

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 @ 13714 to 22019 lm
HO: 240W @ 21941 to 35200 lm
Note: **DBA** option tandem mounts 2 fixtures for 2x output
- **ELECTRICAL:** 120-277V, 50/60HZ; 0-10VDC dimming
- **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 ¹ (type II) | DBA ^{1,2} (double bracket assembly) | NOD ⁴ (wireless node) |
| | | HO | 22K (2200K) | T5 (type V, wide beam) | DOT (20kASP) | OS ⁴ (external occ sensor) |
| | | | 4K (4000K) | | EM ³ (remote emergency backup) | OSB ⁴ (external occ sensor w/ bluetooth) |
| | | | 5K (5000K) | | FP (3A fuse protector) | OSBC ⁴ (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 ⁴ (motion & lux sensor) | |
| 1SPKxWADP (white swivel pendant kit, x= 12, 24, 48" std lengths) | | | | 4PTBL (quad post top mount) | RLY ⁴ (relay, casambi) | |
| 1XACx (aircraft cable, field adjustable, x= 50 or 72" std length) | | | | HK1420 (hook mount) | RSDC ⁴ (room sensor, casambi) | |
| 2PTBL (twin post top mount) | | | | | SW1 ⁴ (rocker switch, BT) | |

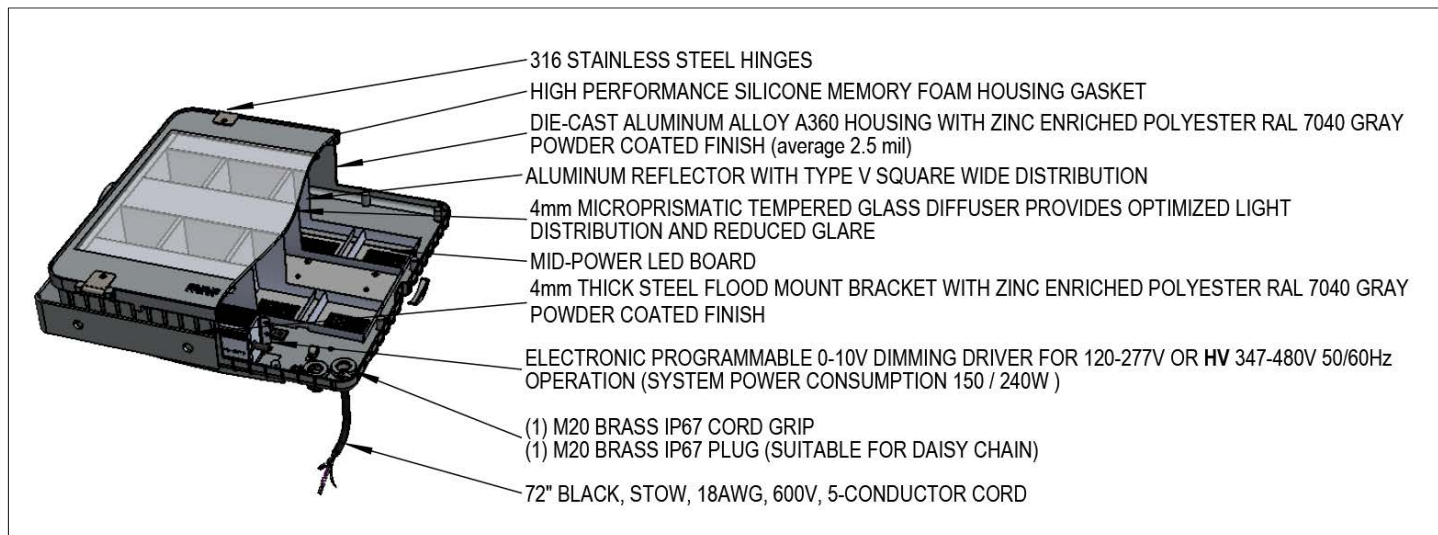
NOTE 1: Type II used with double mounted fixtures option, consult factory for leadtime

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

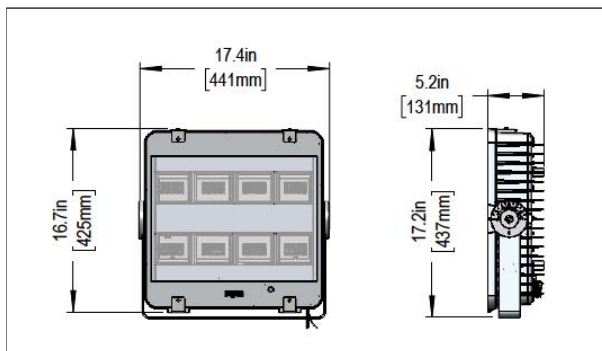
NOTE 3: Title 20 field installation emergency pack (120-277V); LO & HO: 17, approx. 2400 lm, 25ft max distance (wet location requires NEMA box)

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

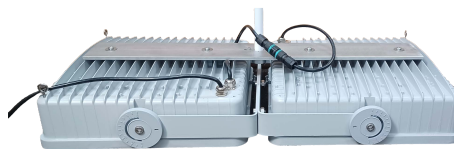
TECHNICAL INFORMATION



DIMENSIONS



DUAL MOUNT (DBA OPTION)

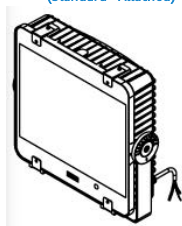


DBA: Two BL736 fixtures tandem mounted by top bracket with 1/2" IP hole for stem mount; Fixtures wired together with single line cord, 72"

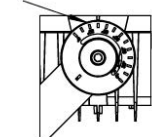
MOUNTING OPTIONS

FLOOD MOUNT

(Standard - Attached)

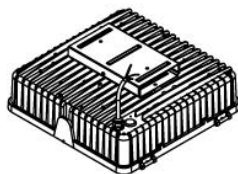


Aimable - 15° increments



SURFACE MOUNT

(Standard - Included)

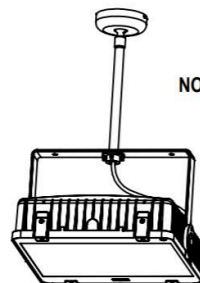


AIRCRAFT CABLE

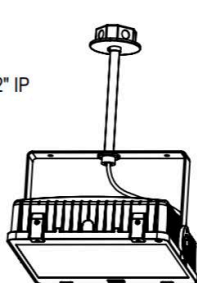
(1XAC50, 1XAC72)



SINGLE SWIVEL PENDANT

(1SPK12WADP, 1SPK24WADP,
1SPK48WADP)

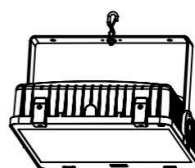
SINGLE PENDANT

(1PK12WADP, 1PK24WADP,
1PK48WADP)

NOTE: STEM IS 1/2" IP

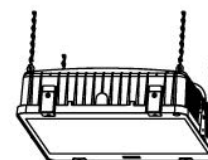
HOOK MOUNT

(HK1420)



CHAIN HANG

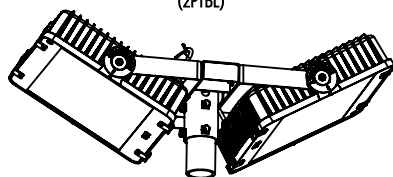
(4CH48)



(eye bolts are provided with fixture)

TWIN POST TOP MOUNT

(2PTBL)

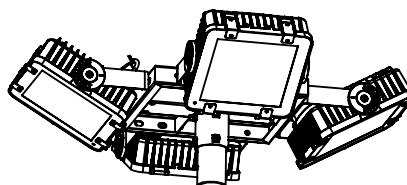


Slip-fit for 2-3/8" O.D. tenon/ pole

2PTBLWeight: 6.5 lbs
EPA: 0.20 sq ftBL736 (per unit)Weight: 21 lbs
EPA: 1.83 sq ft

QUAD POST TOP MOUNT

(4PTBL)



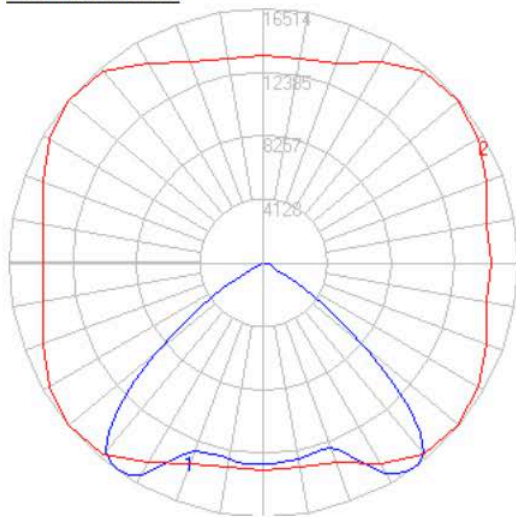
Slip-fit for 2-3/8" O.D. tenon/ pole

4PTBLWeight: 12.7 lbs
EPA: 0.20 sq ftBL736 (per unit)Weight: 21 lbs
EPA: 1.83 sq ft

PHOTOMETRICS

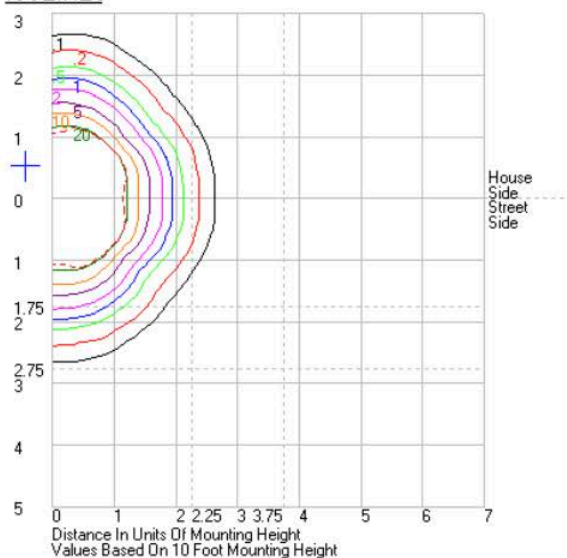
BL736HTHO4KT5

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 | | | |
|------|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|
| RW70 | 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 | 91 LPW | 150 | 13714 | >80 | >60,000 | >107,000 |
| BL736HTLO22KT5 | 113 LPW | 150 | 16988 | >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 | 91 LPW | 240 | 21941 | >80 | >60,000 | >107,000 |
| BL736HTHO22KT5 | 113 LPW | 240 | 27181 | >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 |

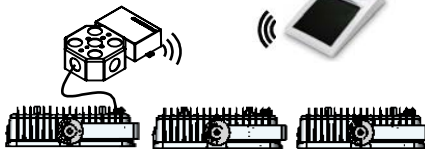


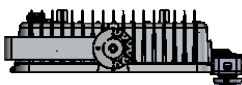

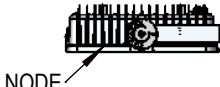


ELECTRICAL RATING

| PRODUCT | NOMINAL POWER (W) | AC CURRENT (A) | | | | 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) | | |
|--|---|---|--|---|---|
| RLY* Wireless Relay (Damp Location) | EMDCB* Remote Sensor (Damp Location) | SW1* Single Switch (Damp Location) | OS (Beghelli standard) (Wet Location) | SW1* Single Switch (Damp Location) | |
|  |  |  |  |  | |
| * Magnum control options also available (RLYM1 relay, MLM1 sensor, SW1M1 switch, NODM1 node and OSM1 sensor) | | | Note: OSB (bluetooth enabled) and OSBC (casambi enabled) sensors also available | | |
| <ul style="list-style-type: none">❖ Beghelli offers standard wired and wireless control solutions❖ Beghelli fixtures are compatible with most control solutions available in the market, consult factory for more details | | | NOD* Node | SW1* Single Switch (Damp Location) | EMDCB* Remote Sensor (Damp Location) |
| | | |  |  |  |

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