

# HBOL-UFO

## UFO Head Bollard Lumen & Kelvin Selectable

**HOUSING:** Premium powder-coat, aluminum, dark bronze or black housing.

**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, Polycarbonate 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 < 0.00313 chromaticity shift ( $\Delta u'v'$ ) over the initial 6,000 hours of operation.
- Color rendering index > 70.

**MOUNTING:** Anchor Bolt mount kit

**CODE COMPLIANCE:**

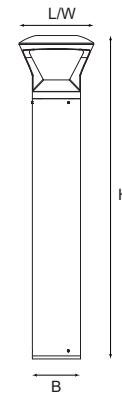
- cULus certified for wet locations.
- DLC Premium listed.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.
- IK10 rated for impact protection.

\* Default 4000k color temperature and highest lumen output.

\*\*L70 & L90 hours are IES TM-21-11 calculated hours.

**WARRANTY**

- 5 year warranty on all electronics and housing.



L (in)	W (in)	B (in)	H (in)	Weight (lbs)
9.76	9.76	6.3	42.25	13.22



**ORDERING INFORMATION** Example: HBOL-UFO-302317L-3CCT

Series	Nominal Lumen Output (Selectable)		Kelvin Selectable	Housing Color
HBOL-UFO	302317L	3,000 / 2,300 / 1,700 lm	3CCT 3K / 4K / 5K	Blank Dark Bronze BLK Black

## ACCESSORIES (ORDER SEPARATELY)

### Mounting:

HBOL-R-MTGTKIT = Round Bollard Anchor Bolt Mounting Kit

## LUMEN TABLES

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
HBOL-UFO-302317L-3CCT	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

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
HBOL-UFO-302317L-3CCT	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

HBOL-UFO-302317L-3CCT

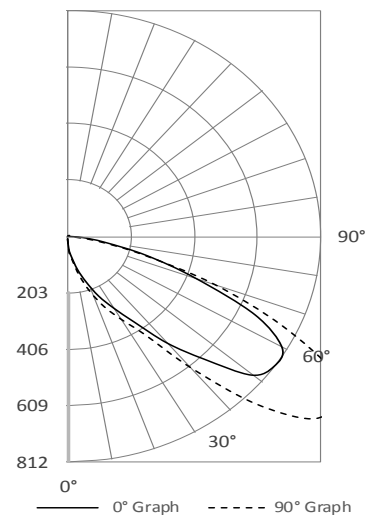
### Luminaire Data

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

### Luminaire Classification Systems (LCS)

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

### 180° Polar Graph



### 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%



Job Name: \_\_\_\_\_

Type: \_\_\_\_\_

Part #: \_\_\_\_\_

Notes: \_\_\_\_\_

## 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