

OBO-103-LED

LED Bollard Lighting Series

20 Wattage / 2000 Lumens

Catalog Number:

Project Name:

Note:

Type:



APPLICATIONS:

The Oracle LED Bollard is designed to deliver high performance and efficiency for different applications such as pedestrian walkways and accenting the exterior grounds of offices, apartment buildings, hotels and parks. Its low-profile and specialized optics provide a comfortable atmosphere for pedestrians while improving safety and security.

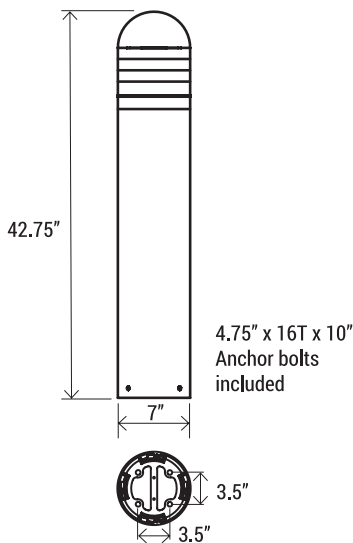
FEATURES:

- Heavy-duty cast aluminum body prevents corrosion and is vandal resistant
- Internal reflector designed to provide uniform illumination with a glare control unstriated beam pattern
- Specially designed aluminum cone reflector for LED
- Clear polycarbonate lens
- Bronze or Black corrosion-resistant powder-coated finish is standard
- CSA listed
- Wet location
- IP65 Rating

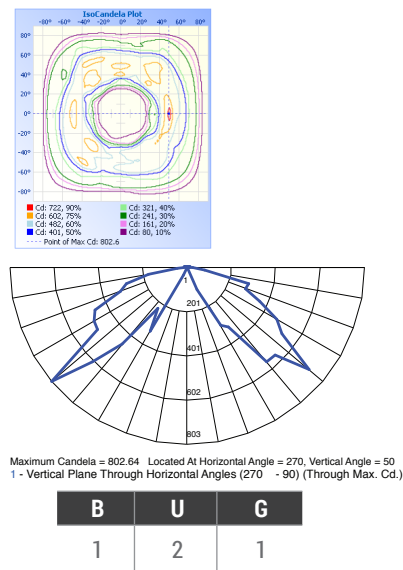
LED LIGHT ENGINE:

LED light engine eliminates the need for a glass lens for maximum light output. Use of latest generation LEDs means more light from fewer LEDs, resulting in lower costs.

DIMENSION:



PHOTOMETRICS:



SPECIFICATIONS:

LUMENS	1987 lumens
WATTAGE	37W
CCT	30K, 40K, 50K
CRI	83
VOLTAGE	120/277 VAC
POWER FREQUENCY	50/60 Hz
FINISH	Bronze, Black
APPLICABLE ENVIRONMENT	Dry/Damp/Wet location

Ordering Guide > Example: OBO-103-LED-2000L-DIM10-MVOLT-40K-O-EMG-LED-BZ

OBO-103-LED						
SERIES	PERFORMANCE	DIMMING	VOLTAGE	CCT	CRI	FINISH
OBO-103-LED	2000L - 2000 lumens	DIM10 LUTH - 0-10V Dimming - Lutron Dimming	MVOLT - 120-277V	30K - 3000K 40K - 4000K 50K - 5000K	80 - 80+	BZ - Bronze BK - Black

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OBO-103-LED-2000L-DIM10-MVOLT-30K-BZ

INPUT WATTS: **36.9**

LUMENS: **1987**

CRI: **85**

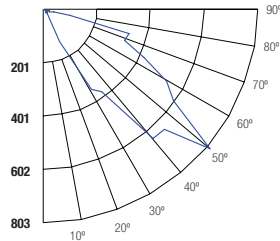
EFFICACY: **54**

CCT: **3000K**

TEST NO.: **EL06281992**

SPACING CRITERIA: **11.52**

Candle Power Distribution (Candelas)



Cone of Light		
4.0	0 fc	42.9 ft.
8.0	0 fc	85.9 ft.
12.0	0 fc	128.8 ft.
16.0	0 fc	171.7 ft.
20.0	0 fc	214.6 ft.
24.0	0 fc	257.6 ft.
Distance to Plane	Initial Footcandle at Nadir	Beam diameter

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	0.97	0.00	0.00
0-30	43.29	2.20	2.20
0-40	284.69	14.30	14.30
0-60	1209.89	60.70	60.90
0-80	1881.38	94.40	94.70
0-90	1944.18	97.60	97.90

Luminance (Average candela/M²)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	1102221	1201092	1090273
55	1229079	1337718	1252592
65	1311330	1656245	1183777
75	1226124	1673310	1536292
85	445223	566347	380497

Lumens Per Zone

Zone	Lumens
0-10	0.10
10-20	0.88
20-30	42.32
30-40	241.40
40-50	438.88
50-60	486.32
60-70	402.37
70-80	269.12
80-90	62.81

Candela Tabulation

Q	
0	0.729
5	0.610
15	2.310
25	22.450
35	263.840
45	569.220
55	514.870
65	404.750
75	231.770
85	28.340
90	12.050

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%			
ROOM CAVITY RATIO	0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	98			
	1	104	98	93	88	101	96	91	86	91	87	83	87	83	80	82	80	77	75			
	2	92	81	72	65	89	79	71	64	75	68	62	71	65	60	68	63	59	56			
	3	81	68	57	49	78	66	56	49	62	54	47	59	52	46	56	50	45	42			
	4	72	57	46	38	69	56	46	38	53	44	37	50	42	36	47	41	35	32			
	5	65	49	38	30	62	48	37	30	45	36	29	43	35	28	40	33	28	25			
	6	58	42	32	24	56	41	31	24	39	30	23	37	29	23	35	28	22	20			
	7	53	37	27	19	51	36	26	19	34	25	19	32	24	18	31	24	18	16			
	8	49	33	23	16	47	32	22	16	30	22	15	29	21	15	27	20	15	13			
	9	45	29	20	13	43	28	19	13	27	19	13	26	18	12	24	17	12	10			
10	41	26	17	11	40	26	17	11	24	16	11	23	16	10	22	15	10	8				

RC - Ceiling Cavity Reflectance

RW - Wall Reflectance