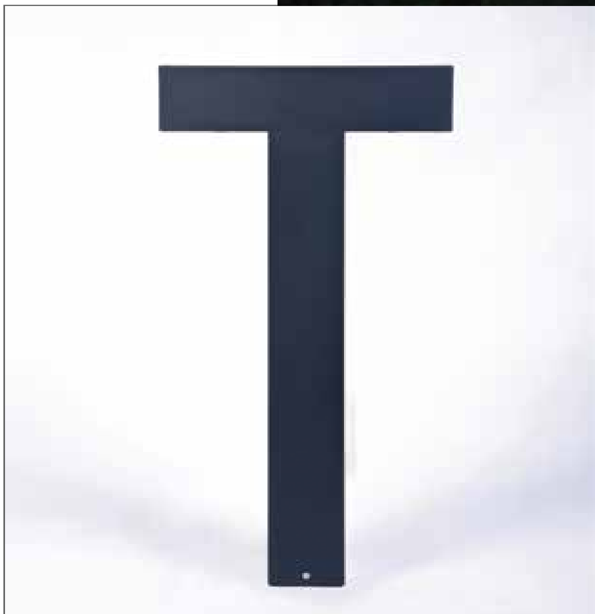
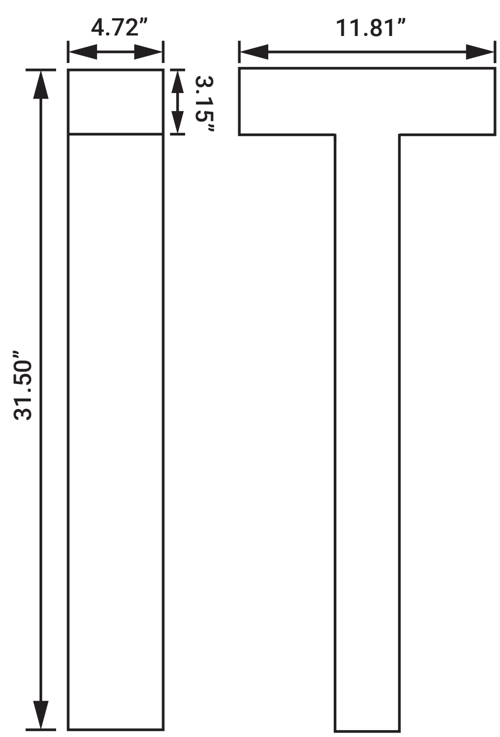
OBO-135-LED

SENTINEL Vandal-Resistant LED Bollard Light



FEATURES

Thoughtfully designed to complement outdoor architectural environments, the OBO-135 features a precision-molded polycarbonate lens with a clean cut-off profile—delivering forward-throw illumination that enhances pedestrian visibility while minimizing glare and skyglow. With four intensity options and available 0-10v dimming, the light quality strikes a balance between functional performance and atmospheric comfort—ideal for projects where controlled light is essential to both safety and ambiance.



TECHNICAL DETAILS

Lumens	900L - 2000L
CCT	3000K, 4000K, 5000K
Power	8W - 20W
Voltage	120-277V
Dimming	0-10V Flicker Free 10% Dimming (DIM10)
Lm/W	92Lm/W - 108Lm/W
CRI	80
Color	Bronze, White
Mounting	Base Plate, Flange Mount
PT	In accordance with IES LM79-08, LM80 and TM-21
Warranty	5 years warranty for parts (labor not included)

OPTICS & PERFORMANCE

Crafted with a durable polycarbonate lens and a precision cut-off design, the OBO-135 luminaire delivers uniform, glare-free illumination with a forward-throw distribution—offering ample pedestrian lighting while minimizing skyglow to comply with dark-sky requirements. With color temperatures ranging from 3000K to 5000K, the OBO-135 supports a variety of architectural aesthetics and lighting design intents, from warm and inviting to crisp and contemporary. Engineered with high-efficiency Cree® LEDs, the OBO-135 offers superior brightness, long lifespan, and minimal maintenance—supporting sustainability objectives and long-term design integrity.

CONSTRUCTION

Constructed from an extruded aluminum with 0.125" thick side walls and a top cover made from one-piece die-cast aluminum for excellent thermal performance. The fixture head is designed to facilitate thermal ventilation, with the driver integrated inside the body.

Finished with a TGIC thermoset polyester powder coat for long-lasting color retention and corrosion resistance.

Available in bronze or black finish.

MOUNTING

Suitable for surface mounting onto concrete using supplied hardware kit.

MAINTENANCE

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

ELECTRICAL

Powered by high-quality constant-current LED drivers which are rated for 50 to 60Hz at 120/277V input, produce less than 20% THD, and have a power factor of .90 to 1.00. Thermally protected for increased performance and safety.

DIMMING & DRIVER INFORMATION

DIM10 - Flicker Free 10% Dimming

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

ETL listed
IP65 rated for wet location use

	Power (W)	Flux (lm)	Efficiency (lm/W)
3000K	8.4	828	98.6
	11.7	1111	95
	14.9	1368	91.7
	20.9	1806	86.3
4000K	8.1	880	108.1
	11.3	1201	106.4
	14.3	1500	104.7
	19.7	1967	99.7
5000K	8.4	888	105.8
	11.7	1204	102.8
	15.0	1500	100.3
	20.6	1908	92.4

Example: OBO-135-LED-2000-DIM10-MVOLT-30K-BK

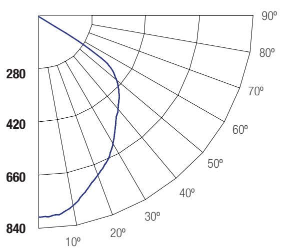
SERIES	LUMENS	DIMMING/VOLTAGE	CCT	COLOR
OBO-135-LED	**900L** - 900lm **1200L** - 1200lm **1500L** - 1500lm **2000L** - 2000lm	**DIM10-MVOLT**	**30K** - 3000K **40K** - 4000K **50K** - 5000K	**BZ** - Bronze **BK** - Black

WET LOCATION
IP65

OBO-135-LED-900L-DIM10-MVOLT-40K-BZ TEST NO.: **EL031827**

INPUT WATTS: **8.1** LUMENS: **880** CRI: **85** EFFICACY: **108** CCT: **4000K** SPACING CRITERIA: **11.46**

Candle Power Distribution (Candelas)



Cone of Light

2	0.21	2.1	9.6
4	0.05	4.1	19.1
6	0.02	6.2	28.7
8	0.01	8.3	38.2
10	0.01	10.4	47.8
12	0.01	12.4	57.4
(FT.)Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	18.71	0.9	0.9
0-30	132.16	6.2	6.2
0-40	396.42	18.5	18.5
0-60	1211.13	56.6	56.6
0-80	1837.89	85.9	85.9
0-90	1948.22	91.1	91.1

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	4923	5160	4519
55	5815	5981	6281
65	7074	6374	8144
75	5493	5958	7731
85	6781	7139	10775

Lumens Per Zone

Zone	Lumens
0-10	0.3
10-20	18.41
20-30	113.46
30-40	264.26
40-50	383.77
50-60	430.93
60-70	391.6
70-80	235.16
80-90	110.33

Candela Tabulation

0	0.821
5	2.321
15	61.378
25	309.46
35	380.74
45	498.26
55	477.41
65	427.93
75	203.52
85	84.597
90	64.636

Coefficients of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	103	97	92	87	99	94	89	84	88	84	80	82	79	76	77	75	72	69
2	91	81	73	65	88	78	71	64	73	67	61	68	63	58	64	59	56	53
3	81	68	58	51	78	66	57	50	62	54	47	58	51	45	54	48	43	41
4	73	58	48	40	70	56	47	39	53	44	38	49	42	36	46	40	35	32
5	66	51	40	32	63	49	39	32	45	37	30	42	35	29	40	33	28	25
6	60	44	34	26	57	43	33	26	40	31	25	37	30	24	35	28	23	20
7	54	39	29	22	52	38	28	21	35	27	21	33	25	20	31	24	19	17
8	50	35	25	18	48	33	24	18	31	23	17	29	22	17	27	21	16	14
9	46	31	22	16	44	30	21	15	28	20	15	26	19	14	25	18	14	11
10	43	28	19	13	41	27	19	13	25	18	13	24	17	12	22	16	12	10

ROOM CAVITY RATIO

RC - Ceiling Cavity Reflectance RW - Wall Reflectance