

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 dissipation 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%

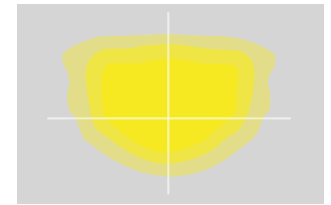


DISTRIBUTION

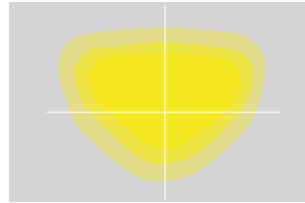
Type II 50/50°



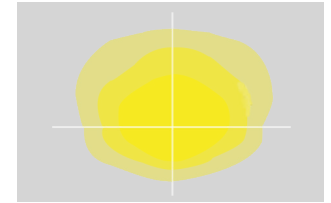
Type III 30/30°



Type III 50/50°



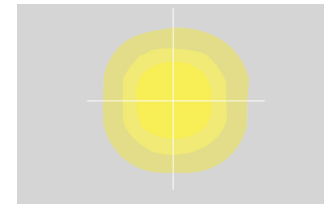
Type IV 30/30°



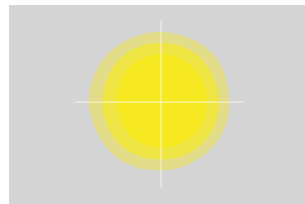
Type IV 50/50°



Type V 30/30°







Type V 50/50°






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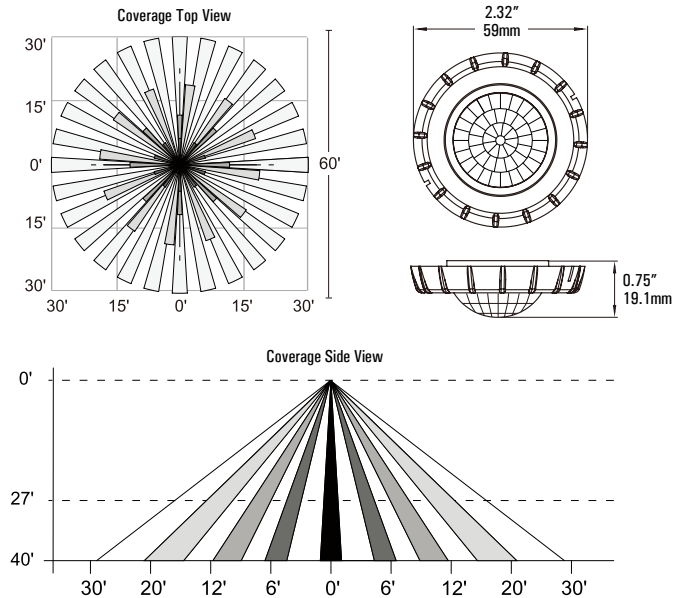
MOUNTING OPTIONS

	SLA 2.36" Slipfitter		SLB 1.97" Slipfitter
	SLC 1.57" Slipfitter		SP Square Pole Bracket
	RP Round Pole Bracket		TM Trunnion
	+RA Retrofit Attachment		

ACCESSORIES

	PE Photocell		MS Motion Sensor
	AL Airlink		+BL 5° Backlight Addon

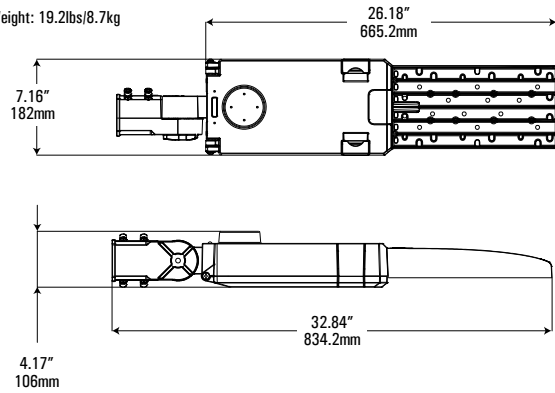
COVERAGE DIAGRAM



CONTROL

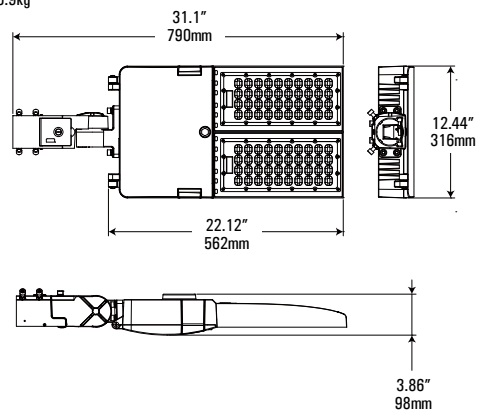
60/80/100W

Weight: 19.2lbs/8.7kg



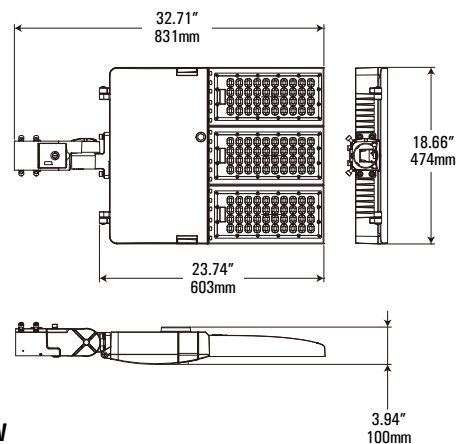
120/150/200W

Weight: 24.0lbs/10.9kg



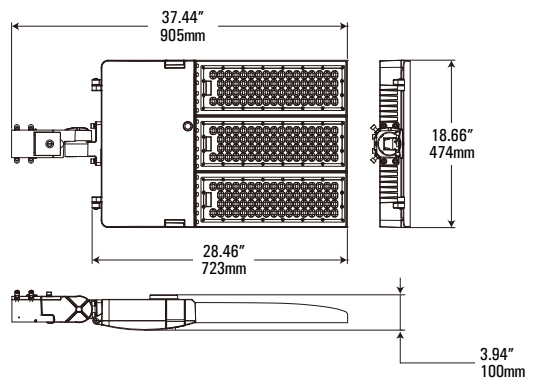
240/320W

Weight: 30.04lbs/13.8kg



400/500/600W







Weight: 37.0lbs/16.8kg









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EPA SQ.FT

Stellar 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						
						
0° Tilt						
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						
3.74	3.74	4.17	4.94	6.22	8.34	
90° Tilt						
3.77	3.77	4.21	4.97	6.22	8.42	



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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
Stellar Pro 120 120-277V	60 - 60W/9,600 lms	T2 - Type 2 50/50°	22 - 2200K	BR - Bronze	SLA - 2.36" Slipfitter	MS - Motion Sensor
	80 - 80W/12,800 lms	T3-3 - Type 3 30/30°	30 - 3000K	BK - Black	SLB - 1.97" Slipfitter	
Stellar Pro 480 277-480V	100 - 100W/16,000 lms	T3-5 - Type 3 50/50°	40 - 4000K	W - White	SLC - 1.57" Slipfitter	PE - Photocell DIM - 0-10v Dimming AL - Airlink 0 - None
	120 - 120W/19,200 lms	T4-3 - Type 4 30/30°	50 - 5000K	G - Gray	RP - Round Pole Bracket	
	150 - 150W/24,000 lms	T4.5 - Type 4 50/50°	57 - 5700K		SP - Square Pole Bracket	
	200 - 200W/32,000 lms	T5-3 - Type 5 30/30°			TM - Trunnion Mount	
	240 - 240W/38,400 lms	T5-5 - Type 5 50/50°			+RA - Retrofit Attachment	
	320 - 320W/51,200 lms	+BL - 5° Backlight Addon				
	400 - 400W/64,000 lms					
	500 - 500W/80,000 lms					
600 - 600W/90,000 lms						



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.

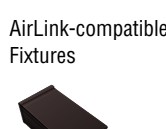
AirLink utilizes robust wireless communication via 2.4 GHz Self-Healing Mesh Network which not only increases reliability and accuracy of system, but also eliminates single point of failure.

The 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.

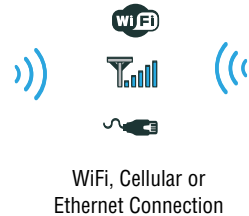
The AirLink System

Wireless controls & sensors

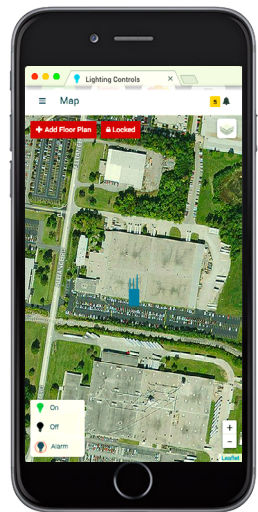


Circuit & Zone Controllers

Centralized control & integration



Simple-to-use software



AirLink Site Manger: Lighting control web app