Reset Form

KIM LIGHTING

WP9S-LED-KIT

WARP9® - Small, Electronic - LED Upgrade Kit

revision 9/6/11 • kim_wp9sledkit_spec.pdf

Type:
Job:
Catalog number:

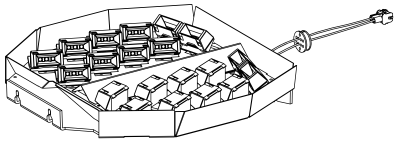
	/	/
LED Kit	Electrical Module	Option

Approvals:

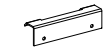
Date:
Page: 1 of 4

Specifications

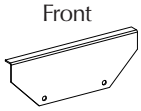
WP9S-LED-KIT
60 Light Emitting Diodes
Maximum Weight = 30 lbs.
when installed in Warp9 LED



LED EmitterDeck

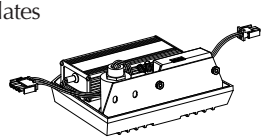


Front



Back

Drilling Templates



Electrical Module

Electronic Module: All electrical components are UL recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, LifeShield® temperature control device and surge protector. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

Optical Module: Precision, replaceable MicroEmitters are positioned to achieve directional control toward desired task. The entire EmitterDeck fastens to the housing as a one-piece module.

Warranty: Kim Lighting warrants LED Upgrade Kit products ("Product(s)") sold by Kim Lighting to be free from defects for (i) a period of six (6) years for LED Light Engines (MicroEmitters), (ii) a period of five (5) years for LED power components (LED Driver, LifeShield device, Surge Protector) and (iii) for a period of one (1) year for the re-used metal housing components of the existing luminaire from the date of sale of the LED Upgrade Kit to the buyer as specified in Kim Lighting shipment documents for each Product(s).

NOTE: Existing product conditions are taken as the base point. Participation rules apply. See complete warranty provisions for further details.

IMPORTANT: Disable all power to the luminaire before conducting any maintenance or upgrade activity. Failure to do so will create a hazardous working environment.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Suggested Tools:
- 3/8" Socket Wrench
- 5/16" Wrench
- Hammer; Drill Motor
- .626" (#20) Drill Bit
- Center Punch
- 1/4" Drill Bit

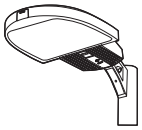
Listings and Ratings		
UL cUL 1598[1]	CE	25˚C Ambient

[1]Suitable for wet locations after installed in fixture.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

HUBBELL LIGHTING, INC.

 • P.O. BOX 60080, CITY OF INDUSTRY, CA 91716-0080 • TEL: 626/968-5666 • FAX: 626/369-2695



Standard Features

Fixture
Cat. No. designates fixture and distribution

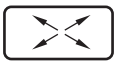
WP9S-LED-KIT x

Upgrade Kit:
WP9S-LED-KIT

Distribution:

- ☐ 1 = Type I
- ☐ 2 = Type II
- ☐ 3 = Type III
- ☐ 4 = Type IV
- ☐ 4NB= Type IV-No Backlight
- ☐ 5 = Type V
- ☐ L = Type L Left
- ☐ R = Type R Right

Light Distribution:


TYPE I


TYPE II


TYPE III


TYPE IV


TYPE IV-NB
No Backlight


TYPE V


TYPE R
One-Way Right


TYPE L
One-Way Left

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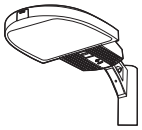


Standard Features

Electrical Module

Cat. Nos. for Electrical Modules available:

60L xK x

Source:
60L = 60 LED's

Color Temperature:[1]
☐ 3K = 3500K
☐ 5K = 5100K
☐ 2K = 580nm - Amber

Voltage:
☐ 120 = 120V
☐ 208 = 208V
☐ 240 = 240V
☐ 277 = 277V
☐ 347 = 347V[2]
☐ 480 = 480V[2]

[1]4300K and 6500K are also available on an "Engineered-to-Order" (ETO) basis.

[2]Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.

Fixture	Total System Watts	Volt	Operating Amps
WP9-Small	73	120	0.61
WP9-Small	73	208	0.35
WP9-Small	73	240	0.30
WP9-Small	73	277	0.26
WP9-Small	73	347	0.21
WP9-Small	73	480	0.15

Finish

Super TGIC powder coat paint over titanated zirconium conversion coating.

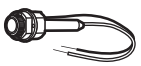
Color: Black Dark Bronze Light Gray Stealth Gray Platinum Silver White Custom Color[1]
Cat. No.: ☐ **BL** ☐ **DB** ☐ **LG** ☐ **SG** ☐ **PS** ☐ **WH** ☐ **CC**

[1]Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____

Option Features

Fusing
Cat. No. **(see right)**
☐ **No Option**

High temperature fuse holders factory installed inside the fixture housing. Fuse included.



Single Fuse

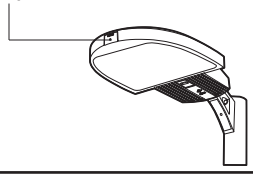
Line Volts:	120V	208V	240V	277V	347V	480V
Cat. No.:	☐ **SF**	☐ **DF**	☐ **DF**	☐ **SF**	☐ **SF**	☐ **DF**

Tamper-Resistant Latch
Cat. No. ☐ **TL**
☐ **No Option**

Standard die-cast latch is provided with a captive 10-32 stainless steel flat socket-head screw to prevent unauthorized opening.

NOTE: Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.

Tamper Resistant Latch



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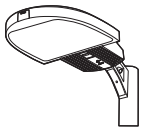
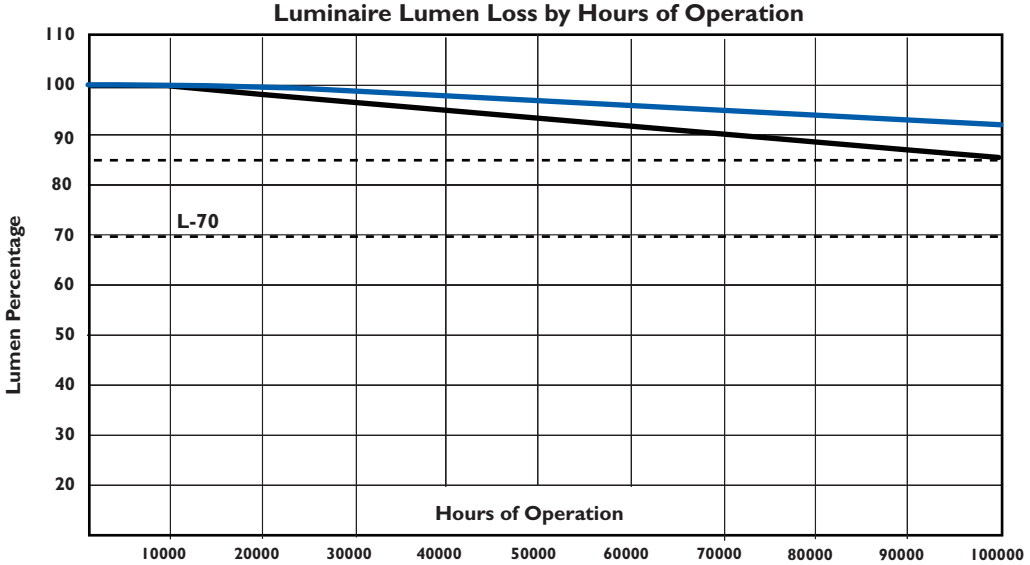


Lumen Performance Charts

NOTES:

1. Lumen loss stablization is a result of Kim Lighting's MicroEmitter™ luminaires exclusive LifeShield® Protection System and Dual Heat Management.
2. The LifeShield Protection System will lower the current to the LEDs significantly if the luminaire is exposed to direct heat (sun) or excessive abnormal conditions.
3. Luminaire Lumen Loss assumptions are based on LM-80 results and an actual outdoor product testing based upon 5100K CCT, 350mA drive current. 25°C/77°F tab ambient and cathode temperature at 85°C/185°F. Assumptions past 6,000 hours are interpolated.
4. Cathode temperature baseline is at 85°C/185°F. If cathode temperature increases during ambient changes and abnormal environment conditions, % of rated lumens will slightly decrease.
5. Outdoor ambient temperatures are assumed SITU average by geographic region.
6. As Solid State Lighting technology and thermal management systems continually advance, lumen loss projections are subject to improvement.

Luminaire Lumen Loss by Hours of Operation



Outdoor Temperature at 10°C/50°F. Temperature is based on continual average, annual assumptions.

Outdoor Temperature at 40°C/104°F. Temperature is based on continual average, annual assumptions.

Luminaire Output at Outdoor Ambient Temperatures