

**Type:**  
**Job:**  
**Catalog number:**



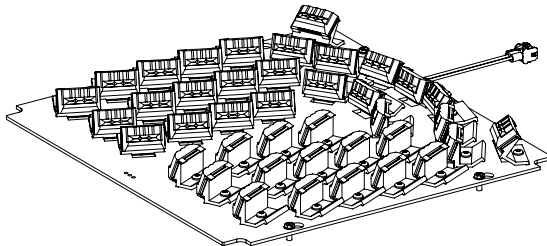
**Approvals:**

LED Kit / Electrical Module / Option

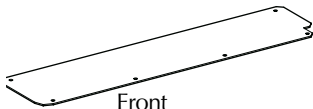
**Date:**  
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**WD18-LED-Kiit**

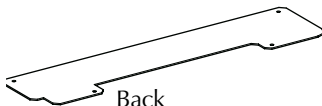
120 Light Emitting Diodes  
 Maximum Weight = 43 lbs.  
 when installed in Wall Director LED  
 Total Max System Watts = 127W



LED EmitterDeck®

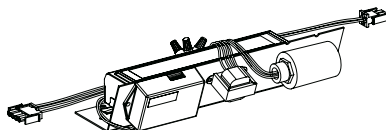


Front



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 PicoEmitters 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 (PicoEmitters), (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).

**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.

**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:**

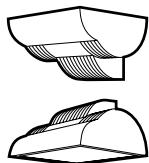
- .165 Drill Bit
- Center Punch
- Hammer
- Vice Grip
- Flathead Screw Driver
- Screw Gun
- 5/16" Socket

*Kim Lighting reserves the right to change specifications without notice.*

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## Standard Features

### Fixture

Cat. No. designates fixture and distribution

WD18-LED-KIT

**Upgrade Kit:**  
WD18-LED-KIT

x  
**Distribution:**  
 2 = Type II  
 3 = Type III  
 4 = Type IV

E  
**Optic:**  
E = PicoEmitter™

35  
**Current:**  
35 = 350 mA

### Light Distribution:



TYPE II



TYPE III



TYPE IV

### Electrical Module

Cat. Nos. for Electrical Modules available:

120L  
**Source:**  
120L = 120 LED's

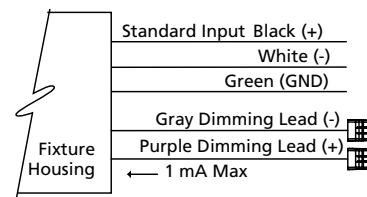
**Color Temperature:<sup>1</sup>**  
 2K = 580nm - Amber  
 3K = 3000K  
 4K = 4200K  
 5K = 5100K

x  
**Voltage:**  
 120 = 120V  
 208 = 208V  
 240 = 240V  
 277 = 277V  
 347 = 347V<sup>1</sup>  
 480 = 480V<sup>1</sup>

<sup>1</sup>Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.

### 0-10V Dimming Interface

Driver has a 0-10V dimming interface with a dimming range of 10-100%. Is compatible with most control systems. Note: Not compatible with current sourcing dimmers. Controls compatible via Gray and Purple dimming lead.

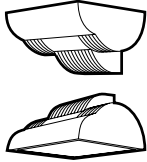


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## Optional Features

**Neighbor Friendly Optic:**

Cat. No.  **NFO**  
 **No Option**

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

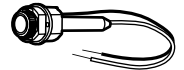


**Fusing**

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**



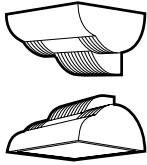
Single Fuse

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## Lumen Data

Spectroradiometric			
	3000K Average	4200K Average	5100K Average
Correlated Color Temp. CCT (K)	2800K-3175K	3800K-4600K	4600K-5600K
Color Rendering Index (CRI)	≤80	≤80	≤70
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance*		
mA	100,000 hrs	(Calculated L70)
350	92.92%	554,000 hrs

Electrical Drive Current		
Volts - AC	Amps - AC	System Watts
120	1.06	127
208	0.61	127
240	0.53	127
277	0.46	127
347	0.37	127
480	0.26	127

B.U.G. Rating (TM15) in Lumens when B = Backlight, U = Uplight, G = Glare					
Temperature	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO
3000K	B2 U0 G2	B2 U0 G2	N/A	B1 U0 G2	B1 U0 G2
4200K	B3 U0 G3	B2 U0 G2	N/A	B1 U0 G2	B1 U0 G2
5100K	B3 U0 G3	B2 U0 G2	N/A	B1 U0 G2	B1 U0 G2

Absolute Lumens					
Temperature	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO
3000K	7293	6999	N/A	7280	6021
4200K	9561	9188	N/A	9544	7893
5100K	10070	9664	N/A	10053	8314

LED performance and lumen output continues to improve at a rapid pace. Log onto [www.kimlighting.com](http://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.

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