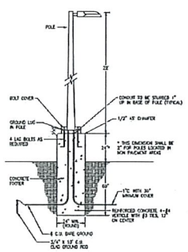
Current View



SITE LIGHT POLE MOUNTING DETAIL

NO SCALE

Lumark

Catalog #	PRV-A16-D-UNV-T2-SA-BZ-PERT
Project	
Comments	
Prepared by	

Type

Date

DESCRIPTION

The Prevail LED area, site luminaire combines optical performance, energy efficiency and long term reliability in an advanced, patent pending modular design. Utilizing the latest LED technology, the Prevail luminaire delivers unparalleled uniformity resulting in greater pole spacing. A variety of optics and distribution patterns are available to meet most area lighting needs. Its energy savings can be greater than 50% versus the Prevail Metal options 100-400W metal halide fixtures in general area lighting applications such as parking lots, walkways, roadways and building areas.

SPECIFICATION FEATURES

Construction
Construction is constructed of a heavy-duty, single piece die-cast aluminum housing. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. The die-cast aluminum door is tethered to provide easy access to the LED drivers when it is required. A one-piece silicone gasket seals the door to the fixture housing. The optics is mounted on a separate, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and 3G vibration rated (ANSI C136.31) to insure strength of construction and longevity in the selected application.

Optics
Precision molded, high efficiency optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. Available in Type II, III, IV and V distributions with turnon packages ranging from 6,100 to 19,200 nominal lumens. Light engine configurations consist of 1 or 2 High-efficiency LEDs mounted on a metal core board (MCB) and incorporate heat dissipation and promote long life (up to 100,000 hours at 25°C) per IESNA TM-21. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

Electrical
LED drivers are mounted to the fixture for optimal heat sinking and ease of maintenance. Thermal management incorporates both conduction and convection to transfer heat rapidly away from the LED source for optimal efficiency and light output. Class 1 electronic drivers are rated for operation from 0°C-40°C, and are rated at life hours ratings of 100,000 hours with <1% failure rate. And Ballasts 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV/10 kA surge protection standard. 0-10V dimming driver is standard with leads extended to the fixture to accommodate remote capability such as dimming and occupancy. Ballast is rated for extreme temperatures from -40°C and -40°F to 50°C and 122°F. High ambient available. Standard NEMA 3-R for cold weather photocontrol receptacle and NEMA 7-PR outdoor photocontrol receptacle are available as options.

Controls
The Prevail LED luminaire control options are designed to be simple and cost effective. Available are California Title 24 compliant solutions. The ANSI C136.41 receptacle NEMA 7-PR receptacle enables dimming when used with compatible photocontrol. An integrated dimming and occupancy sensor in a standalone control option available in 347 (MSP) and 10 level dimming (MS*1000) operation. The optional LumaWatt Pro system is land clear (lacks a point-to-point wireless network of luminaires) based stream that operate in semi-dense with program simple profiles. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication.

Mounting
Standard pole mount arm is bolted directly to the pole and the fixture clips onto the arm and latch in place with a bolt-free fitting quick and easy installation. The versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4 3/8". Removal of the door on the standard mounting arm enables easy access to the driver compartment. A knockout on the standard mounting arm enables round pole mounting. Wall mount and round arm mounting options are available. Mast arm adapter fits 2-3/8" O.D. tenons.

Finish
Housing and cast parts finished in five-stage super TGIC polyester powder coat paint. 3.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Additional colors available in white, gray, black, dark platinum and graphite metallic.

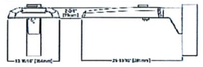
Warranty
Five-year warranty.

PRV PREVAIL

LED

AREA / SITE / ROADWAY LUMINAIRE

DIMENSIONS



CERTIFICATION DATA
UL and cUL Wet Location Listed
IP66 Rated
3G Vibration Rated
CSA Pending
DesignLights Consortium® Qualified*

ENERGY DATA
Electronic LED Driver
0.9 Power Factor
<9% Total Harmonic Distortion
120-277VAC 1.0 EPF,
347VAC, 480VAC
-40°C Minimum Temperature Rating
+50°C Ambient Temperature Rating

EPA
Effective Projected Area (Sq. Ft): 0.75

SHIPPING DATA
Approximate Net Weight:
28 lbs. (12.25 kgs)

EATON
Powering Business Worldwide

*www.DesignLights.org

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Schedule									
Symbol	Label	Manufacturer	Catalog Number	Description	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A 20'POLE , 3'BASE	EATON - LUMAXE (FORMER COOPER LIGHTING)	PRV-A15-D-UNV-T4-BZ-HSS	PREVAIL AREA AND ROADWAY LUMINAIRE (1) 70 CRI, 4000K LED AT 40% STANDARD LUMENS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	1	PRV-A15-D-UNV-T4-BZ-HSS.ies	5637	0.92	57
	C 20'POLE, 3'BASE	EATON - LUMAXE (FORMER COOPER LIGHTING)	PRV-A15-D-UNV-T3-BZ-HSS	PREVAIL AREA AND ROADWAY LUMINAIRE (1) 70 CRI, 4000K LED AT 40% STANDARD LUMENS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	1	PRV-A15-D-UNV-T3-BZ-HSS.ies	5639	0.92	57
	C-ARM 15'POLE , 3'BASE, 3'ARM	EATON - LUMAXE (FORMER COOPER LIGHTING)	PRV-A15-D-UNV-T3-BZ-HSS	PREVAIL AREA AND ROADWAY LUMINAIRE (1) 70 CRI, 4000K LED AT 40% STANDARD LUMENS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	1	PRV-A15-D-UNV-T3-BZ-HSS.ies	5639	0.92	57
	A-ARM 15'POLE, 3'BASE, 3'ARM	EATON - LUMAXE (FORMER COOPER LIGHTING)	PRV-A15-D-UNV-T4-BZ-HSS	PREVAIL AREA AND ROADWAY LUMINAIRE (1) 70 CRI, 4000K LED AT 40% STANDARD LUMENS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET	1	PRV-A15-D-UNV-T4-BZ-HSS.ies	5637	0.92	57

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Plan - Update(Copy)	+	1.0 fc	1.8 fc	0.3 fc	6.0:1	3.3:1

National Church Residences

NCR GAHANNA

3398 OLD RIDENOUR ROAD
GAHANNA, OHIO

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DESIGN DEVELOPMENT

DATE: 2019/03/18
PROJECT #: 18161

Site Photometrics

BERARDI+
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