



FEATURES

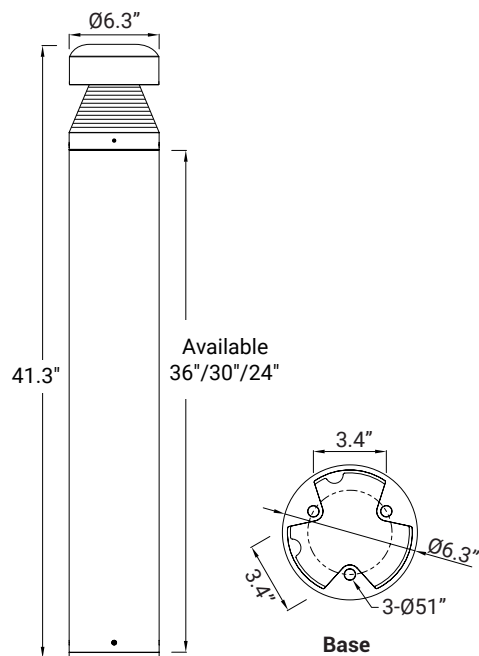
STANDING STRONG SO YOU CAN STAY SAFE.

This bollard features a modern cylinder design and a sturdy construction for resistance against outdoor environments and vandalism. A 360° lens with a full cut-off and aluminum cone reflector make for illumination that is both radiant, glare-free, and utilitarian. An integrated photocell and 3 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.

IP65 and IK08 rated.

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

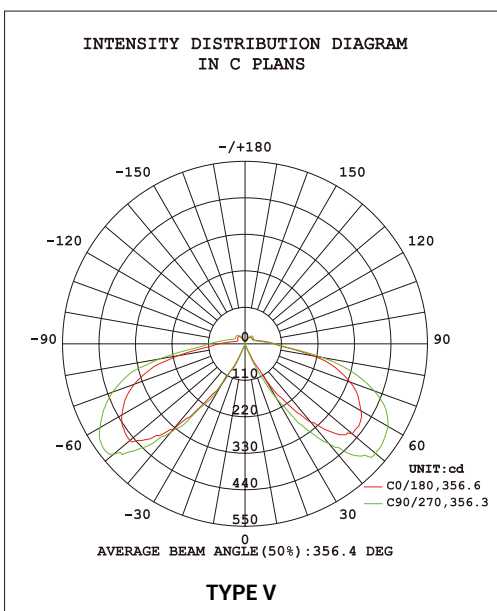
c-UL-us listed for feed through wiring.

DLC listed.

IP65 rated for wet location use.

IK08 rated for impact resistance.

DISTRIBUTION



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
1500L	1485L	12W
2500L	2101L	17W
3000L	2852L	23W

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

PRODUCT FEATURES



Example: **OBO-136-LED-1500L/2000L/3000L-DIM10-120-347V-30K/40K/50K-BZ-PHC**

OBO-136-LED							
SERIES	LUMENS	DIMMING	VOLTAGE	CCT	FINISH	OPTION	EMERGENCY
OBO-136-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

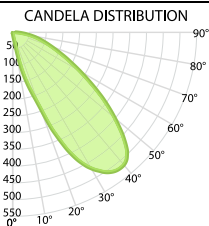
OBO-136-LED-1500L-2000L-3000L-DIM10-120-347V-30K-40K-50K-BZ-PHC(1500L)

TEST NO.: EL08052508

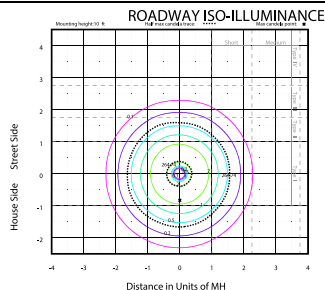
INPUT WATTS:12.0

LUMENS:1485

EFFICACY: 124



CANDELA TABLE		
	0°	90°
0°	2	2
10°	16	10
20°	238	194
30°	469	426
40°	517	503
50°	399	413
60°	233	242
70°	122	126
80°	57	60
90°	10	11



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	39	3%
0° - 30°	208	14%
0° - 40°	518	35%
0° - 60°	1168	79%
0° - 80°	1438	97%
0° - 90°	1471	99%

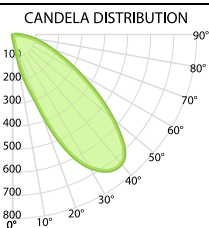
OBO-136-LED-1500L-2000L-3000L-DIM10-120-347V-30K-40K-50K-BZ-PHC(2000L)

TEST NO.: EL08052508

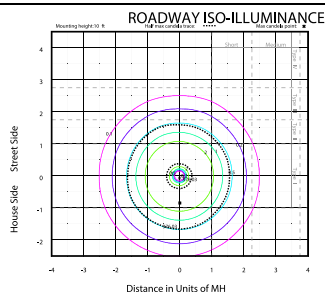
INPUT WATTS:16.9

LUMENS:2101

EFFICACY: 124



CANDELA TABLE		
	0°	90°
0°	3	3
10°	23	15
20°	346	274
30°	665	599
40°	734	709
50°	567	583
60°	331	343
70°	174	178
80°	81	85
90°	14	16



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	56	3%
0° - 30°	293	14%
0° - 40°	732	35%
0° - 60°	1651	79%
0° - 80°	2033	97%
0° - 90°	2080	99%

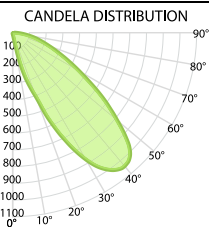
OBO-136-LED-1500L-2000L-3000L-DIM10-120-347V-30K-40K-50K-BZ-PHC(3000L)

TEST NO.: EL08052508

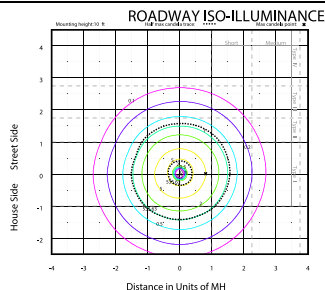
INPUT WATTS:22.4

LUMENS:2852

EFFICACY: 127



CANDELA TABLE		
	0°	90°
0°	4	4
10°	22	36
20°	408	552
30°	875	979
40°	1041	1024
50°	815	743
60°	459	445
70°	230	236
80°	98	100
90°	13	14



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% LUMINAIRE
0° - 20°	88	3%
0° - 30°	440	15%
0° - 40°	1066	37%
0° - 60°	2297	81%
0° - 80°	2776	97%
0° - 90°	2826	99%