



MICHELANGELO

OUTDOOR PRODUCTS

Bollard



The MICHELANGELO bollard is an elegant solution for your outdoor area lighting needs. Its robust and strong materials allow it to withstand the harshest of elements without a scratch. The Michelangelo features an innovative optical system providing illumination to your space while keeping the beam shielded from the eye

Project: _____

Location: _____

Cat. No: _____

Type: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage: 120-277Vac

Power factor: 0.9

Total harmonic distortion (THD): <20%

Dimming: No dimming

MECHANICAL & HOUSING

Size: 42" height

Housing: Corrosion-resistant aluminum-cast housing and plate for mounting. Concrete anchor for mounting.

Lens: 360° optical polymer

Finish: Thermoset powder coat finish that provides superior resistance to corrosion and weathering. Minimum 3mm thickness for a finish that provides anti-cracking and peeling from weather further enhanced with a marine grade corrosion resistant coat.

APPLICATION CONDITION

Ambient temperature range: -25°C to 50°C

Dimming: N/A

Protection: IP65, thermally-insulated driver

COMPATIBLE MOUNTING

Mounting: Concrete anchor mounted on aluminum-cast plate

WARRANTY

System warranty: 5 years

Lumen maintenance: L70 at 50,000 hours

ORDERING GUIDE

EXAMPLE: AE-OD-ML27-C10-33-6-3-80-B-M

AE-OD-ML27	-C10-33-6	-3	-80	-B-M
FIXTURE FAMILY	POWER & SIZE	CCT	CRI	HOUSING & FINISH
AE-OD-ML27 Outdoor products Michelangelo Bollard Fixture	-C10-33-6 120-277Vac 10 watts: 400 lumens 33" height 6" diameter	-3 3000K CCT	-80 80 CRI	-B-M Thermoset powder coat graphite black aluminum-cast housing with marine corrosion resistant finish
	AE-OD-ML28 Outdoor products Michelangelo Bollard Fixture	-C20-44-8 120-277Vac 20 watts: 1225 lumens 44" height 8" diameter		-4 4000K CCT
	-C35-44-8 120-277Vac 32 watts 44" height 8" diameter			-W-M Aeralux nebula white thermoset cast housing with marine corrosion resistant finish*
		-5 5000K CCT		-S-M Aluminum (RAL9006) thermoset cast housing with marine corrosion resistant finish*

*Contact for leadtimes and availability



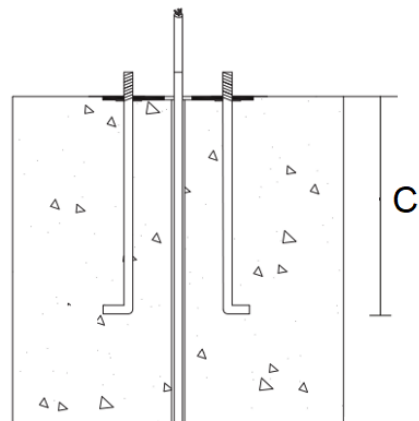
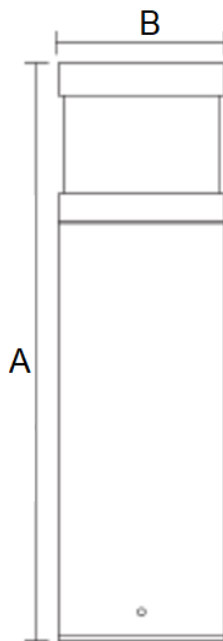
IP 65



PRODUCT DIMENSIONS

AE-OD-ML27, AE-OD-ML28

Product dimensions			
Power	A	B	C
10W	33" [838]	5.5" [140]	7.87" [200]
20W	42" [1067]	7.87" [200]	7.87" [200]
32W	42" [1067]	7.87" [200]	7.87" [200]



B-U-G RATING

BUG Rating	
Power	
10W	B1-U3-G1
20W	B1-U3-G1
32W	B1-U3-G1

LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

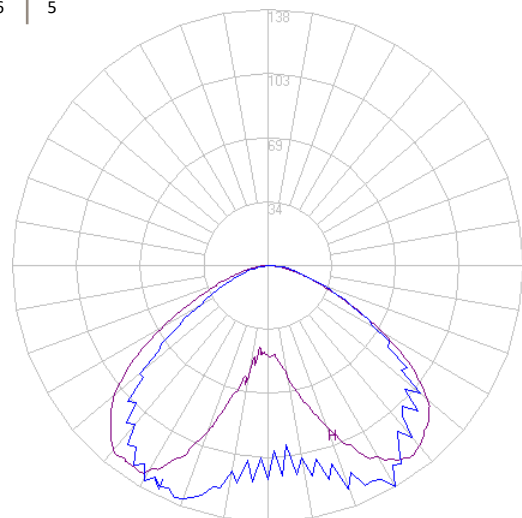
Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (70CRI)	0.91	0.94	0.97	1

PHOTOMETRIC DATA

AE-OD-ML27-C10-24-6-3-80-X-M

Coefficients of utilization												
Ceiling	80%				70%		50%		30%		0%	
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0	
RCR	Zonal Cavity Method – Effective floor reflectance = 20%											
Room Cavity Ratio	0	45	45	45	45	44	44	42	42	40	40	38
	1	41	39	37	36	38	35	37	34	35	33	31
	2	37	33	31	28	33	28	31	27	30	27	25
	3	33	29	25	23	28	22	27	22	26	22	20
	4	30	25	21	18	24	18	23	18	22	18	16
	5	27	22	18	15	21	15	20	15	19	14	13
	6	24	19	15	12	18	12	18	12	17	12	11
	7	22	17	13	10	16	10	16	10	15	10	9
	8	20	15	11	9	14	9	14	9	13	9	8
	9	19	13	10	7	13	7	12	7	12	7	6
	10	17	12	9	6	12	6	11	6	11	6	5

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	0.21	90-100	0
10-20	4.16	100-110	0
20-30	33.17	110-120	0
30-40	73.77	120-130	0
40-50	96.61	130-140	0
50-60	90.05	140-150	0
60-70	54.94	150-160	0
70-80	22.12	160-170	0
80-90	5.26	170-180	0

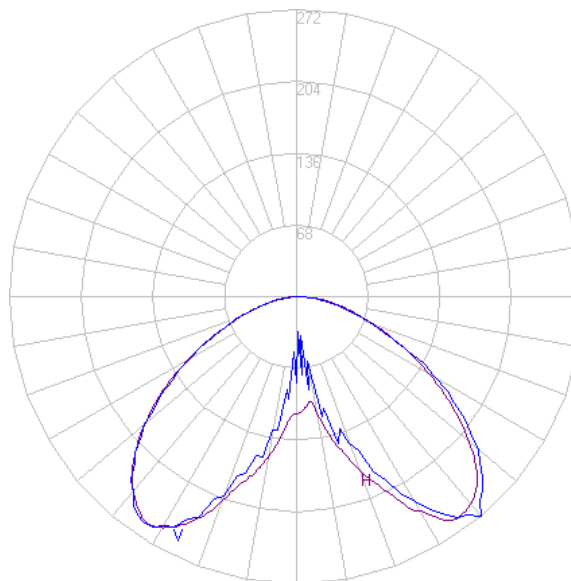


PHOTOMETRIC DATA

AE-OD-ML28-C20-36-8-3-80-X-M

Coefficients of utilization											
Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
0	41	41	41	41	40	40	38	38	37	37	34
1	37	35	34	32	34	32	33	31	32	30	28
2	33	30	27	25	29	25	28	24	27	24	22
3	30	26	23	20	25	20	24	20	23	19	18
4	27	22	19	16	22	16	21	16	20	16	15
5	24	19	16	13	19	13	18	13	17	13	12
6	22	17	14	11	17	11	16	11	15	11	10
7	20	15	12	9	15	9	14	9	14	9	8
8	18	13	10	8	13	8	13	8	12	8	7
9	17	12	9	7	12	7	11	7	11	7	6
10	16	11	8	6	11	6	10	6	10	6	5

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	0.49	90-100	0
10-20	9.22	100-110	0
20-30	67.68	110-120	0
30-40	145.93	120-130	0
40-50	187.85	130-140	0
50-60	167.09	140-150	0
60-70	110.74	150-160	0
70-80	53.64	160-170	0
80-90	13.48	170-180	0



MULTIPLE SIZES

Available in 6, and 8" diameter bore sizes, with heights of 33, and 44" depending on the lumen package selected.

CORROSION RESISTANT FINISH

Thermoset powder coat finish combined with the anti-cracking marine grade corrosion resistant finish to withstand harsh environmental conditions.

PREMIUM MATERIALS

Aluminum die-cast housing and plate for enhanced thermal heat dissipation and structural integrity.



OPTICAL GLASS

180-degree optical polymer

Aeralux Inc.
1111, Dr Frederik-Philips, Suite 202, Montreal, QC H4M 2X6, Canada
514 447 7598 | 1-630-534-2589
www.aeralux.com

Aeralux Incorporation All Rights Reserved. Any information provided is subject to change without notice. All values are typical values when measured under normal laboratory conditions.

