-300W Driver	
WW	Test Switch		
	ww	Wired	
	WL	2.4GHz Remote	

Compliance

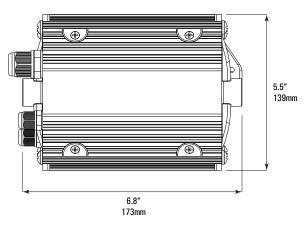
UL 924 Damp Location Listed NFPA 101 Life Safety Code NFPA 70 National Electrical Code

Illumination

EM-HBM provides 25W or 40W lumen output during emergency illumination for a minimum of 90 minutes.

DIMENSIONS

Weight: (May vary with accessories) 5.5lbs (2.5kg)



Emergency and Exit Lights

Ideal for everyday life safety signage and illumination applications, Sunled's emergency lighting solutions offer unsurpassed flexibility in commercial, industrial or institutional applications.

EXIT

EXIT

These models feature compact low profile designs, available in elegant slim line finishes and a fire rated construction that enhance any building décor.

WARDEN EDGE

Edgelit Exit Sign



Applications: Offices, classrooms, corridors, lobbies, indoor commercial spaces

PERFORMANCE SUMMARY

The range of Warden Edgelit exit signage solutions from Sunled combine a crystal clear lens panel, architectural styling and crisp illumination for maximum visibility when it matters most

As versatile as it is elegant, the Warden Edge series allows one sign for multiple mounting applications. Easy installation, quality construction and ultra-low profile make it an aesthetic addition for indoor commercial spaces requiring a minimalist appearance

Construction

- Aluminum housing with high grade acrylic panel
- 6" letter height with 3/4" stroke
- Field selectable chevron indicator inserts
- Single or double sided faceplate with universal j box mounting pattern
- Universal wall, sloped or standard ceiling and recessed mount
- Damp location listed
- Pictoral or lettered faceplate options in both red and green colors

Electrical

- High output LED COB at source
- Built in 4.8V 500mAh Ni-MH battery for 90 minutes emergency operation
- Test switch and indicator lamp
- UL 924, NEC, OSHA and NFPA 101 Life Safety Code
- Dual voltage input 120/277 VAC, 60Hz

Specification

Volts: Dual 120/277VAC Average Rated Life: 50,000hrs Environment Location: Damp Rated Ambient Temp: 32°F to 104°F Input Power: 2.5W Battery: NIckel Cadmium Output: 13Lm

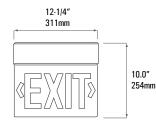


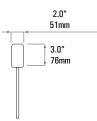
ORDERING CODE

EM-WEL	cat.	U	D	48
EM-WEL	Life Safe	ety Series		
	EM-WEL	. Edgelit Exit	t Sig	gn
	Face			
	L	Lettered		
	Р	Pictoral		
	Illumina	tion Color		
	R	Red		
	G	Green		
U	Installat	tion		
	U	Universal H	lous	sing
D	Voltage			
	D	Dual Voltaç	ge 1	20/277VAC 60Hz
48	Battery			
	48	4.8V 500m	Ah	90min

DIMENSION

Weight (May vary with accessories) 5.0lbs (2.3kg)









Applications: Offices, classrooms, healthcare, hospitality, retail, industrial or manufacturing

PERFORMANCE SUMMARY

The Sunled Warden Series is compact low profile remote LED exit sign featuring a premium fire rated construction, clean elegant lines and aesthetic application that enhance any building décor.

Ideal for everyday signage applications requiring elegant finishes and low energy consumption it offers unsurpassed flexibility in commercial, industrial or institutional applications. The emergency power provides 90 minutes of illumination in an event of power loss

Construction

- High grade injection moulded thermoplastic ABS housing
- 6" letter height with 3/4" stroke
- Field selectable chevron indicator inserts
- Single or double sided faceplate with universal j box mounting pattern
- Universal wall, sloped or standard ceiling mount
- Fire resistant UL-94V-0 NFPA flame retardant housing

Electrical

- High output internal LED COB
- Built in 1.2V 1000mAh Ni-MH battery for 90 minutes emergency operation
- Test switch and charge indicator lamp
- Dual voltage input 120/277 VAC, 50/60Hz
- Red or green lettered illumination

Specification

Volts: 120/277VAC 50/60Hz Average Rated Life: 50,000hrs Environment Location: Damp Rated Ambient Temp: 32°F to 104°F Power Consumption: 4.0W Max Battery: Nickel Cadmium Discharge Time: 90mins

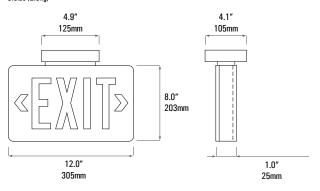


ORDERING CODE

EM-WAR	cat.	U D 12
EM-WAR	Life Saf	ety Series
	EM-WAF	R Exit Sign
	Face	
	L	Lettered
	Р	Pictoral
	Illumina	ation Color
	R	Red
	G	Green
U	Installat	tion
	U	Universal Housing
D	Voltage	
	D	Dual Voltage 120/277VAC 60Hz
12	Battery	
	12	1.2V 1000mAh 90min

DIMENSION

Weight (May vary with accessories) 5.0lbs (2.3kg)





Applications: Ideal for spaces requiring a compact emergency lighting unit at low to moderate mounting heights

PERFORMANCE SUMMARY

The Sentinel Series from Sunled is a UL924 listed emergency light suitable for applications such as stairways or exit egress corridors, maintaining backup power for a minimum of 90 minutes.

Fully adjustable dual lamp heads offer flexibility for safely illuminating small to medium spaces while its compact dimensions maintain a low profile appearance. Easy universal j-box mounting pattern and quick fit housing significantly reduce installation time

Construction

- High grade injection moulded thermoplastic ABS housing
- Mounting backplate with universal j box fixing pattern
- Wall or ceiling mount as standard
- Quickfit connector installation
- Damp location listed
- Fire resistant UL-94V-0 NFPA flame retardant housing
- Twin fully adjustable glare free mounting heads

Electrical

- High output twin lamp LED COB
- Built in 3.6V 1000mAh Ni-MH battery for 90 minutes emergency operation
- Test switch and charge indicator lamp
- Dual voltage input 120/277 VAC, 50/60Hz

Compliance

UL 924 Damp Location Listed NFPA 101 Life Safety Code NFPA 70 National Electrical Code NEC & OSHA

Specification

Volts: 120/277VAC 50/60Hz Average Rated Life: 50,000hrs Environment Location: Damp Rated Ambient Temp: 32°F to 104°F Power Consumption: 2.0W Max Output: 3.0W Battery: 3.6V Nickel Cadmium Discharge Time: 90mins



ORDERING CODE

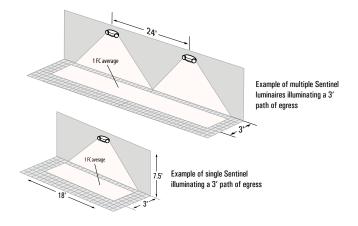
EM-STL	cat. U	D 36			
EM-STL	Life Safe	ety Series			
	EM-STL	LED Emergency Light			
U	Installation				
	U	Universal Housing			
D	Voltage				
	D	Dual Voltage 120/277VAC 60Hz			
36	Battery				
	36	3.6V 1000mAh 90min			

APPLICATION SPACING

Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc.

Assumes open space with no obstructions, mounting height of 7.5', ceiling height of 9' and reflectances of 80/50/20 on a 3' path.

Photometry files available on Sunled website





IP Rating

IP stands for Ingress Protection, it is rating system for how well protected a fixture is from liquids or foreign particles. The first number rating is solid objects and dust from 1 to 6 and second is the water protection rating, being 1 for slow dripping water to above 8 for a device that can be submerged.



Solids



0 Not protected

1



2 Protected against objects

larger than 12.5mm

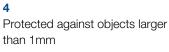
larger than 50mm



3 Protected against objects larger than 2.5mm

Protected against objects







5 Dust protected. Protects ingress of dust sufficient to cause harm



6 Dust tight. No ingress of dust



Liquids





Protected against dripping water

1



2 Protected against dripping water when tilted up to 15 degrees



3 Protected against spraying water at an angle of up to 60 degrees



4

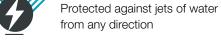


Protected against splashing water from any direction



5

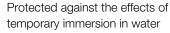
7



6

Protected against heavy seas and powerful jets of water







8

Protected against the effects of continuous immersion in water





IK Rating

The IK rating refers to impact protection. It is a 1 to 10 system with a higher number indicating a more robust product able to withstand a greater impact. For example IK10 can withstand a gallon tin of paint dropped on it from 1.6ft.

IK Code	Impact Energy (J)	Equivalent Impact
IK00	(no protection)	(no test)
IK01	0.14	Drop of 0.44lb object from 2.9"
IK02	0.2	Drop of 0.44lb object from 3.9"
IK03	0.3.5	Drop of 0.44lb object from 6.9"
IK04	0.5	Drop of 0.44lb object from 9.8"
IK05	0.7	Drop of 0.44lb object from 13.8"
IK06	1	Drop of 1.1lb object from 7.9"
IK07	2	Drop of 1.1lb object from 15.7"
IK08	5	Drop of 3.7lb object from 11.6"
IK09	10	Drop of 11.0lb object from 7.9"
IK10	20	Drop of 11.0lb object from 15.7"

Certification



ARRA means products thats are compliant for rebate with the American Recovery and Reinvestment Act



RoHS stand for Restriction of Hazardous Substances and restricts the use of hazardous materials in electronics



FCC Federal Decleration of Conformity is a certification mark on electronic products in compliance with the US federal communications commission



CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area



Title 24 means compliance with the California Building Standards commission regulations



TUV is an accredited third party inspection and certification body to construction products regulations



DLC Premium is a Design Lights Consurtium higher performance classification for luminaires and retrofit kits



DLC Design Lights consortium is a certification for compliance with minimum performance standards



Energy Star is a program run by the U.S. Environmental Protection Agency and U.S. Department of Energy that promotes energy efficiency



ETL Listed Mark, tested by Intertek and found in compliance with accepted national standards.



UL Listing means the meets UL's published and nationally recognized Standards for Safety.



Capable of producing multi color RGB light

CRI Scale



High CRI >80

Low CRI <80

Most Sunled lights score 80 or above.

CRI stands for Color Rendering Index. It's a test to see how well the light shows colours on a scale of 1 to 100. High CRI gives a more realistic color appearance so that apples appear properly red and everything looks bright and crisp. Low CRI gives a washed out appearance. A CRI score above 80 is very good and suitable for retail applications. Scores of 90 and above are for specialised industrial lighting and fine tuned commercial applications.

Luminous Efficiacy



Picking a fixture based on wattage does not imply the amount of light output

Wattage (W) represents the power consumed by the luminaire. The actual output of a lamp is measured in lumens (Im), the more lumens, the more light emitted by the luminaire.

The correct criteria for determining the efficiency of a light fixture is its lumens/Watt ratio, which represents how much light the fixture delivers versus what it consumes to perform. This value is called luminous efficacy

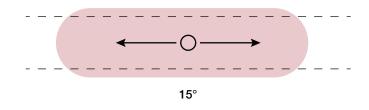
Lumens

Lumens are a measure of the quantity of visible light emitted. The more lumens, the more light. Watts refers to the amount of energy consumed. LEDs have dramatically improved the conversion of power (watts) into visible light (lumens). A 60W LED can emit at least five times as much light as an 60W incandescent bulb.

Lighting Distribution Types

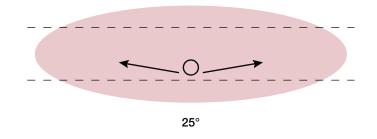
Type I Distribution—Is great for lighting walkways, paths and sidewalks. This type of lighting is meant to be placed near the center of the pathway. This provides adequate lighting for smaller pathways.

Type I is a two-way lateral distribution having a preferred lateral width of 15 degrees in the cone of maximum candlepower. The two principal light concentrations are in opposite directions along a roadway. This type is generally applicable to a luminaire location near the center of a roadway where the mounting height is approximately equal to the roadway width.



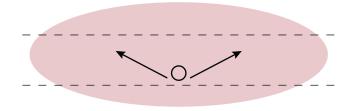
Type II Distribution—Is used for wide walkways, on ramps and entrance roadways, as well as other long, narrow lighting. This type is meant for lighting larger areas and usually is located near the roadside. You will find this type of lighting mostly on smaller side streets or jogging paths.

Type II light distributions have a preferred lateral width of 25 degrees. They are generally applicable to luminaires located at or near the side of relatively narrow roadways, where the width of the roadway does not exceed 1.75 times the designed mounting height.



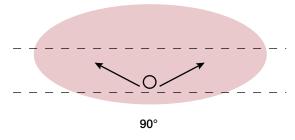
Type III Distribution—Is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.

Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.

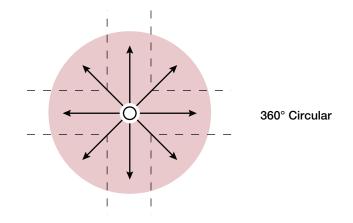


Type IV Distribution—Produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90 degrees to 270 degrees.

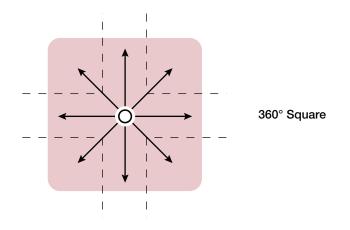
Type IV light distributions have a preferred lateral width of 60 degrees. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.



Type V Distribution—Produces a circular distribution that has the same intensity at all angles. This distribution has a circular symmetry of candlepower that is essentially the same at all lateral angles. It is intended for luminaire mounting at or near center of roadways, center islands of parkway, and intersections. It is also meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary



The Type VS Distribution—Produces a square distribution that has the same intensity at all angles. This distribution has a square symmetry of candlepower that is essentially the same at all lateral angles. It is intended for luminaire mounting at or near center of roadways, center is-lands of parkway, and intersections. It is also meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary. Type VS is used where the light pattern needs a more de-fined edge.





Hazardous Location

Classification

Hazardous locations of work are required to be made safe according to NEC/CEC electrical codes according to the area classification, substances used and likehood of an ignition producing explosion

Class I Gases, Vapors and Liquids

A Class I Location is created by the presence of flammable gases or vapors in the air in sufficient quantities to be explosive or ignitable. When these materials are found in the atmosphere, a potential for explosion exists if an electrical or other source of ignition is present

a spark or fi
Division 1
In which ign
operation co
maintenance
Division
Division 2
In which ign processed c closed syste accidental n

Typical Class II Locations
Grain elevators
Flour and feed mills;
Plants that manufacture, use or store magnesium or aluminum powders;
Producers of plastics, medicines and fireworks
Producers of starch or candies;
Fireworks manufacture and storage
Flour and feed mills

Class III Fibers and Flyings

This classification is created by the presence of easily ignitable fibers or flyings. Typically these fibers and flyings are not suspended in the air, but can collect around machinery or on lighting fixtures and where heat, a spark or hot metal can ignite them

Typical Class III Locations

Textile mills, cotton gins;

Petroleum refineries and gasoline storage and dispensing areas Plants that shape, pulverize or cut wood and create sawdust or flyings.

Flyers are not required to be airborne, they can be explosive substances which collect around machinery or light fixtures where a spark or fire can ignite and explosion

Division 1 Hazard Likely

In which ignitable concentrations of hazards exists under normal operation conditions and where hazard is caused by frequent maintenance or repair work or frequent equipment failure.

Division 2 Hazard Unlikely

In which ignitable concentrations of hazards are handled, processed or used, but which are normally in closed containers or closed systems from which they can only escape through accidental rupture or breakdown of such containers or systems.

Area Classification / By Divisions and Zones		
Continuous Hazard	Intermittent Hazard	Hazard Under Abnormal Conditions
Zone 0	Zone 1	Zone 0
	Division 1	Division 2

Groups A, B, C, D

Class I gas and vapors locations are further separated into 4 groups of materials A, B, C and D which graded by ignition temperature of the substance, explosion severity and other flammable parameters

Groups E, F, G

Class II dust locations are further separated into 3 groups, graded by the ignition temperature and conductivity of the hazardous material

Product Selection Guidelines

Select the correct fixture every time



Α

Choose a fixture that has the correct hazardous classification for the project requirement

Usually comprised of a Class, Division and Group

В

Confirm the t-number for selected fixture

Ensure specific wattage, beam angle, housing and mounting attachments have been selected from the datasheet or contact your local Sunled sales representative for further assistance

С

Refer table below for maximum allowable temperature of the hazardous material that is present

NFPA497M
Gas Ignition Temperature
Group E: 392°F (200°C)
Group F: 392°F (200°C)
Group G: 329°F (165°C)
Or ignition temperature from NEC

D

Refer table below. Ensure corresponding maximum temperature of t-number from the selected fixture in step B is more than that of the hazardous material maximum temperature of step C

- + If the fixture temperature is less than that of the material temperature fixture is not suitable
- + If the fixture temperature is more than that of the material temperature fixture safe for use

Fixture T-Number	Max Allowable Temperature
T1	842°F (450°C)
T2	572°F (300°C)
T2A	536°F (280°C)
T2B	500°F (260°C)
T2C	446°F (230°C)
T2D	419°F (215°C)
Т3	392°F (200°C)
ТЗА	356°F (180°C)
T3B	329°F (165°C)
T3C	320°F (160°C)
T4	275°F (135°C)
T4A	248°F (120°C)
Т5	212°F (100°C)
Т6	185°F (85°C)

T-Number Table



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