

EPLL Series

Linear Explosion-Proof LED Light

Project _____

Date _____ Type _____



EPLL-50K40-UGN-110

Available Models¹

- | | |
|--|--|
| <input type="checkbox"/> EPLL-40K40-UGN-110 | <input type="checkbox"/> EPLL-50K40-UGN-110 |
| <input type="checkbox"/> EPLL-40K80-UGN-110 | <input type="checkbox"/> EPLL-50K80-UGN-110 |
| <input type="checkbox"/> EPLL-40K120-UGN-110 | <input type="checkbox"/> EPLL-50K120-UGN-110 |

Part Number Breakdown

Example: EPLL-50K80-UGN-110

Family	Color Temperature	Wattage	Mounting	Finish	Conduit Connection Size	Beam Angle
EPLL	50K [5000K]	40 [40 W]	U [flood/ U-bracket included]	G [grey powder- coated finish]	N [3/4" NPT rear fitting size]	110 [110°]
		80 [80 W]				
		120 [120 W]				



Description

EPLL series linear explosion-proof lights are designed for use in hazardous locations where flammable gases may be present. Rugged construction withstands high vibration, shock, and impact. Linear form factor and various mounting options make these fit securely in almost any location.

Mechanical

- Gray (RAL 7035) powder-coated 6063 aluminum alloy housing and clear glass lens
- Housing has IK10 impact resistance rating and glass lens is rated to IK08
- Operating temperature of -40°-122° F (-40°-50° C)
- Class I, Division 2, Groups A, B, C, and D rated
- 3/4" NPT rear fitting size for conduit or mounting
- Includes yoke/U-bracket mount

Electrical

- 100-277 VAC input voltage
- 0-10 V dimmable
- 40 W, 80 W, and 120 W versions available
- 50,000 hour rated (L70) LED lifetime
- 10 kV L/N-PE, 6 kV L-N surge protection
- Power factor of ≥0.9

Photometrics

- Wide 110° beam angle
- High efficacy 140 lm/W
- 4000K or 5000K versions available

Application

Easily replace canopy lights as well as other common high and low bay lights. These lights are great solutions for granaries, farm buildings, refineries, wastewater and sewage treatment plants, mills, mines, repair shops, and paint booths.

Warranty

Five (5) Year Warranty

Certifications and Compliances

These lights are IP66 rated and are Certified by UL in compliance with UL 1598 (IFAM) and UL 844 (IFUX). These are explosion proof rated to Class I, Division 2, Groups A, B, C, and D. 40 W models have a T-Class rating of T4A. 80 W and 120 W models have a T-Class rating of T5.



Optional Accessories

- ☐ Surface/ceiling mount set (EPLL-CM)
- ☐ Hanging kit (EPLL-HM)
- ☐ 22 mm pipe mount set (EPLL-PM220)
- ☐ 27.5 mm pipe mount set (EPLL-PM275)
- ☐ 49 mm pipe mount set (EPLL-PM490)
- ☐ 61 mm pipe mount set (EPLL-PM610)
- ☐ Wire guard (EPLL-WG), 2 required for 120 W models



T 866.811.5550

F 314.972.6202

email: commercial-sales@superbrightleds.com

www.superbrightleds.com/cat/industrial-led-lighting/

Rev V2 Date: 10/30/2023

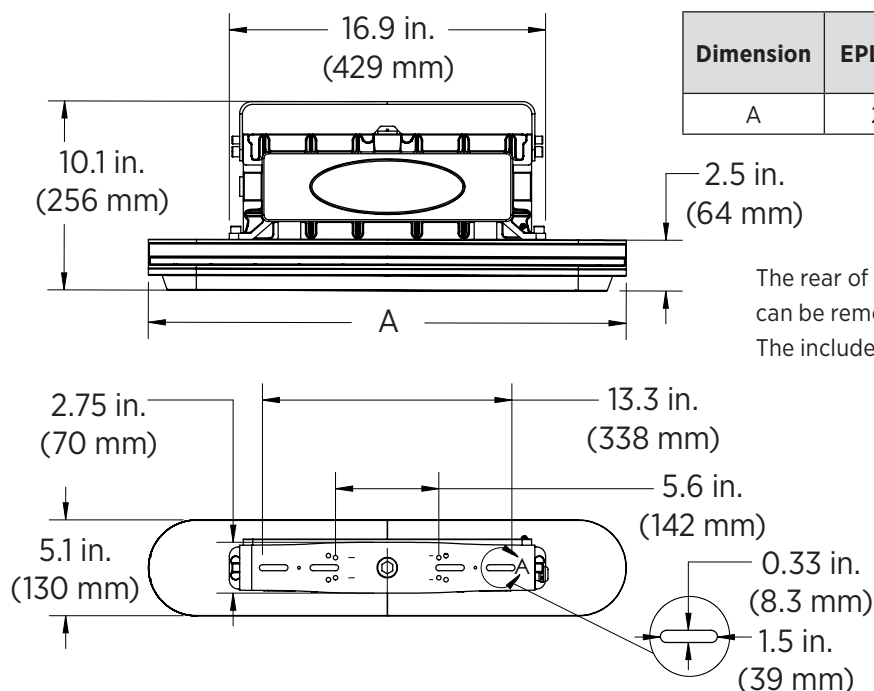
Specifications are subject to change without notice.

Printed in the U.S.A.

EPLL Series

Linear Explosion-Proof LED Light

Dimensional Drawing



Dimension	EPLL-50K40-UGN-110	EPLL-50K80-UGN-110 / EPLL-50K120-UGN-110
A	25.5 in. (648 mm)	51 in. (1.3 m)

The rear of the light has a 3/4" NPT thread plug which can be removed so the light can be connected to conduit. The included mounting bracket can rotate 90°.

Specifications

Model	EPLL-50K40-UGN-110	EPLL-50K80-UGN-110	EPLL-50K120-UGN-110
Intensity	5,600 lm	11,200 lm	16,800 lm
Efficacy	140 lm/W		
Input Voltage Range	100-277 VAC		
Power Consumption	40 W	80 W	120 W
Current Draw	333 mA @120 VAC 144 mA @277 VAC	667 mA @120 VAC 289 mA @277 VAC	1 A @120 VAC 433 mA @277 VAC
Output Equivalency	175 W metal-halide	250 W metal-halide	400 W metal-halide
Color Temperature	4000K or 5000K (as ordered)		
Beam Angle	110°		
CRI	70+		
Dimming	0-10 V		
Environmental Rating	IP66		
Ambient Operating Temperature	-40°-122° F (-40°-50° C)		
Product Weight	21.8 lb (9.9 kg)	32.25 lb (15.5 kg)	35.5 lb (16 kg)
Rated Life (L70)	50,000 hours		

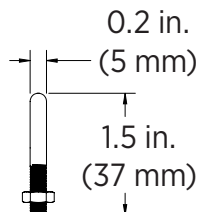
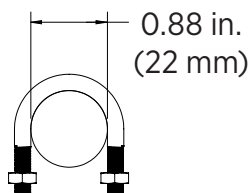


EPLL Series

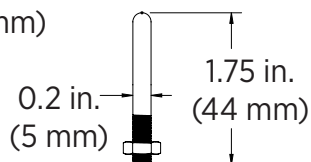
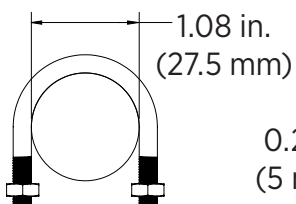
Linear Explosion-Proof LED Light

Accessory Images/Drawings

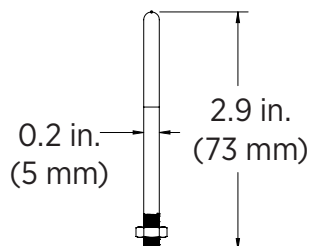
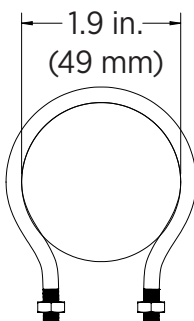
EPLL-PM220



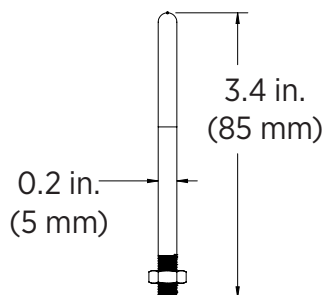
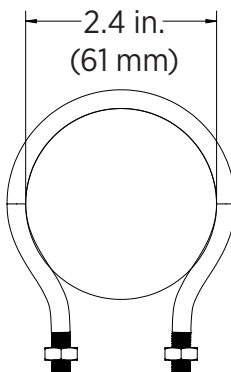
EPLL-PM275



EPLL-PM490



EPLL-PM610

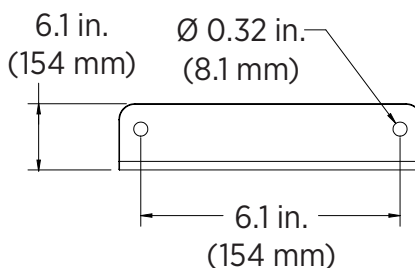
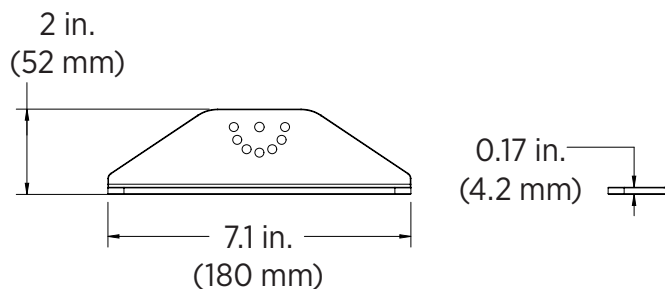


EPLL Series

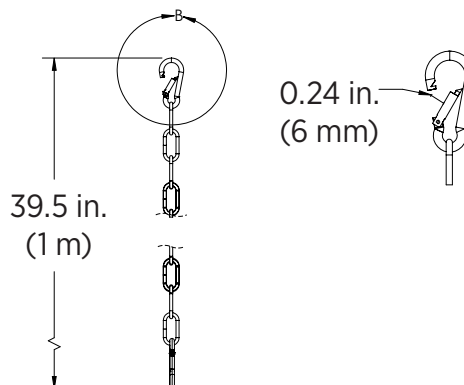
Linear Explosion-Proof LED Light

Accessory images/drawings

EPLL-CM



EPLL-HM



EPLL-WG (for EPLL-50K40-UGN-110)

EPLL-WG-2PK (for EPLL-50K80-UGN-110 or EPLL-50K120-UGN-110)

