

Type:
Job:
Catalog number:

LED Kit / /
Electrical Module Option



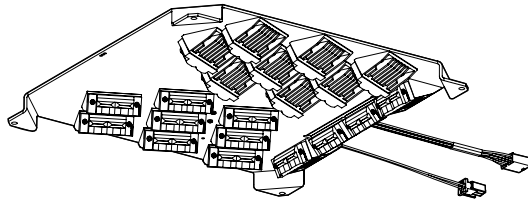
Approvals:

Date:
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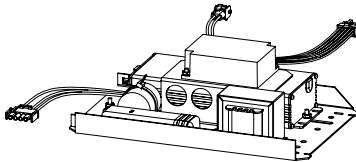
Specifications

STS-LED-KIT

80 Light Emitting Diodes
94 System Watts for 350mA
184 System Watts for 700mA
Maximum Weight is 45 lbs.
when installed in Structural LED



LED EmitterDeck®



Electronic Module

Electronic Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, thermal 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.

Optical Module: Precision, IP66 replaceable PicoPrism™ modules are positioned to achieve directional control toward desired task. The entire light engine fastens to the housing as a one-piece module

Dimming: Driver has a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers.

Listed to: UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires. RoHS compliant. Meets Buy American provisions within ARRA.

Warranty: Kim Lighting warrants Structural LED products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years for LED Light Engines (PicoPrisms™ and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield® device), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product. Occupancy sensors, Surge Protector, dimmers and relay wiring components are covered by the manufacturer's warranty.

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:

- Phillips Screw Driver
- Large Flat Blade Screw Driver

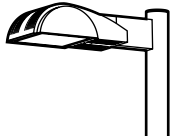
WARNING: PicoPrism luminaires are designed with open door frame, no lens. When installing an Upgrade Kit, the **glass lens must be removed** due to the increased current of the Picoprism assemblies. Reference HID to PicoPrism Upgrade Kit Installation sheet for instructions.



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Standard Features

Fixture

Cat. No. designates fixture and distribution

STL-LED-KIT

Upgrade Kit:
STL-LED-KIT

x

Distribution:

- 1 = Type I
- 2 = Type II
- 3 = Type III
- 4 = Type IV
- 5 = Type V
- L = Type L Left
- R = Type R Right

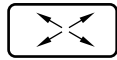
P

Optic:
P = PicoPrism™

xx

Current:
35 = 350 mA
70 = 700 mA

Light Distribution:



TYPE I



TYPE II



TYPE III



TYPE IV



TYPE V



TYPE R
One-Way Right



TYPE L
One-Way Left

Electrical Module

Cat. Nos. for Electrical Modules available:

80L

Source:
80L = 80 LED's

xK

Color Temperature:

- 2K = 580nm - Amber
- 3K = 3000K
- 4K = 4200K
- 5K = 5100K

x

Voltage:

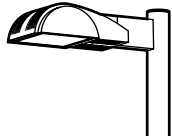
- 120 = 120V¹
- 208 = 208V¹
- 240 = 240V¹
- 277 = 277V¹
- 347 = 347V
- 480 = 480V

¹120V through 277V is a variable driver.

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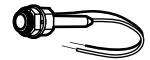
Optional Features

Fusing

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

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

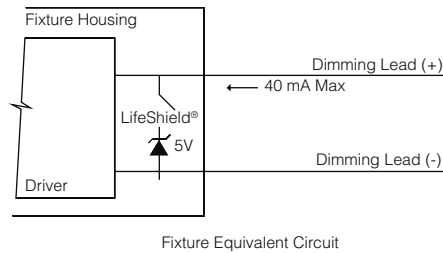
Line Volts: 120V 208V 240V 277V 347V 480V
 Cat. No.: SF DF DF SF SF DF



Single Fuse

0-10V Dimming Interface

Driver has a 0-10V dimming interface with a dimming range of 10-100%. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers.



Neighbor Friendly Optic:

Cat. No. NFO
 No Option

Integrated Neighbor Friendly Optic on each PicoPrism™ module to completely control unwanted backlight. Most effective with Type III and IV distributions.



TYPE III-NFO

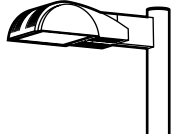


TYPE IV-NFO

Type:

Job:

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Lumen Data

Spectroradiometric				Projected Lumen Maintenance		
	3000K Average	4200K Average	5100K Average	mA	50,000 hrs	100,000 hrs
Correlated Color Temp. CCT (K)	2800K - 3175K	3800K - 4600K	4600K - 5600K	350 mA	96.81%	94.77%
Color Rendering Index (CRI)	≥75	≥70	≥65	700 mA	92.00%	86.90%
Power Factor	>.90	>.90	>.90			

Electrical Drive Current					
350mA			700mA		
Volts - AC	Amps - AC	System Watts	Volts - AC	Amps - AC	System Watts
120	0.78	94	120	1.53	184
208	0.45	94	208	0.88	184
240	0.39	94	240	0.77	184
277	0.34	94	277	0.66	184
347	0.27	94	347	0.53	184
480	0.20	94	480	0.38	184

B.U.G. Rating for 350mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B2 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G3
4200K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G3
5100K	B4 U0 G4	B3 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G3	B0 U0 G3	B3 U0 G2	B3 U0 G3

Absolute Lumens for 350mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	7231	7175	7029	6205	7083	6398	7275	7091
4200K	9232	9160	9081	7921	9043	8169	9289	9052
5100K	9777	9701	9504	8389	9320	8651	9837	9587

B.U.G. Rating for 700mA (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	N/A	N/A	B4 U0 G2	B3 U0 G3
4200K	B4 U0 G4	B4 U0 G4	B3 U0 G4	B3 U0 G4	B1 U0 G4	B0 U0 G4	B4 U0 G2	B3 U0 G3
5100K	B4 U0 G4	B4 U0 G4	B3 U0 G4	B3 U0 G4	B1 U0 G4	B0 U0 G4	B4 U0 G2	B3 U0 G3

Absolute Lumens for 700mA								
Temperature	Type I	Type II	Type III	Type III NFO	Type IV	Type IV NFO	Type V	Type L/R
3000K	12962	12862	13448	11960	12753	11511	13597	12570
4200K	15600	15479	16185	14393	15262	13853	16364	15128
5100K	17055	16923	17695	15736	16780	15146	17891	16540

LED performance and lumen output continues to improve at a rapid pace. Log onto www.kimlighting.com to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.

For warranty see <http://www.hubbellighting.com/resources/warranty>