

DESCRIPTION

The Aspen 1900-OA bollard features a sleek, contemporary aesthetic and low glare fixed optics. Lamp source selections include LED, incandescent PAR lamps or low voltage MR16 halogen lamps. Luminaires with a halogen source are available with an integral or remote 12V transformer option. Our patented LumaLevel™ leveling system provides quick installation, easy adjustment, secure mounting and protection from vibration. Aspen bollards are available in two standard heights of 24" [610mm] and 30" [762mm].

Catalog #	Type
Project	
Comments	Date
Prepared by	

SPECIFICATION FEATURES

Material

Mounting base and housing are precision-machined from corrosion-resistant 6061-T6 aluminum billet and extrusion.

Finish

Fixture and mounting base are double protected by a RoHS compliant chemical film undercoating and polyester powdercoat paint finish, surpassing the rigorous demands of the outdoor environment. Fixture housing is available in a variety of standard colors. Mounting base is painted black.

Lens

Lens is machined from solid U.V. stabilized clear acrylic and is designed to produce maximum

light output with low brightness.

Adjustable Mounting Base

Machined 6061-T6 aluminum mounting base assembly is equipped with the patented LumaLevel™ leveling system that includes mounting chassis, 70 shore neoprene base pad, stainless steel hardware and 3/4" conduit entry. The LumaLevel™ leveling system provides quick installation, easy adjustment, secure mounting and protection from vibration.

Anchor Bolts & Template

Three (3) 3/8" x 12" galvanized anchor bolts and a galvanized steel anchor bolt template are standard. Anchor bolts and template are available to ship in advance of fixture for rough-in purposes (specify option -LAB and order anchor bolts/template kit separately).

Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

Socket

PAR20: Ceramic socket with 250° C Teflon® coated lead wires and medium base. 50MR16: Ceramic socket with 250° C Teflon® coated lead wires and GU5.3 bi-pin base.

Electrical

20LED: 120-277VAC, 50/60Hz, rated for -40°C to +40°C [-40°F to 104°F] operation temperature. 50MR16: 12V transformer required (not included). Remote transformer is available from Lumière as an accessory - see the Accessories & Technical Data section of this catalog for details. 50MR16: XXX/12V includes integral electronic transformer - must specify voltage.

LED

LED light engine with integrated driver. Includes four (4) field-adjustable, pushbutton activated light level selections: 100%, 80%, 55%, or 18%. Available in 2700K, 3000K, 3500K and 4000K color temperatures at 80 CRI. Dimming: 120V Phase dimming at highest (100%) light level. 120-277V universal 0-10V dimming available at 100%, 80% and 55% light levels.

Lamp

Halogen or Incandescent lamp options available. Lamps not included. Sora lamp compatible.

Warranty

Lumière warrants its fixtures against defects in materials & workmanship for three (3) years for halogen and incandescent or five (5) years for LED. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.



ASPEN

1900-OA
LED
Halogen
Incandescent

APPLICATIONS:
OPEN APERTURE BOLLARD
ACCENT MARKER

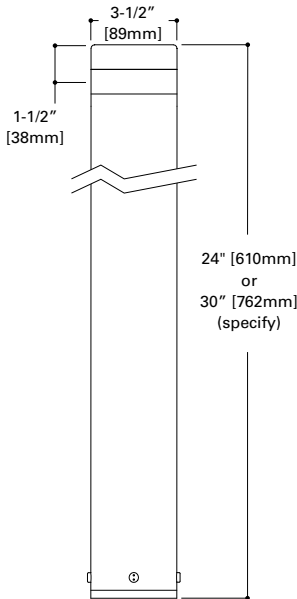


CERTIFICATION DATA

UL and cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
IP66 Ingressed Protection Rated

TECHNICAL DATA

20W LED, L70/60,000 hours
40°C Maximum Temperature Rating
50W (max.) MR16
Halogen | Low Voltage | Line Voltage
50W (max.) PAR20
Incandescent | Line Voltage



ORDERING INFORMATION

Sample Number: 1900-OA-24-50MR16-120/12-BZ-LAB

Series	Height	Source	Voltage	Finish	Options
1900-OA=Aspen Bollard Open Aperture	24=24" Nominal Height 30=30" Nominal Height	LED 20LED2715=20W LED, 2700K, 80CRI 20LED3015=20W LED, 3000K, 80CRI 20LED3515=20W LED, 3500K, 80CRI 20LED4015=20W LED, 4000K, 80CRI Halogen 50MR16=50W Max Halogen MR16, GU5.3 Base Incandescent 50PAR20=50W Max Halogen PAR20, Medium Base	LED UNV =120-277V (50-60Hz) Halogen (12V remote transformer) 12=12V Fixture (Remote Transformer Required - Order Separately) Halogen (integral transformer) 120/12=120V to 12V Integral Transformer 277/12=277V to 12V Integral Transformer Incandescent 120=120V	Painted BK=Black BZ=Bronze CS=City Silver VE=Verde WT=White	LAB =Less Anchor Bolts & Template (Requires Anchor Kit Be Ordered Separately)

ACCESSORIES

Anchor Bolts & Templates
7048PK= Anchor Bolt/Template Kit for 24" & 30" Aspen Bollards

PHOTOMETRY

LUMENS - CRI/CCT TABLE

CCT (K) / Color	CRI Minimum [Typical]	Light Level	Nominal Watts @120V [277V]	Delivered Lumens	lm/W
4000	80 [83] R9	100%	16.9 [19.6]	237	14.0
		80%	12.8 [14.6]	195	15.5
		55%	8.6 [10.1]	142	16.5
		18%	3.8 [4.4]	57	15.0

All specifications subject to tolerance of +/- 10%

LUMEN MAINTENANCE

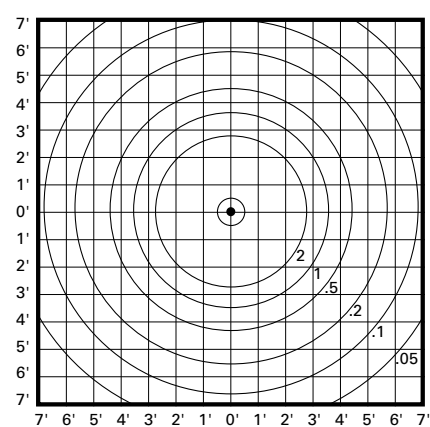
Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	TM-21 Reported L70(10k) (Hours)
25°C	> 85%	> 60,000
40°C		

CCT MULTIPLIER TABLE

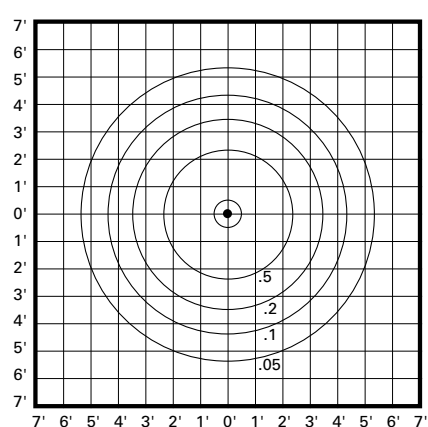
CCT(K) / COLOR	MULTIPLIER
2700K	0.922
3000K	0.953
3500K	0.992
4000K	1.000

Note: Multiplier can be used to calculate Lumens and footcandle (FC) values.

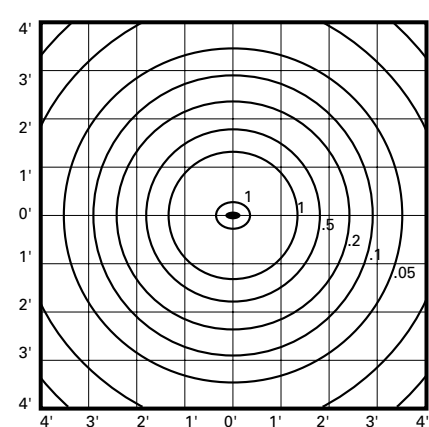
ISO-FOOTCANDLE PLOTS - 24" MOUNTING HEIGHT



FILE NAME: 1900-OA-24-20LED4015-UNV-BK.ies
LAMP: LED MODULE -TLM-R20A-A124015, 4000K
LUMENS: 1280 (module lumens)
WATTS: 15.7
TEST NO: P189461



FILE NAME: 1900-OA-24-50PAR20-120-BK.ies
LAMP: INCANDESCENT 50W PAR20 - 10°
LUMENS: 530
WATTS: 50
TEST NO: P189462



FILE NAME: 1900-OA-24-50MR16.ies
LAMP: HALOGEN 50W MR16 - 10°
LUMENS: 950
WATTS: 50
TEST NO: ITL52169

TECHNICAL NOTES AND FORMULAS

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- The fixture body must be removed from the base to adjusting light level or relamp. Do not try to remove top cap or optical lens.