



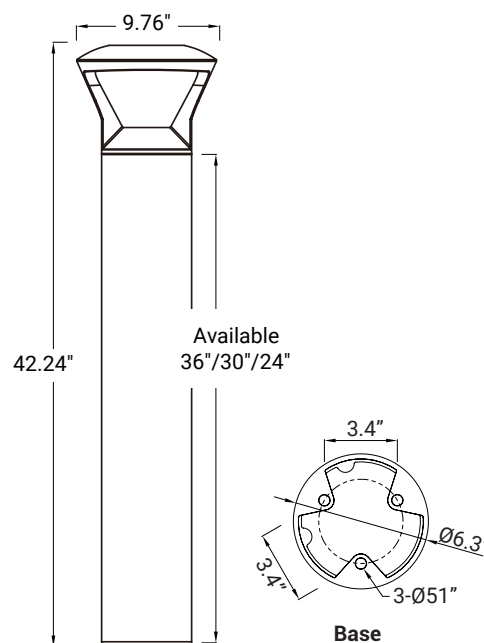
FEATURES

STANDING STRONG SO YOU CAN STAY SAFE.

This round bollard features a modern cylinder design and a sturdy construction for resistance against outdoor environments and vandalism. A cut-off lens makes for forward throwing illumination that is even, glare-free, and prevents light pollution. Three selectable CCT options make for a solution that is not just long-term, and energy efficient, but versatile. Dimmable and ideal for building entrances, walkways, courtyards, parks, and residential and hospitality applications.

TECHNICAL DETAILS

Lumens	1500L/2000L/3000L
CCT	3000K/4000K/5000K
Power	14W/19W/24W
Voltage	120-347V
Dimming	DIM10: 0-10V Flicker Free 5% Dimming
Distribution	Type V
Working Temp.	-40°C (-40°F) to +45°C (113°F)
IP Rating	IP65
Sensor	Photosensor
Finish	Bronze (BZ), Black (BK), Custom RAL
Mounting	Ground Mounting
Photometric	In accordance with IES LM79-08 and TM+30, TM-21
Warranty	5-year warranty for parts (labor not included)



OPTICS & PERFORMANCE

Features a durable polycarbonate diffuser lens with a full cut-off design which throws light forward without contributing to light pollution. An external aluminum cone reflector provides uniform, glare-free illumination for smooth, gentle pedestrian lighting.

Available in a lumen package of 1500L/2000L/3000L, with 3 selectable color temperatures of 3000K/4000K/5000K to enable different warm to cool moods and atmospheres. CCT factory set to 5000K and lumen factory set to 3000L.

Powered by ultra bright, energy efficient, and long lasting 2835 Bridgelux LEDs for an extended luminaire lifetime and environmental friendliness.

CONSTRUCTION

Body and head made from corrosion resistant die-cast aluminum; fixture head designed to facilitate thermal ventilation.

A combined IK08 rated construction for impact resistance in outdoor, public settings and an IP65 rating for outdoor exposure and wet location use make this fixture effectively vandal resistant.

Integrated driver inside luminaire head. Multi-lumen and Multi-CCT switches located on underside of luminaire head.

Painted with a TGIC thermoset polyester powder coat to reinforce durability and resist fading and corrosion.

Available in standard finishes of bronze or black; consult factory for custom RAL.

MOUNTING

Suitable for bolted ground mounting into concrete. Ground mounting kit included as standard.

MAINTENANCE

Fixture may be wiped down with a dry or damp cloth or hosed down for optimal performance.

OPTIONS & ACCESSORIES

INCLUDED:

- Integrated ON/OFF photocell which detects changing light levels and saves energy by automatically powering off fixture during the day.

SOLD SEPARATELY

- Emergency Battery Back-Up option available to order separately.
- Root mounting kit for soft ground installation available to order separately.
- 24", 30" & 36" Bollard Base to order separately.

DRIVER ELECTRICAL INFORMATION

Powered by high-quality constant-current LED drivers which are rated for 50 to 60Hz at 120-347V input, produce less than 20% THD, and have a power factor of .90 to 1.00. Thermally protected for increased performance and safety. Standard 4KV surge protection with 10KV option available.

DIMMING

DIM10 - 0-10V flicker free 5% dimming on either MVOLT 120-347V.

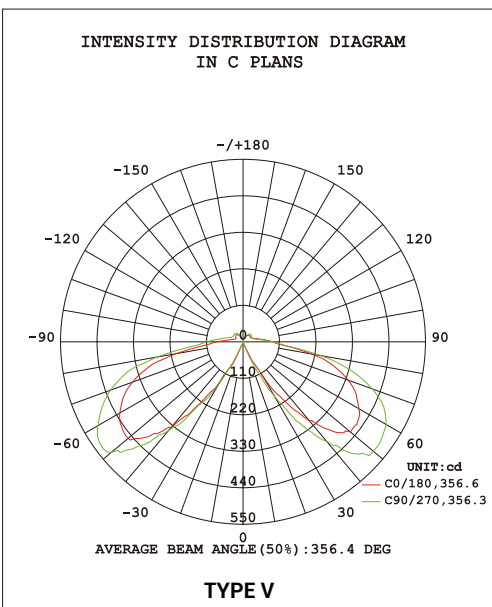
WARRANTY

5-year warranty for parts and components (labor not included).

LISTING

c-UL-us listed for feed through wiring.
DLC listed.
IP65 rated for wet location use.
IK08 rated for impact resistance.

DISTRIBUTION



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1500L	1609L	12W
2500L	2260L	17W
3000L	2913L	22W

Based on 4000K, 80+ CRI. Actual wattage may vary +/- 5%

PRODUCT FEATURES



Example: **OBO-137-LED-1500L/2000L/3000L-DIM10-120-347V-30K/40K/50K-BZ-PHC**

OBO-137-LED							
SERIES	LUMENS	DIMMING	VOLTAGE	CCT	FINISH	OPTION	EMERGENCY
OBO-137-LED	1500L/2000L/3000L	DIM10	120-347V	30K/40K/50K	BK - Black BZ - Bronze RAL - Custom	PHC- Standard ON/OFF Photocell (Included) A-OBO-RMK-BK - Bollard Root Mounting Kit for Soft Ground, Black Finish OBO-BASE-RD-36-BZ-TR - 36" Round Bollard Base with Triangle Base Mounting Kit, Bronze Finish OBO-BASE-RD-30-BZ-TR - 30" Round Bollard Base with Triangle Base Mounting Kit, Bronze Finish OBO-BASE-RD-24-BZ-TR - 24" Round Bollard Base with Triangle Base Mounting Kit, Bronze Finish SPD-10KV - 10KV Surge Protection	0-EMG-LED Contact factory for emergency battery option details

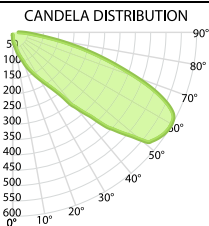
OBO-137-LED-1500L-2000L-3000L-DIM10-120-347V-30K-40K-50K-BZ-PHC(1500L)

TEST NO.: EL08052508

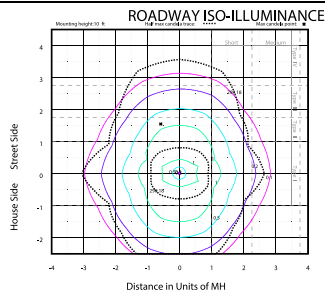
INPUT WATTS:12.2

LUMENS:1609

EFFICACY: 132



CANDELA TABLE		
	0°	90°
0°	8	8
10°	44	41
20°	100	90
30°	175	158
40°	318	269
50°	544	435
60°	598	445
70°	429	336
80°	149	123
90°	19	6



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	25	2%
0° - 30°	87	5%
0° - 40°	223	14%
0° - 60°	942	59%
0° - 80°	1553	97%
0° - 90°	1595	99%

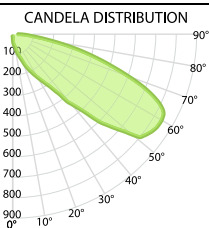
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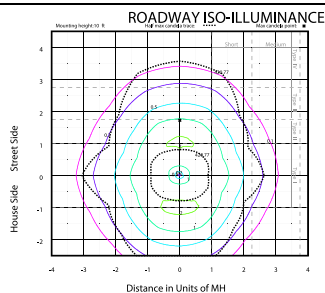
INPUT WATTS:17.0

LUMENS:2260

EFFICACY: 133



CANDELA TABLE		
	0°	90°
0°	11	11
10°	62	58
20°	139	126
30°	244	220
40°	444	377
50°	765	611
60°	842	626
70°	603	472
80°	206	172
90°	27	8



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	35	2%
0° - 30°	122	5%
0° - 40°	312	14%
0° - 60°	1323	59%
0° - 80°	2181	97%
0° - 90°	2240	99%

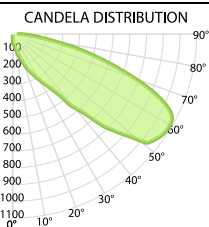
OBO-137-LED-1500L-2000L-3000L-DIM10-120-347V-30K-40K-50K-BZ-PHC(3000L)

TEST NO.: EL08052508

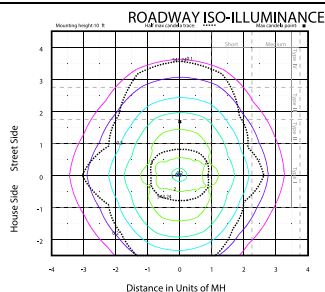
INPUT WATTS:22.2

LUMENS:2913

EFFICACY: 131



CANDELA TABLE		
	0°	90°
0°	14	14
10°	79	74
20°	178	164
30°	314	283
40°	572	486
50°	988	789
60°	1086	807
70°	778	608
80°	265	221
90°	34	11



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	44	2%
0° - 30°	157	5%
0° - 40°	402	14%
0° - 60°	1707	59%
0° - 80°	2812	97%
0° - 90°	2888	99%