

# BOXLED® (BL736)



## FLOOD/ AREA/ BAY LIGHT

- **BOXLED®** is a versatile fixture design based on performance and rugged reliability; Standard 10kA surge protection, NEMA 4X, IP66, 3G and IK09 ratings make it ideal for commercial and industrial applications
- **REFLECTOR:** Parabolic aluminum reflector and microprismatic tempered glass diffuser optimize light distribution and reduce glare
- The **BOXLED®** is constructed with a durable powder coated die-cast housing that resists corrosion, flame and chemical
- **LUMENS:** **LO:** 150W @ 11850 to 22019 lm  
**HO:** 240W @ 18960 to 35200 lm  
Note: **DBA** option tandem mounts 2 fixtures for 2x output
- **OPERATING TEMP:** HT: -40 to 45°C (-40 to 113°F)
- **WEIGHT:** 21 LB



DBA option mounts 2 fixtures for twice the output – up to 70K lumens!

- **APPLICATION:** The **BOXLED®** is ideal for damp or wet locations including warehouses, factories, loading docks, gymnasiums, mining, agriculture, open ceiling environments, stadiums, building facades, wall-washing, signage, building mounted focal points and parking lighting

### ORDERING INFORMATION

SERIES	OPERATION	OUTPUT	CCT	DISTRIBUTION	OPTIONS		
BL736	HT	LO	18K (1800K)	T2 <sup>1</sup> (type II)	DBA <sup>1,2</sup> (double bracket assembly)	NOD <sup>4</sup> (wireless node)	
		HO	4K (4000K)	T5 (type V, wide beam)	DOT (20kASP)	OS <sup>4</sup> (external occ sensor)	
			5K (5000K)		EM <sup>3</sup> (remote emergency backup)	OSB <sup>4</sup> (external occ sensor w/ bluetooth)	
					FP (3A fuse protector)	OSBC <sup>4</sup> (external occ sensor w/ casambi)	
					HV (347-480V)		
MOUNTING ACCESSORIES				CONTROLS ACCESSORIES			
1PKxWADP (white pendant kit, x= 12, 24, 48" std lengths)				4CH48 (chain hang kit, 48", field cuttable)		EMDCB <sup>4</sup> (motion & lux sensor)	
1SPKxWADP (white swivel pendant kit, x= 12, 24, 48" std lengths)				4PTBL (quad post top mount)		RLY <sup>4</sup> (relay, casambi)	
1XACx (aircraft cable, field adjustable, x= 50 or 72" std length)				HK1420 (hook mount)		RSDC <sup>4</sup> (room sensor, casambi)	
2PTBL (twin post top mount)						SW1 <sup>4</sup> (rocker switch, BT)	

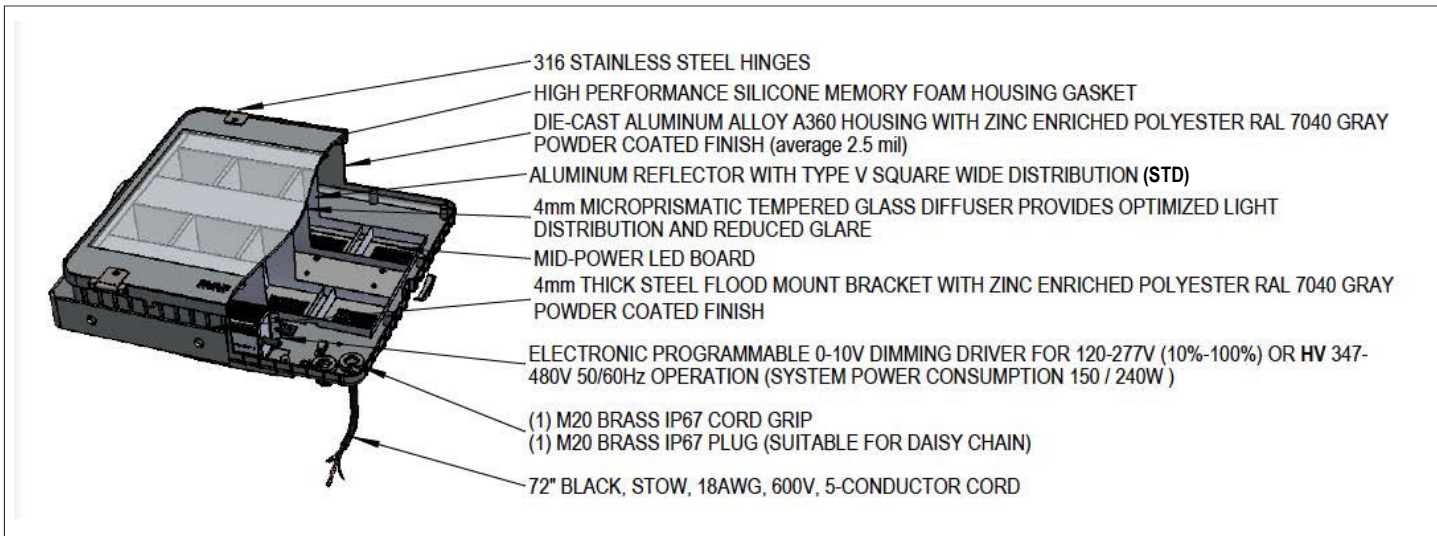
NOTE 1: Type II used with double mounted fixtures option, consult factory for leadtime

NOTE 2: Assembly of TWO BL736 fixtures with pendant ready mounting bracket (see page 2) for double the output

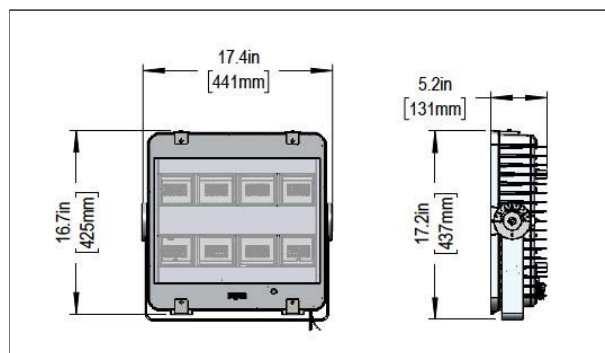
NOTE 3: Title 20 field installation emergency pack (120-277V); LO & HO: 17, approx. 2400 lm, 25ft max distance (wet location requires NEMA box)

NOTE 4: Beghelli standard control solutions (see details and additional control solutions on page 4)

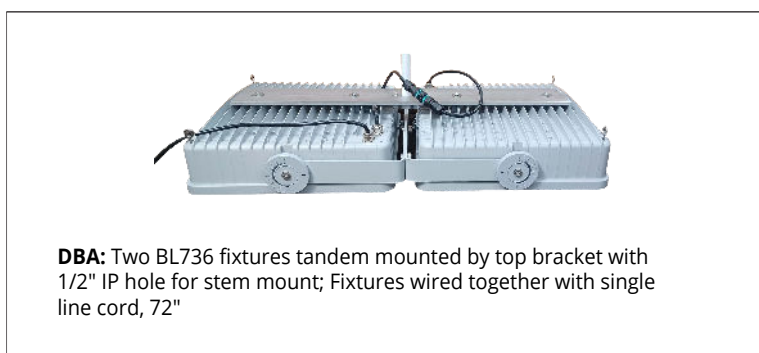
### TECHNICAL INFORMATION



**DIMENSIONS**



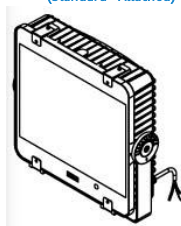
**DUAL MOUNT (DBA OPTION)**



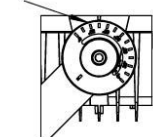
**MOUNTING OPTIONS**

**FLOOD MOUNT**

(Standard - Attached)

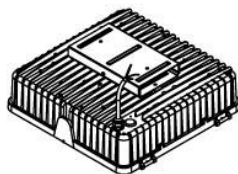


Aimable - 15° increments



**SURFACE MOUNT**

(Standard - Included)



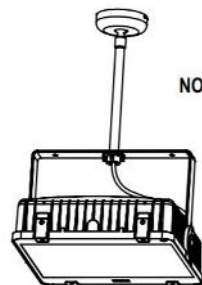
**AIRCRAFT CABLE**

(1XAC50, 1XAC72)



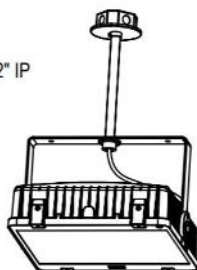
**SINGLE SWIVEL PENDANT**

(1SPK12WADP, 1SPK24WADP, 1SPK48WADP)



**SINGLE PENDANT**

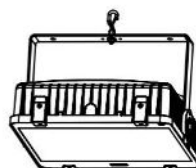
(1PK12WADP, 1PK24WADP, 1PK48WADP)



NOTE: STEM IS 1/2" IP

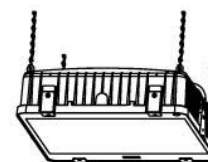
**HOOK MOUNT**

(HK1420)



**CHAIN HANG**

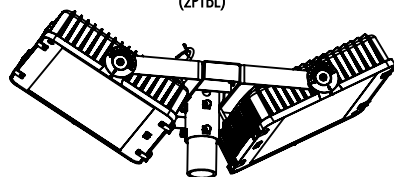
(4CH48)



(eye bolts are provided with fixture)

**TWIN POST TOP MOUNT**

(2PTBL)



Slip-fit for 2-3/8" O.D. tenon/ pole

**2PTBL**

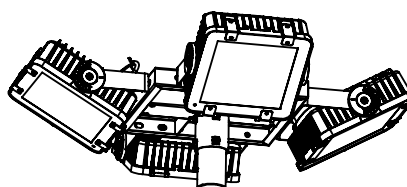
Weight: 6.5 lbs  
EPA: 0.20 sq ft

**BL736 (per unit)**

Weight: 21 lbs  
EPA: 1.83 sq ft

**QUAD POST TOP MOUNT**

(4PTBL)



Slip-fit for 2-3/8" O.D. tenon/ pole

**4PTBL**

Weight: 12.7 lbs  
EPA: 0.20 sq ft

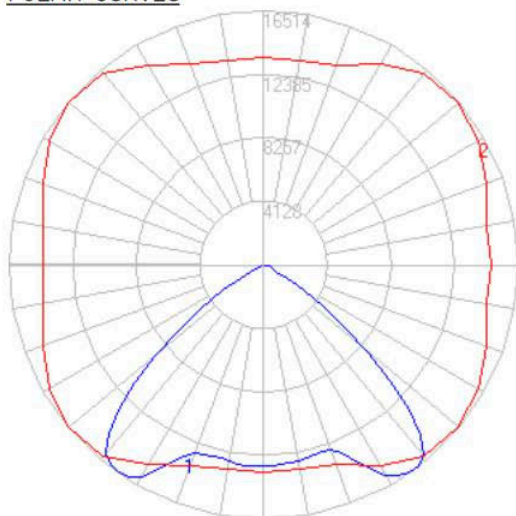
**BL736 (per unit)**

Weight: 21 lbs  
EPA: 1.83 sq ft

PHOTOMETRICS

BL736HTHO4KT5

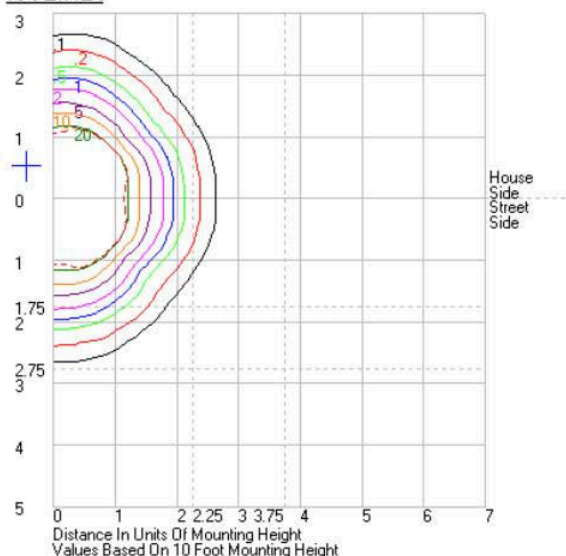
POLAR CURVES



Characteristics

Electronic driver	
LED 4000°K	
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	35230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	240
Ballast Factor	1.00
CIE Type	Direct

ISOLINES



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4946.34	N.A.	14.00
0-30	11626.74	N.A.	33.00
0-40	20926.42	N.A.	59.40
0-60	34394.29	N.A.	97.60
0-80	35208.86	N.A.	99.90
0-90	35229.71	N.A.	100.00
10-90	33986.72	N.A.	96.50
20-40	15980.08	N.A.	45.40
20-50	24991.55	N.A.	70.90
40-70	14172.76	N.A.	40.20
60-80	814.57	N.A.	2.30
70-80	109.67	N.A.	0.30
80-90	20.85	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	35229.71	N.A.	100.00

Total Luminaire Efficiency = N.A.%

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61			
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47			
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42			
8	66	53	45	40	64	53	45	40	51	44	40	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	39	35	34			
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			

**ENERGY CHART**

MODEL	EFFICACY	CONSUMPTION WATTAGE	LUMEN OUTPUT	CRI	L70 (HRS)	
					REPORTED	PROJECTED
BL736HTLO18KT5	79 LPW	150	11850	>80	>60,000	>107,000
BL736HTLO4KT5	147 LPW	150	22019	>80	>60,000	>107,000
BL736HTLO5KT5	147 LPW	150	22019	>80	>60,000	>107,000
BL736HTHO18KT5	79 LPW	240	18960	>80	>60,000	>107,000
BL736HTHO4KT5	147 LPW	240	35230	>80	>60,000	>107,000
BL736HTHO5KT5	147 LPW	240	35230	>80	>60,000	>107,000

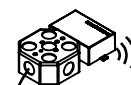


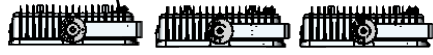
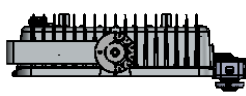




**ELECTRICAL RATING**

PRODUCT	NOMINAL POWER (W)	AC CURRENT (A) AC VOLTAGE				FREQUENCY (HZ)	DC VOLTAGE (V)	DC CURRENT (MA)
		120V	277V	347V	480V			
BL736HTLO	150	1.28	0.55	0.44	0.32	50/60	45	2800
BL736HTHO	240	2.04	0.88	0.71	0.51	50/60	45	4500

**DIMMER COMPATIBILITY**

DIMMER	COMPATABILITY	
	ON / OFF	DIMMING
LEVITON - AWRMG - 7	YES	YES
LUTRON - DIVE - DVSTV	YES	YES
LUTRON - DIVE - DVTV	YES	YES
WATT STOPPER DCLV1	YES	YES

**BEGHELLI LIGHTING CONTROL SOLUTIONS**

DAISY CHAIN FIXTURES (RELAY)	EXTERNAL NODE & SENSOR (OS/OSB/OSBC)
<p><b>RLY*</b> Wireless Relay (Damp Location)</p>  <p><b>EMDCB*</b> Remote Sensor (Damp Location)</p>  <p><b>SW1*</b> Single Switch (Damp Location)</p>  	<p><b>OS</b> (Beghelli standard) (Wet Location)</p>  <p><b>SW1*</b> Single Switch (Damp Location)</p>  <p>Note: OSB (bluetooth enabled) and OSBC (casambi enabled) sensors also available</p>
<p>* Magnum control options also available (RLYM1 relay, MLM1 sensor, SW1M1 switch, NODM1 node and OSM1 sensor)</p> <ul style="list-style-type: none"> <li>❖ Beghelli offers standard wired and wireless control solutions</li> <li>❖ Beghelli fixtures are compatible with most control solutions available in the market, consult factory for more details</li> </ul>	<p><b>NOD*</b> Node</p>  <p><b>SW1*</b> Single Switch (Damp Location)</p>  <p><b>EMDCB*</b> Remote Sensor (Damp Location)</p> 

■ **WARRANTY:** 5 year warranty, see website for full warranty details