PEL-C 10,400 a 19,500 lm

SUPRA

PEL-C by SUPRA, is designed and manufactured to be installed in areas with humidity, dirt, dust, corrosion, vibrations, or NEMA 3 and 4X areas where wind, water, snow, or high temperatures can be expected. Suitable for hazardous areas due to the presence of vapors, flammable gases, or combustible dust as defined by the NEC. Replaces HPS/MH, improves lighting efficiency while saving energy and maintenance costs.

- Durable LEDs resistant to 5G shocks and vibrations with weld-free plate connection.

- Safe and reliable heat transfer: offers a T T6 (CID1)/T4A (CID2, CIID2) classification.

- Copper-free aluminum body and frame resistant to corrosion, exposed fasteners made of 316-grade stainless steel. High-temperature silicone gaskets and glass diffuser resistant to thermal shocks and impacts. Features a lightweight and compact design with a high protection rating (IK09) (IP66).

SUGGESTED USE

Power plants

Heavy industrial product

warehouses

Paper mills

Water treatment plants

Loading dock platforms

Petrochemicals

WARRANTY 5 YEARS

Compliance / Certifications

- UL844
- Class I Division 1, Group C, D
- Class I Division 2, Group A, B, C, D
- Class II Division 2, Group F, G
- Class III
- Class I, Zone 1, Group IIB
- Class I, Zone 2, Group IIC
- Zone 22
- UL 1598 Wet Locations
- UL 1598A Marine Exterior
- (saltwater)
- CSA C22.2 No.137-M1981

- CSA C22.2 NO. 250.0
- 5G Vibration
- 1,000 hours of salt spray

* **DLC QPL LISTED**   **c(UL)us**

Not all variations of this product qualify for DLC. Visit www.designlights.org/search to confirm certification.

Benefits of our LED lighting

Improves lighting levels

Long lifespan

**IP66** High degree of protection

Lower kW/h consumption

SUPRA

PEL-C by SUPRA has a good color rendering index (CRI) and is available in three color temperature options (K):

3000K Warm White: This light tone provides a soft illumination that invites relaxation.

4000K Neutral White: Emits a natural brightness ideal for common areas and medium-detail workspaces.

5000K Cool White: Provides a bright daylight-like environment, ideal for medium to high-detail workspaces.

WARM LIGHT

3000 K

4000 K

5000 K

COOL LIGHT

IRC >70
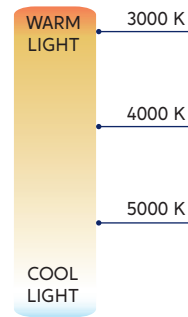
Electrical Characteristics

- Electronic driver
- Universal voltage: AC 120 - 277, 347 - 480 V~ (50/60 Hz)
- Power factor: > 0.9
- Surge protection: 4kV
- Operating temperature: -40°C to 60°C
- Input types: 3 x NPT3/4 (one at the top and two on the sides)
- Terminations: 3 x NPT3/4 (one at the top and two on the sides)
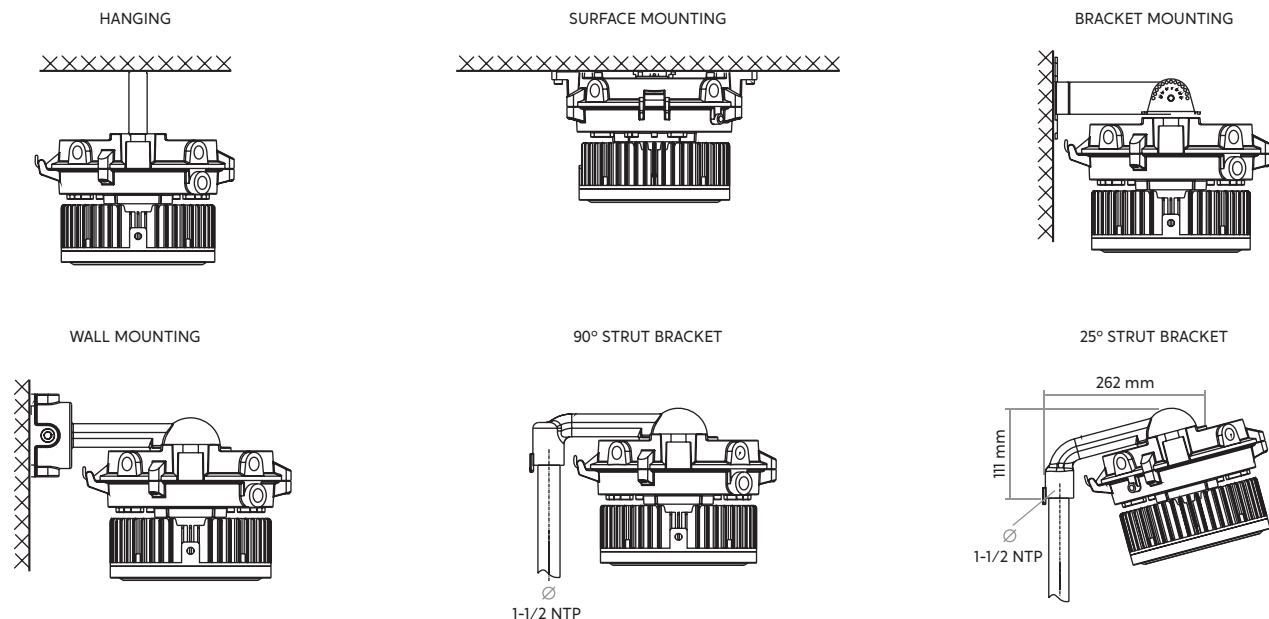- Average life: 50,000 hours

Lumen Maintenance

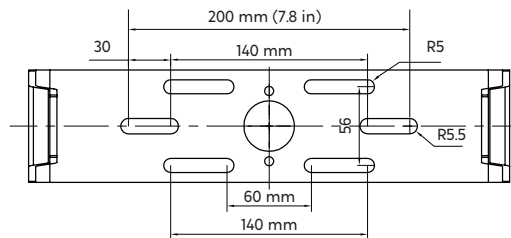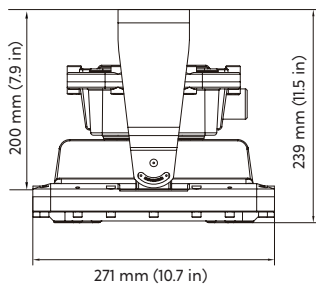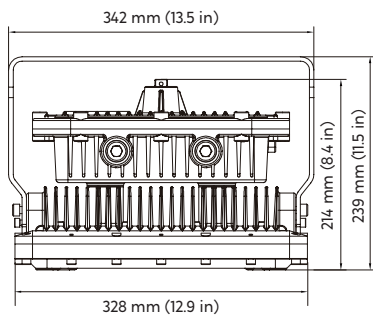- L70: > 170,000 hours of operation at 60 rating
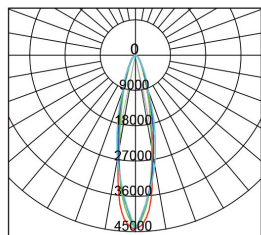
Installation Manual

Installation

HANGING

SURFACE MOUNTING

BRACKET MOUNTING

WALL MOUNTING

90° STRUT BRACKET

Ø 1-1/2 NTP

25° STRUT BRACKET

262 mm

111 mm

Ø 1-1/2 NTP

Dimensions

342 mm (13.5 in)

214 mm (8.4 in)

239 mm (11.5 in)

328 mm (12.9 in)

200 mm (7.9 in)

200 mm (7.9 in)

239 mm (11.5 in)

271 mm (10.7 in)

WEIGHT: 15.5 kg

200 mm (7.8 in)

30

140 mm

R5

R5.5

56

60 mm

140 mm

LIGHT DISTRIBUTION

25°

0
9000
18000
27000
36000
45000

— C0/180,22.4
— C30/210,21.5
— C60/240,23.7
— C90/270,25.8

60°

0
3000
6000
9000
12000
15000
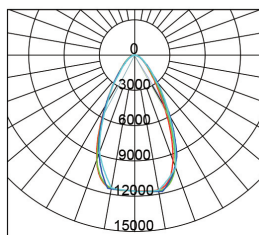
— C0/180,56.0
— C30/210,56.7
— C60/240,58.4
— C90/270,56.9

120°

0
900
1800
2700
3600
4500
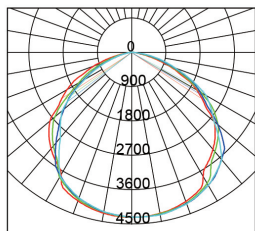
— C0/180,114.5
— C30/210,114.1
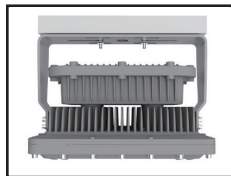— C60/240,110.6
— C90/270,113.2

ACCESSORIES AND OPTIONS

PEL-C Mounting

Hanging

Screwed on Ceiling

Screwed on Wall

Post Tip

Anti-glare Visor

Safety Cable

UB01

Stainless steel U-shaped bracket for ceiling and wall.

UB03

Stainless steel U-shaped bracket for ceiling and wall, anti-vibration.

UB04

Stainless steel U-shaped bracket, 360° rotation.

SN01

Stainless steel accessory for post tip.

SP01 / SP02

10 kV surge protector.

WG01

Stainless steel protective guard.

SP01 / SP02

Stainless steel safety cable.

WG01

Stainless steel anti-glare visor to prevent glare.

3000 K, 4000 K, 5000 K						
FAMILY	WATT CODE	IRC	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICIENCY
PEL-C	80	≥70	10,400 lm	277 V	80 W	130 lm/W*
PEL-C	100	≥70	13,000 lm	277 V	100 W	130 lm/W*
PEL-C	150	≥70	19,500 lm	277 V	150 W	130 lm/W*

*Value calculated based on 5000 K, varies according to different specifications.

Order Example:

FAMILY	VOLTAGE	BEAM ANGLE	DIFFUSER	COLOR

PEL-C - **80** - **V01** - **750** - **60°** - **26** - **T** - **U** - **GR** - **UB01**

MODEL	COLOR CODE	HAZLOC	MOUNT TYPE	ACCESSORIES
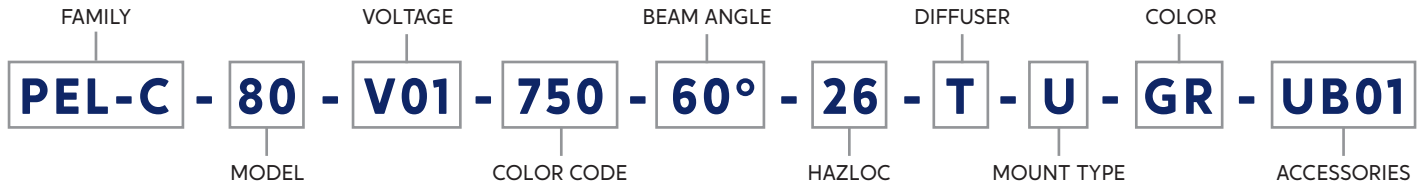
Series to Order:

PEL-C

FAMILY	MODELO	VOLTAGE	COLOR CODE	BEAM ANGLE	HAZLOC	DIFFUSER (COVER)	MOUNT TYPE
PEL-C: Series	80: 80W 100: 100W 150: 150W	V01: AC100-277V V04: AC277-480V	730: 70 IRC y 3000 K 740: 70 IRC y 4000 K 750: 70 IRC y 5000 K	25°: 25° 60°: 60° 110°: 120°	1: CID1 26: CID2,CIID2	T: Transparent Glass D: Diffused Glass	P: NPT 3/4 Hanging U: NPT 3/4 Hanging + U Bracket

COLOR	ACCESSORIES
DG: Dark Gray BL: Black WT: White BZ: Bronze	UB01: U Bracket UB03: Anti-vibration U Bracket UB04: 360° U Bracket SN01: 2" Pole Top Accessory SP01: 10 kV Surge Protector 100~277 V SP02: 10 kV Surge Protector 347~480 V WG01: Steel Guard AC01: Steel Safety Cable LS05: Anti-glare Visor 00XX: No Accessory **Note:** This field is optional. Accessories have additional costs. These accessories are not compatible with each other.

5 YEARS WARRANTY

SUPRA guarantees the quality of this product against internal functionality failures for 5 years, provided that our established warranty policies are adhered to. This warranty is applicable to all our direct customers. For more information, please visit our website at www.supradesarrollos.com/garantía