

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

**Approvals:**

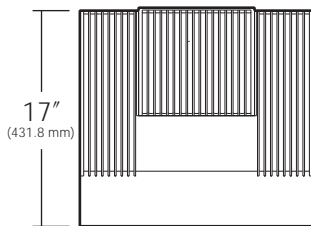
\_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 Fixture      Electrical Module      Finish      Options  
 \_\_\_\_\_ See page 2      \_\_\_\_\_ See pages 3-4

**Date:**  
**Page: 1 of 5**

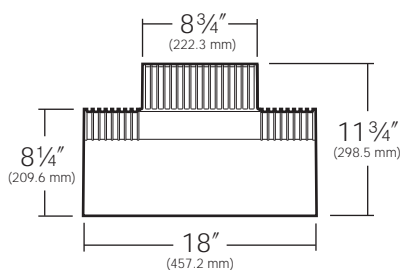
## Specifications

### WD18-LED

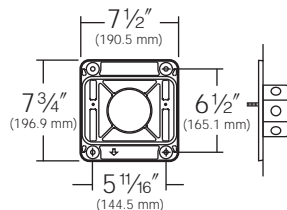
120 Light Emitting Diodes  
 Total Max System Watts = 140W  
 Maximum Weight = 43 lbs.



**TOP**

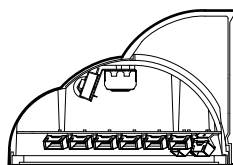


**FRONT**



### Mounting Plate

must be securely attached to wall outside the J-box perimeter.



6 1/8" (155.6 mm)  
to J-box center

**SIDE**



**Reflector Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling fins. Rotates against ballast housing to provide 10° of adjustment with degree markers cast into the housing. At 0° adjustment, lens is totally concealed from view above horizontal with fixture aimed downward.

**Ballast Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling fins. Fastens to mounting plate with keyhole slots freeing both hands for securing and wiring. One stainless steel socket-head screw on each side of housing frees the reflector housing to rotate for aiming. Tightening the screws locks the two housings together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.

**Lens Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral hinges and stainless steel pins. Two stainless steel quarter-turn fasteners secure lens frame to reflector housing with sealing provided by a one-piece extruded and vulcanized silicone gasket. Lens is clear flat 3/16" thick tempered glass sealed to lens frame with a silicone gasket and retainer clips. For UP models, lens is mounted flush with frame for water run off, and is silicone sealed.

**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 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.

**Mounting Plate:** The standard mounting plate is attached to wall (by others) outside the junction box perimeter. All mounting plates are die-cast aluminum with reinforced ribs. Two studs are provided in each plate with flange nuts to allow fixture mounting by keyhole slots. Sealant must be applied (by others) between mounting plate and mounting surface to insure a dry junction box.

**Finish:** Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; A.S.T.M. 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray®, Platinum Silver, or White. Custom colors are available.

**Warranty:** Kim Lighting warrants Wall Director 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 (MicroEmitters) and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield™ device, Surge Protector), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product.

**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.

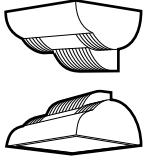
### Listings and Ratings

ETL to UL 1598' Standards	IP66 Rated	CE	25°C Ambient
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<sup>1</sup>Suitable for wet locations

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

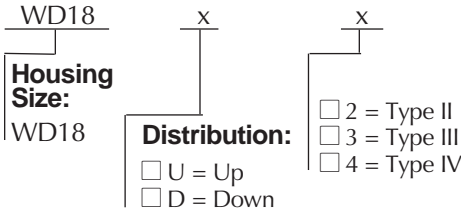
Type:  
 Job:



## Standard Features

### Fixture

Cat. No. designates **WD18** fixture, Up (U) or Down (D) configuration, and light distribution (2, 3 or 4).



Light Distribution:



Type II



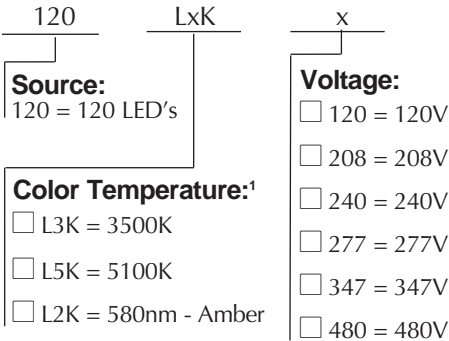
Type III



Type IV

### Electrical Module

Cat. Nos. for Electrical Modules available:



<sup>1</sup>4300K and 6500K are also available on an "Engineered-to-Order" (ETO) basis.

Fixture	Total System Watts	Volt	Operating Amps
WD18-Large	140	120	1.17
WD18-Large	140	208	0.67
WD18-Large	140	240	0.58
WD18-Large	140	277	0.51
WD18-Large	140	347	0.40
WD18-Large	140	480	0.29

### Finish

Super TGIC powder coat paint over a titanated zirconium conversion coating.

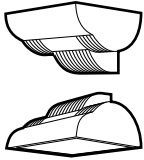
Color: Black    Dark Bronze    Light Gray    Stealth Gray®    Platinum Silver    White    Custom Color<sup>1</sup>  
 Cat. No.:  BL     DB     LG     SG     PS     WH     CC

<sup>1</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: \_\_\_\_\_

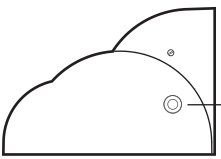
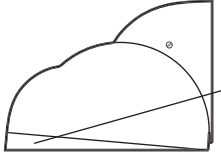
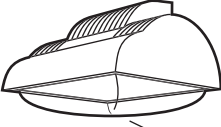
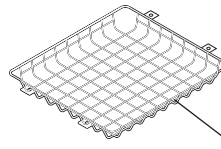
Type:

Job:

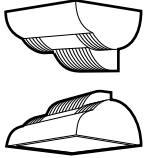
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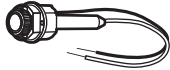
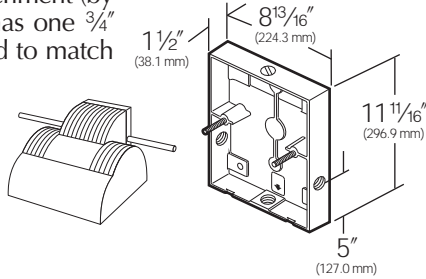
## Optional Features

<p><b>Photocell Control</b>          Cat. No. <b>(see right)</b>  <input type="checkbox"/> No Option</p>	<p>Factory installed inside housing with fully gasketed sensor on side wall.</p> <table border="0"> <tr> <td>Cat. No.</td> <td>Line Volts:</td> <td>Cat. No.</td> <td>Line Volts:</td> </tr> <tr> <td><input type="checkbox"/> <b>A-30</b></td> <td>120V</td> <td><input type="checkbox"/> <b>A-33</b></td> <td>277V</td> </tr> <tr> <td><input type="checkbox"/> <b>A-31</b></td> <td>208V</td> <td><input type="checkbox"/> <b>A-34</b></td> <td>480V</td> </tr> <tr> <td><input type="checkbox"/> <b>A-32</b></td> <td>240V</td> <td><input type="checkbox"/> <b>A-35</b></td> <td>347V</td> </tr> </table>	Cat. No.	Line Volts:	Cat. No.	Line Volts:	<input type="checkbox"/> <b>A-30</b>	120V	<input type="checkbox"/> <b>A-33</b>	277V	<input type="checkbox"/> <b>A-31</b>	208V	<input type="checkbox"/> <b>A-34</b>	480V	<input type="checkbox"/> <b>A-32</b>	240V	<input type="checkbox"/> <b>A-35</b>	347V	 <p>Photocell Control</p>
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<input type="checkbox"/> <b>A-32</b>	240V	<input type="checkbox"/> <b>A-35</b>	347V															
<p><b>5° Shield</b>          Cat. No. <input type="checkbox"/> <b>5DS18</b>  <input type="checkbox"/> No Option</p>	<p>Aluminum shield field-attached to lens frame. Maintains a horizontal cutoff fixture edge when the luminaire is tilted 5°. Finished to match the fixture.</p>	 <p>5° Shield</p>																
<p><b>Lexan® Enclosure:</b>          Cat. No. <input type="checkbox"/> <b>LS</b>  <input type="checkbox"/> No Option</p>	<p><b>For DOWN fixture models only.</b> Clear convex vacuum formed Lexan® enclosure with gasket replaces standard tempered glass lens. 250W max. May be used with 400W HPS only in outdoor locations where ambient air temperature during fixture operation will not exceed 85°F.</p> <p><b>NOTE:</b> Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and MH lamps. A program of regular inspection and periodic replacement is highly recommended to maintain optimum fixture performance.</p>	 <p>Lexan® enclosure</p>																
<p><b>Wire Guard</b>          Cat. No. <input type="checkbox"/> <b>WG18</b>  <input type="checkbox"/> No Option</p>	<p>11 ga. (.12" dia.) BB Wire, (.75" sq. welded mesh pattern.) 15" x 14½" x 1½" deep. Finish is super TGIC thermoset polyester powder coat paint, over zinc plated wireform. Finished to match the fixture.</p> <p><b>NOTE:</b> Only available with flat lens applications.</p>	 <p>Wire Guard</p>																

Type:  
 Job:

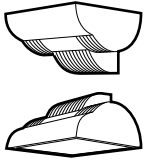


## Optional Features

<p><b>Fusing</b>          Cat. No. <b>(see right)</b>  <input type="checkbox"/> No Option</p>	<p>Line Volts: 120V 208V 240V 277V 347V 480V          Cat. No.: <input type="checkbox"/> SF <input type="checkbox"/> DF <input type="checkbox"/> DF <input type="checkbox"/> SF <input type="checkbox"/> SF <input type="checkbox"/> DF</p> 
<p><b>Surface Conduit Mount</b>          Cat. No. <input type="checkbox"/> SCM18  <input type="checkbox"/> No Option</p>	<p>Cast aluminum junction box and fixture mount for attachment (by others) to existing walls, beams or columns. <b>SCM18</b> has one 3/4" NPT conduit tap in each side, top and bottom. Finished to match the fixture.</p> <p><b>SCM18</b> for all fixtures, UP and DOWN.</p> <p><b>Note:</b> Must be securely mounted to all surface.</p> 

Type:

Job:

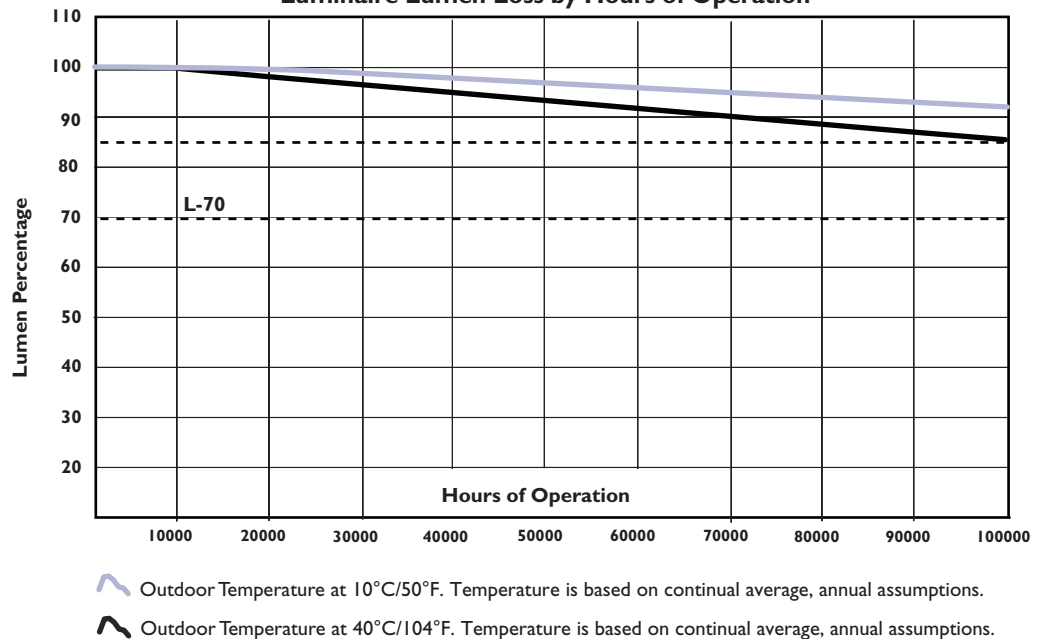


## Lumen Performance Charts

### NOTES:

1. Lumen loss stabilization 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



Luminaire Output at Outdoor Ambient Temperatures

