

Project:	
Type:	
Catalog #:	



### SUFFIX -DS = DARK SKY (3000K\*)



#### VANDABOL BOLLARD HEAVY GAUGE SHAFT

- Premium powder-coat, heavy gauge aluminum, dark bronze or black.

#### ELECTRICAL

- Operating temperature (ambient): -40°C to 60°C (-40°F to 140°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- Input transient surge protection = 4kV.
- Power factor > 0.90.
- Total Harmonic distortion < 20%.

#### OPTICAL SYSTEM

- High-impact vandal-resistant KAYMAR thermoplastic pc lens.
- Field selectable 3000k(warm white), 4000k (neutral white) and 5000k (cool white) color temperatures\*.
- Tri-lumen selectable delivers 1,700 to 3,000 nominal lumens\*.
- Long-life LEDs provide 192,000 hours of operation with at least 70% of initial lumen output (L70),and 58,000 hours with at least 90% of initial lumen output (L90)\*\*.
- LED color maintenance  $\leq 0.00313$  chromaticity shift ( $\Delta u'v'$ ) over the initial 6,000 hours of operation.
- Color rendering index > 70.

Anchor Bolt mount kit included.

## VANDABOL Vandal Bollards

#### CODE COMPLIANCE

- cULus certified for wet locations.
- DLC Premium listed.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.
- IK10 rated for impact protection.
- IDA DARK SKY Certified in 3000K

#### WARRANTY

- 5 year warranty on all electronics and housing.



Model #	L (in)	W (in)	B (in)	H (in)	Weight (lbs)
DBOLUFO-302317L-3CCT	9.76	9.76	6.3	42.25	13.22

\* Kelvin Temperature to be 3000K per IDA Dark Sky Standards.  
 \*\*L70 & L90 hours are IES TM-21-11 calculated hours.

#### VANDABOL Model #DBOLUFO-302317L-DS (3000K)

SKU	Nominal Lumen Output (Selectable)		Kelvin Selectable	Housing Color
DBOLUFO	302317L	3,000 / 2,300 / 1,700 Lumens	3CCT: 3000K / 4000K / 5000K (Set to 3000K for Dark Sky)	Blank Dark Bronze BLK Black

## ACCESSORIES (ORDER SEPARATELY)

### Mounting:

DBOL-R-MTGKIT = Round Bollard Anchor Bolt Mounting Kit

## LUMEN TABLES

SKU	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
DBOLUFO-302317L	Lumens	1,725	1,770	1,784	2,316	2,385	2,373	2,927	3,019	2,992
	Watt	13.32	13.15	13.47	18.19	17.86	18.31	23.52	22.96	23.63
	Efficacy	130	135	132	127	134	130	124	131	127

## ELECTRICAL DATA

SKU	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
DBOLUFO-302317L	3000k	0.11	0.06	0.05	0.15	0.08	0.07	0.20	0.10	0.08
	4000k	0.11	0.05	0.05	0.15	0.07	0.06	0.19	0.10	0.08
	5000k	0.11	0.06	0.05	0.15	0.08	0.07	0.20	0.10	0.09

## PHOTOMETRICS

VANDABOL # DBOLUFO-302317L-DS (3000K)

### Luminaire Data

Description	BOLLARD (UFO) Highest power, 4K CCT
Total Lumens	3,019
Input Wattage	23
Efficacy (lm/W)	132
Max. Cd.	1189.1 (292.5H, 57V)
IES Classification	Type III
Longitudinal Classification	Short

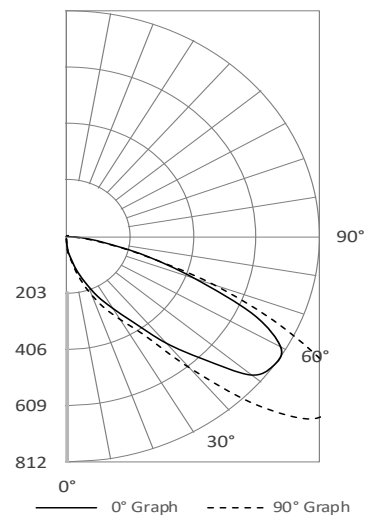
### Zonal Lumen Summary

Zone	Lumens	%Fixt
0-30°	165	5.5%
0-60°	1,886	62.5%
0-80°	2,947	97.6%
80-90°	53	1.7%
0-90°	3,000	99.3%
90-110°	9	0.3%
110-180°	0	0.0%
0-180°	3,019	100.0%

### Luminaire Classification Systems (LCS)

LCS Zone	Lumens	%Lum	
<b>FL</b>	0-30	79	2.6%
<b>FM</b>	30-60	842	27.9%
<b>FH</b>	60-80	542	17.9%
<b>FVH</b>	80-90	27	0.9%
<b>BL</b>	0-30	86	2.9%
<b>BM</b>	30-60	878	29.1%
<b>BH</b>	60-80	519	17.2%
<b>BVH</b>	80-90	26	0.9%
<b>UL</b>	90-100	5	0.1%
<b>UH</b>	100-180	15	0.5%
<b>Total</b>		3,020	100.0%
BUG Rating		B2-U2-G2	

### 180° Polar Graph



## COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number	Dimmer Range	Load Switching Capacity
Best Lighting	DWS-010V-T	10%-100%	600W
Best Lighting	DWS-010V-D	10%-100%	600W
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV	10%-100%	450W