



TECHNICAL SHEET

PEL-K by SUPRA, is designed and manufactured for installation in areas with humidity, dirt, dust, corrosion, vibrations, or NEMA 3 and 4X areas where wind, water, snow, or extreme 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 by saving energy and maintenance costs.

- Durable LEDs resistant to impacts and vibrations with solderless plate connection.
- Safe and reliable heat transfer: offers a T T6/T4A classification.
- Aluminum body and frame free of copper resistant to corrosion.
- Exposed fasteners with stainless steel.
- High-temperature silicone gaskets.
- Glass diffuser resistant to thermal shocks and impacts (IK08).
- Lightweight and compact design with a high degree of protection (IP66).

Compliance / Certifications

- UL844
- Class I Division 2, Groups A, B, C, D
- Class II Division 1, Groups E, F, G
- Class II Division 2, Groups F, G
- Class III, Division 1
- Simultaneous presence
- UL 1598A marine exterior type
- UL 1598 wet locations
- UL 8750 LED Safety*
- DLC*
- CSA C22.2 No. 250.0-08, 250.13*
- FCC*

* Only for models 40, 45, 60, and 65



SUGGESTED USE

- Power plants
- Industrial product warehouses
- Paper factories
- Water treatment plants
- Petrochemicals
- Loading dock platforms



Benefits of Our LED Lighting



Improves lighting levels



Long lifespan



High degree of protection



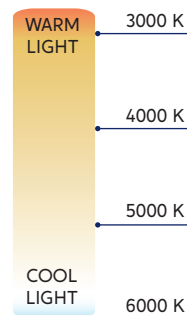
Lower kW/h consumption

PEL-K 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 an ideal natural brightness for common areas and medium-detail work areas.

5000K Cool White: Provides a bright daylight ambiance, ideal for medium-high detail work areas.



Electrical Characteristics

- Electronic Driver
- Operating Voltage: 100 - 277 V~ and 347 - 480 V~
- Power Factor: > 0.95
- Operating Temperature: -40°C to 55°C
- Average Life: 50,000 hours

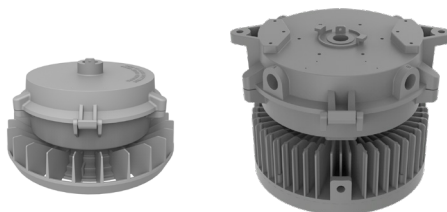
Maintained Lumens

- For 45 and 65: L70 81.1% @ 50,000 hours of operation.
- For 80, 120, 150, and 200: L70 > 145,000 hours.



Installation

It can be installed fixed to the ceiling or suspended by conduit pipe. This product offers more installation methods due to its variety of accessories for each of its different PEL-K cabinet types.

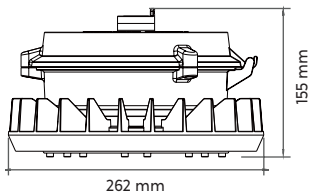


Installation Manual



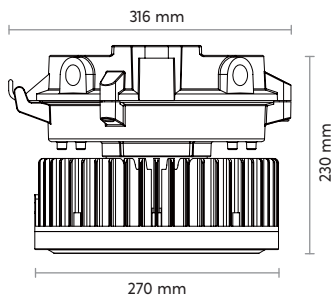
Dimensions

PEL-K (45 y 65)



PESO: 4.9 kg

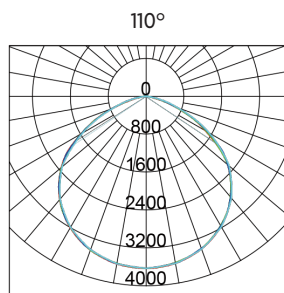
PEL-K (80, 120, 150, 200)



PESO: 8.9 - 9.8 kg

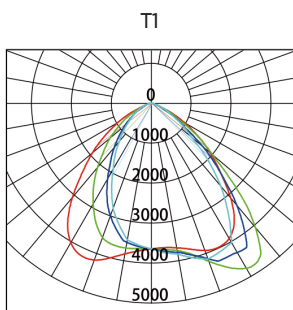
LIGHT DISTRIBUTION

PEL-K (45 y 65)

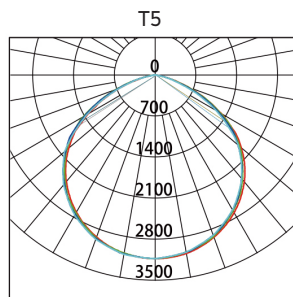
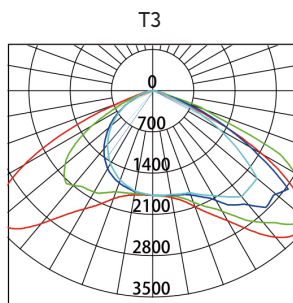


- C0/180, 113.0°
- C30/210, 112.9°
- C60/240, 113.6°
- C90/270, 112.9°

PEL-K (80, 120, 150, 200)



- C0/180, 102.1
- C30/210, 94.2
- C60/240, 77.3
- C90/270, 72.6



ACCESSORIES AND OPTIONS FOR PEL-K 40, 45, 60, AND 65

PEL-K 40, 45, 60, and 65 Mounting



Pendant



Ceiling Mount

JB01

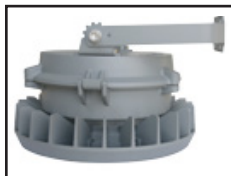


Ceiling box NPT 3/4"
Made of aluminum
Painted gray

PB01



Wall U-bracket
Pipe (SUS 304)
Stainless steel



Bracket



25° Pole

WL25



25° Wall Mount
NPT 3/4" aluminum
Painted gray

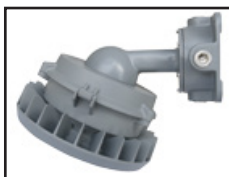
WL90



90° Wall Mount
NPT 3/4" aluminum
Painted gray



90° Pole



25° Wall



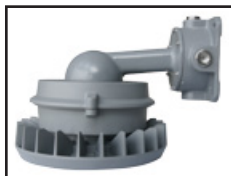
SN2501

25° Pole
NPT 1.25" (1.660" Pole OD)
Sliding post mount



SN9001

90° Pole
NPT 1.25" (1.660" Pole OD)
Sliding post mount



90° Wall

SN2502

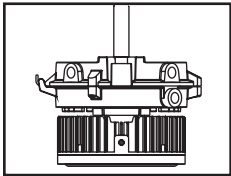
25° Pole
NPT 1.50" (1.900" Pole OD)
Sliding post mount

SN9002

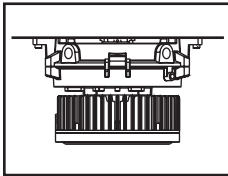
90° Pole
NPT 1.50" (1.900" Pole OD)
Sliding post mount

ACCESSORIES AND OPTIONS FOR PEL-K 80, 120, 150, 200

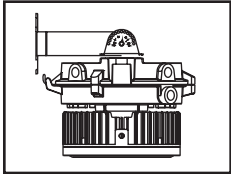
Mounting for PEL-K 80, 120, 150, and 200



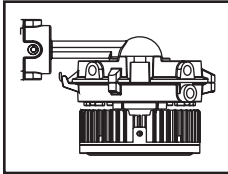
Pendant



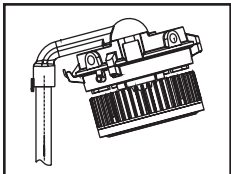
Ceiling Mount



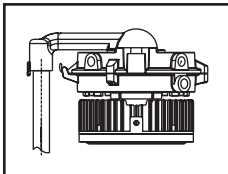
Bracket



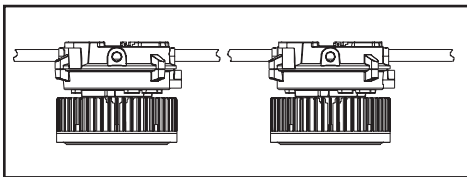
Wall Mount



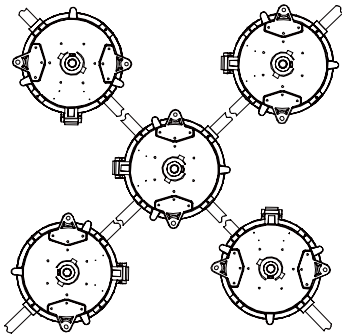
25° Pole



90° Pole



Row Mount



PB03



U-shaped wall support tube (SUS 304) for models 100~277 V

PB04



U-shaped wall support tube (SUS 304) for models 347~480 V

WG07



Stainless steel wire guard

WG08



Stainless steel protection basket

SN2503

25° Pole
NPT 1.25" (1.660" Pole OD)
Slip fitter mounting

SN9003

90° Pole
NPT 1.25" (1.660" Pole OD)
Slip fitter mounting

SN2504

25° Pole
NPT 1.50" (1.900" Pole OD)
Slip fitter mounting

SN9004

90° Pole
NPT 1.50" (1.900" Pole OD)
Slip fitter mounting

WL90-M



90° Wall mount
NPT 3/4" painted grey
A356 AL aluminum

Electrical

SP01 / SP02



Surge protector of 10 kV

CA01



3' SJTO-18/3 cable (factory installed)

SP05 / SP06



Overload protector of 20 kV

SC01



Stainless steel safety cable



3000 K, 4000 K, 5000 K (730, 740, 750)

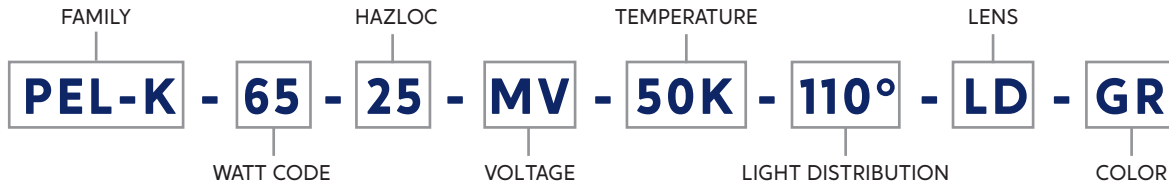
FAMILY	WATT CODE	CRI	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICACY
PEL-K	40	≥70	6,000 lm	277 V	40 W	150 lm/W
PEL-K	45	≥70	6,750 lm	277 V	45 W	150 lm/W
PEL-K	60	≥70	9,000 lm	277 V	60 W	150 lm/W
PEL-K	65	≥70	9,750 lm	277 V	65 W	150 lm/W



3000 K, 4000 K, 5000 K (830, 840, 850)

FAMILY	WATT CODE	CRI	LUMINOUS FLUX	VOLTAGE	WATTS	EFFICACY
PEL-K	80	≥80	12,000 lm	277 V	80 W	150 lm/W
PEL-K	120	≥80	18,000 lm	277 V	120 W	150 lm/W
PEL-K	150	≥80	22,500 lm	277 V	150 W	150 lm/W
PEL-K	200	≥80	30,000 lm	277 V	200 W	150 lm/W

Example Order:



Serie para ordenar:

PEL-K

FAMILY	WATT CODE	HAZLOC	VOLTAGE	TEMPERATURE	LIGHT DISTRIBUTION	LENS	COLOR
PEL-K: Series	40: 40 W 45: 45 W 60: 60 W 65: 65 W	25: CID2, CIID1	MV: 100 - 277 V~ HV: 347 - 480 V~	30K: 3000 K 40K: 4000 K 50K: 5000 K	110°: 110° 130°: 130°	LT: Transparent LD: Flat diffuser DL01: Drop	GR: Gray BL: Black WT: White BZ: Bronze

ACCESSORIES

JB01: 3/4" NPT box type
PB01: U Bracket (SUS 304)
WL25: 25° wall mount
WL90: 90° wall mount
SN2501: 25° Pole (1.25" NPT)
SN2502: 25° Pole (1.50" NPT)
SN9001: 90° Pole (1.25" NPT)
SN9002: 90° Pole (1.50" NPT)

Note: This field is optional. Accessories have additional costs. These accessories are not compatible with each other.



SUPRA guarantees the quality of this product for 5 years against internal functional failures as long as our established warranty policies are followed. This warranty is applicable to all our direct customers. For more information, visit our website www.supradesarrollos.com/garantia.

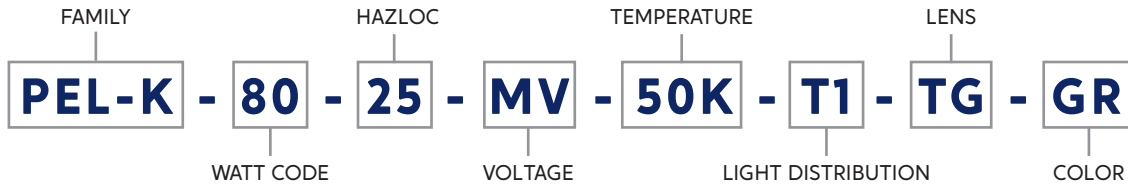
500 W 2nd St. Floor 19
 Austin, TX 78701

The images as well as the information contained in this document may undergo changes. Please consult your SUPRA Advisor before placing your order.

Rev03: 08/2023

HOW TO ORDER THE PEL-K 80, 120, 150 AND 200 SERIES

Example order:



Series to order:

PEL-K

FAMILY	CODE DE WATT	HAZLOC	VOLTAGE	TEMPERATURE COLOR	DISTRIBUTION OF LIGHT	LENS	COLOR
PEL-K: Series	80: 80 W 120: 120 W 150: 120 W 200: 120 W	25: CID2, CIID1	MV: 100 - 277 V~ HV: 347 - 480 V~	30K: 3000 K 40K: 4000 K 50K: 5000 K	T1: TYPE I T3: TYPE III T5: Without lens	TG: Transparent glass DG: Diffused glass BG: Balloon Drop Glass CP: PC Sure FP: Tarnished PC BD: Balloon Drop	GR: Gray BL: Black WT: White BZ: Bronze

ACCESSORIES

PB03: U-Bracket (SUS304) 100~277V
PB04: U-Bracket (SUS304) 347~480V
WL90: Wall fixing-90°
SN2503: 25° prop (NPT 1.25")
SN2504: 25° prop (NPT 1.50")
SN9003: 90° prop (NPT 1.25")
SN9004: 90° prop (NPT 1.50")
WG07: Protective wire

WG08: Protective cable for balloon drop
SC01: Safety cables
CA01: Cable SJTOW-18/3 of 3
CA-X: Cable, shipping upon request
SP01: 10kV Surge Protector for 120~277V
SP02: 10kV Surge Protector for 347~480V
SP05: 20kV Surge Protector for 120~277V
SP06: 20kV Surge Protector for 347~480V

Note: This field is optional. Accessories have an additional cost. These accessories are not compatible with each other.



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