

Type:
Job:
Catalog number:

LED Kit / /
Electrical Module Option



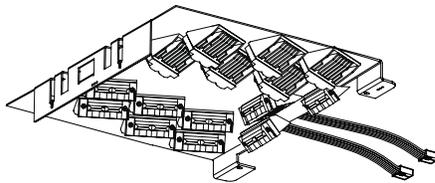
Approvals:

Date:
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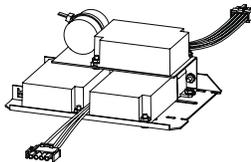
Specifications

STS-LED-KIT

440 Light Emitting Diodes
46 total System Watts for 350mA
92 total System Watts for 700mA
Maximum Weight is 25 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.



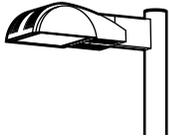
US Patent Number D674,965 S.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Type:

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Standard Features

Fixture

Cat. No. designates fixture and distribution

STS-LED-KIT

Upgrade Kit:
STS-LED-KIT

x

Distribution:

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

P

Optic:

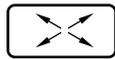
P = PicoPrism™

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:

40L

Source:

40L = 40 LED's

xK

Color Temperature:

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

x

Voltage:

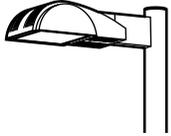
- 120 = 120V¹
- 208 = 208V¹
- 240 = 240V¹
- 277 = 277V¹
- 347 = 347V
- 480 = 480V

¹120V through 277V is a variable driver.

Type:

Job:

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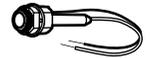


Optional Features

Fusing

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

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

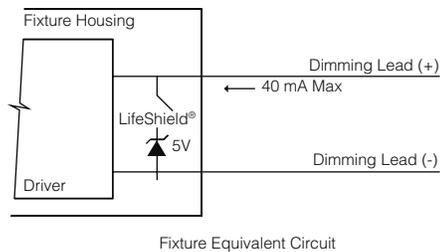


Line Volts: 120V 208V 240V 277V 347V 480V
 Cat. No.: SF DF DF SF SF DF

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

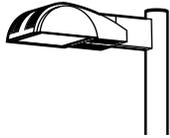


TYPE IV-NFO

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	96.68%	94.51%
Color Rendering Index (CRI)	≥75	≥70	≥65	700 mA	93.57%	89.89%
Power Factor	>.90	>.90	>.90			

Electrical Drive Current					
350mA			700mA		
Volts - AC	Amps - AC	System Watts	Volts - AC	Amps - AC	System Watts
120	0.38	46	120	0.77	92
208	0.22	46	208	0.44	92
240	0.19	46	240	0.38	92
277	0.17	46	277	0.33	92
347	0.13	46	347	0.27	92
480	0.10	46	480	0.19	92

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	B2 U0 G2	B2 U0 G2	B1 U0 G1	B1 U0 G1	B0 U0 G2	B0 U0 G2	B3 U0 G3	B2 U0 G2
4200K	B3 U0 G3	B2 U0 G2	B1 U0 G2	B1 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G3	B2 U0 G2
5100K	B3 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G3	B2 U0 G2

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	3747	3644	3634	3242	3727	3385	3740	3658
4200K	4638	4511	4498	4013	4614	4191	4630	4528
5100K	4967	4831	4817	4298	4941	4488	4958	4849

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	B3 U0 G3	B2 U0 G2	N/A	N/A	B0 U0 G2	B0 U0 G2	B3 U0 G3	B2 U0 G2
4200K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G2	B0 U0 G2	B3 U0 G3	B3 U0 G3
5100K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G2	B0 U0 G2	B3 U0 G3	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	6247	6214	6115	5493	6239	5694	6420	6131
4200K	7912	7870	7754	6956	7902	7211	8131	7765
5100K	8220	8176	8046	7227	8209	7492	8447	8067

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>