COBRA

LED Roadway Luminaire

Applications: Roadways, parking lots, municipal streets, highways, off-ramps, causeways, general area spaces

PERFORMANCE SUMMARY

The Cobra Roadway fixture from Sunled provides all the latest in LED performance advantages in a familiar yet refined street Cobra shape available in 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 6 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

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)

Construction

- Contemporary simple lines provide an appealing dayform with a considerably 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 optics designed for roadways, residential streets, parking lots and causeways
- High uniformity CRI80 LED with lenses constructed of durable optical polycarbonate for optimum roadway visibility
- Additional steel plate provides added protection for the LED engine, prolonging fixture optical life.

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 voltage 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

PRODUCT CODE

Example Cobra 120V cat. 8L.T5M+BL.40.BR.SL.SPD/BS.0

Model No	Lumen Package	Distribution	CCT (°K)	Finish	Mount	Accessories	Control
Cobra 120 120-277V Cobra 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 T4S - Type 4 Short T4M - Type 4 Medium T5M - Type 5 Medium +BL - 5° Backlight Addon +ST - Side Throw Addon	30 - 3000K 40 - 4000K 50 - 5000K 57 - 5700K	BR - Bronze RAL8019 BK - Black RAL9011 W - White RAL9010 G - Gray RAL7004	SL - Slipfitter HT - Horizontal Tenon PT - Pole Tenon Adaptor DM - Direct Mount	SF - Safety Cable SPD - 10kA/20kA Surge Protection BS - Bird Spikes TLL - Tooless Entry 0 - None	PE - Photocell AL - Airlink DIM - 1-10v Dimming 0 - None

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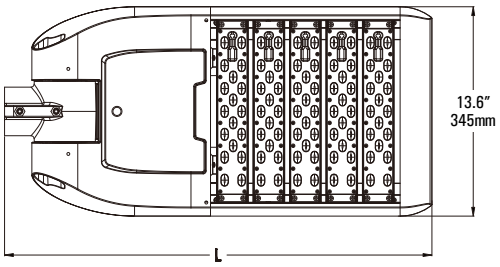
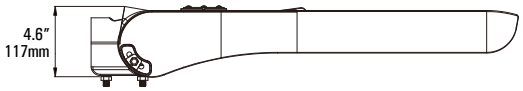
PERFORMANCE

Lumen Package	Delivered Lumens	Drive Current	LED Count	Wattage
4L	4030	530mA	18	31
8L	8052	530mA	36	61
12L	11,745	530mA	54	87
15L	14,850	530mA	72	110
19L	19,035	530mA	90	141
23L	23,220	530mA	108	172
27L	27,270	530mA	126	202
30L	30,780	530mA	144	228
34L	34,560	530mA	162	256
38L	38,205	530mA	180	283

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





OPTIONS

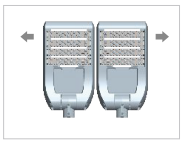
Control

PE
Photocell

AL
Airlink

Optical

BL
5° Backlight Addon



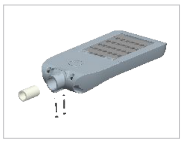
ST
Side Throw Lens Addon

Mounting

SL
Slipfitter

HT
Horizontal Tenon Mount

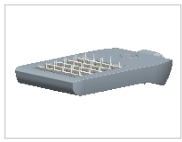
DM
Direct Mount



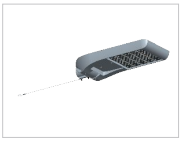
PT
Pole Tenon Adaptor

Accessories

TLL
Toolless Entry



BS
Bird Spikes



SF
Safety Cable

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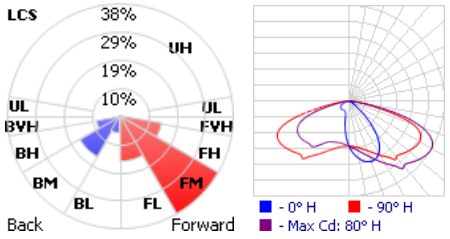
PHOTOMETRICS

T2M


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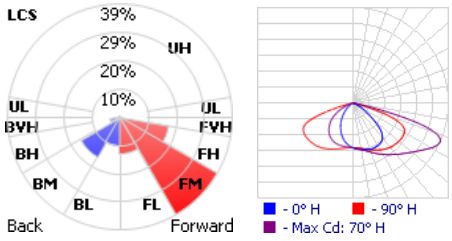

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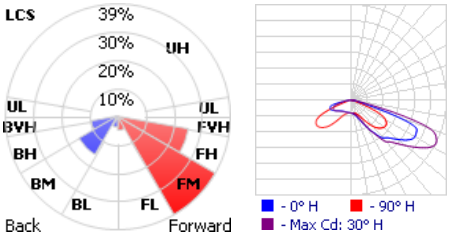

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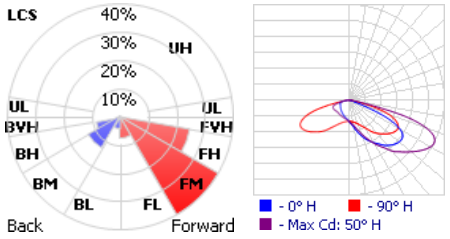

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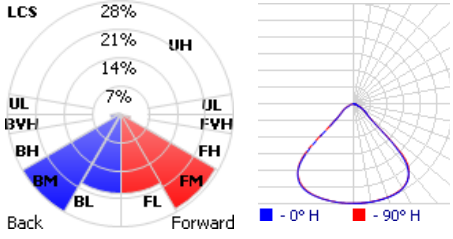
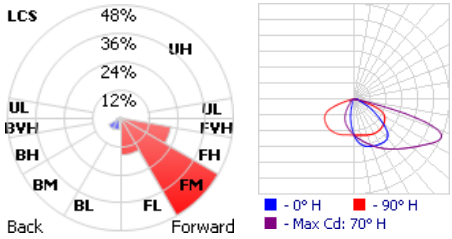


T3M+BL


AIRLINK

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

Wireless & Override Switches

Occupancy/Vacancy & Daylight Sensors

AirLink-integrated Fixtures

AirLink-compatible Fixtures

Circuit & Zone Controllers

Centralized control & integration

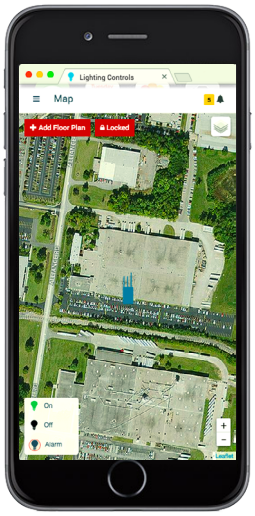
Site Manager Controller

Gateway Module

ASHRAE BACnet®

WiFi, Cellular or Ethernet Connection

Simple-to-use software



AirLink Site Manger: Lighting control web app