

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

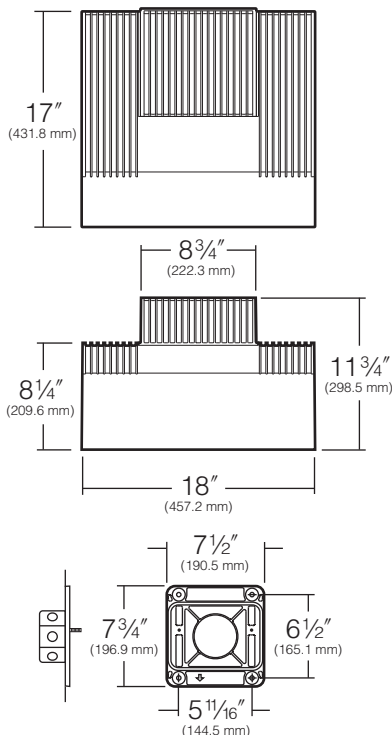
**Approvals:**

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

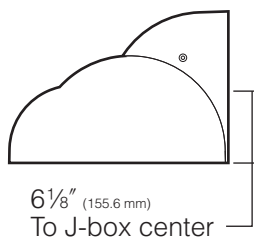
**Date:**  
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## Specifications

Maximum Fixture  
 Weight (400HPS) = 43 lb



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



**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.

**Type II, III, and IV Reflector Module:** Specular Alzak® optical segments are rigidly mounted within a die-cast aluminum enclosure that attaches to the housing by a no-tool quick-disconnecting hinge and fastener. All sockets are mogul base with HPS and PMH rated 4KV with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast. Available in three light distributions, all interchangeable within the same housing.

**Wall Grazer Reflector Module:** Specular Alzak® optical segment is rigidly formed into a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black louver vanes run parallel to the lamp arc for controlling the hot spot directly behind the fixture, and spill light into the atmosphere. All sockets are mogul base with HPS and PMH rated 4KV with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

**Spot Reflector Module:** Specular Alzak® optical spun parabola is rigidly mounted to a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black internal louvers are provided to control the beam and prevent hot spots directly behind the fixture and spill light into the atmosphere. All sockets are mogul base with HPS and PMH rated 4KV with molded silicone lamp stabilizers. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

**Electrical Components:** High power factor ballasts are rigidly mounted inside the housing and are factory prewired with a quick-disconnect plug for mating to the socket. Starting temperatures are -40°F for HPS lamp modes and -20°F for PMH lamp modes.

**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.

**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

UL cUL 1598 <sup>1</sup>	CE	25C Ambient
	IP66 Rated	

<sup>1</sup>Suitable for wet locations

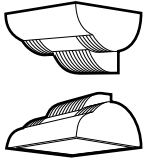
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.







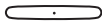



Type:

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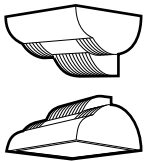
## Standard Features

<p><b>Fixture</b> Cat. No. designates <b>WD18</b> fixture, Up (U) or Down (D) configuration, and light distribution (2, 3, 4, G or S).</p>	<div style="display: flex; justify-content: space-around; align-items: center;">       </div> <p>WD Fixture</p> <p>Light Distribution:</p> <p>Cat. No.: (Up 18")    <input type="checkbox"/> <b>WD18U2</b>    <input type="checkbox"/> <b>WD18U3</b>    <input type="checkbox"/> <b>WD18U4</b>    <input type="checkbox"/> <b>WD18UG</b>    <input type="checkbox"/> <b>WD18US</b></p> <p>Cat. No.: (Down 18")    <input type="checkbox"/> <b>WD18D2</b>    <input type="checkbox"/> <b>WD18D3</b>    <input type="checkbox"/> <b>WD18D4</b>    <input type="checkbox"/> <b>WD18DG</b>    <input type="checkbox"/> <b>WD18DS</b></p>
<p><b>Finish</b> Super TGIC powder coat paint over a titanated zirconium conversion coating.</p>	<p>Color:    Black    Dark Bronze    Light Gray    Stealth Gray®    Platinum Silver    White    Custom Color¹</p> <p>Cat. No.: <input type="checkbox"/> <b>BL</b>    <input type="checkbox"/> <b>DB</b>       <input type="checkbox"/> <b>LG</b>       <input type="checkbox"/> <b>SG</b>       <input type="checkbox"/> <b>PS</b>       <input type="checkbox"/> <b>WH</b>    <input type="checkbox"/> <b>CC</b></p> <p>¹Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>

Type:

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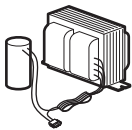
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## Standard Features

### Electrical Module

- PMH** = Pulse Start Metal Halide  
**HPS** = High Pressure Sodium  
**IF** = Induction Fluorescent



Lamp Watts	Lamp Type	Line Volts
250	PMH	277

Lamp and electrical data supplied for reference purposes only. All initial lumen values shown may vary from one manufacturer to another. Consult lamp manufacturer's data for exact lumen and life data.

**WARNING:** Fixtures must be installed and grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury. For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative. Lamps by others.

**NOTE:** For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.

Cat. Nos. for Electrical Modules available:

Pulse Start Metal Halide			
<input type="checkbox"/> 200PMH120	<input type="checkbox"/> 250PMH120	<input type="checkbox"/> 320PMH120	
<input type="checkbox"/> 200PMH208	<input type="checkbox"/> 250PMH208	<input type="checkbox"/> 320PMH208	
<input type="checkbox"/> 200PMH240	<input type="checkbox"/> 250PMH240	<input type="checkbox"/> 320PMH240	
<input type="checkbox"/> 200PMH277	<input type="checkbox"/> 250PMH277	<input type="checkbox"/> 320PMH277	
<input type="checkbox"/> 200PMH347	<input type="checkbox"/> 250PMH347	<input type="checkbox"/> 320PMH347	
<input type="checkbox"/> 200PMH480	<input type="checkbox"/> 250PMH480	<input type="checkbox"/> 320PMH480	
Lamp	T15 Clear	ED28 Clear	ED28 Clear
Socket	Mogul Base	Mogul Base	Mogul Base
ANSI Ballast	M136	M138	M154, M132

Pulse Start Metal Halide	
<input type="checkbox"/> 350PMH120	<input type="checkbox"/> 400PMH120
<input type="checkbox"/> 350PMH208	<input type="checkbox"/> 400PMH208
<input type="checkbox"/> 350PMH240	<input type="checkbox"/> 400PMH240
<input type="checkbox"/> 350PMH277	<input type="checkbox"/> 400PMH277
<input type="checkbox"/> 350PMH347	<input type="checkbox"/> 400PMH347
<input type="checkbox"/> 350PMH480	<input type="checkbox"/> 400PMH480
Lamp	ED28 Clear
Socket	Mogul Base
ANSI Ballast	M131

High Pressure Sodium			Induction Fluorescent
<input type="checkbox"/> 150HPS120	<input type="checkbox"/> 250HPS120	<input type="checkbox"/> 400HPS120	<input type="checkbox"/> 85IF120 <sup>1</sup>
<input type="checkbox"/> 150HPS208	<input type="checkbox"/> 250HPS208	<input type="checkbox"/> 400HPS208	<input type="checkbox"/> 85IF208 <sup>1</sup>
<input type="checkbox"/> 150HPS240	<input type="checkbox"/> 250HPS240	<input type="checkbox"/> 400HPS240	<input type="checkbox"/> 85IF240 <sup>1</sup>
<input type="checkbox"/> 150HPS277	<input type="checkbox"/> 250HPS277	<input type="checkbox"/> 400HPS277	<input type="checkbox"/> 85IF277 <sup>1</sup>
<input type="checkbox"/> 150HPS347	<input type="checkbox"/> 250HPS347	<input type="checkbox"/> 400HPS347	
<input type="checkbox"/> 150HPS480 <sup>3</sup>	<input type="checkbox"/> 250HPS480	<input type="checkbox"/> 400HPS480	
Lamp	E18 Clear,	ED18 Clear,	ED18 Clear
Socket	Mogul Base	Mogul Base	Mogul Base
ANSI Ballast	S55	S50	S51

<sup>1</sup> 85W IF lamps are available for WC18 only. Not recommended for all distribution types.

**NOTE:** Refer to WD14 spec sheet for compact fluorescent models.

**CAUTION:** All manufacturers of metal halide lamps recommend turning them off for 15 minutes once per week when under continuous operation. This will reduce the risk of arc tube rupture at end of life. Also, color temperature may differ between manufacturers of metal halide lamps. See lamp manufacturers' specification sheets.

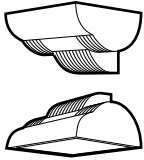
**NOTE:** Due to the Energy Independence and Security Act (EISA) of 2007, Kim Lighting can no longer supply probe start metal halide ballasts with its luminaires, effective January 1, 2009. Contact Kim Lighting for availability of replacement ballasts for warranty service claims.

([http://www.aboutlightingcontrols.org/education/papers/2008\\_energy\\_law.shtml#metahalide](http://www.aboutlightingcontrols.org/education/papers/2008_energy_law.shtml#metahalide)).

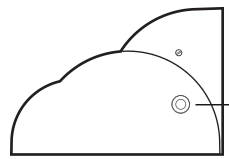
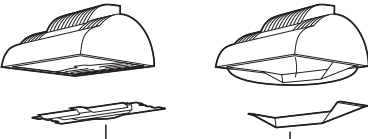
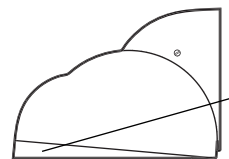
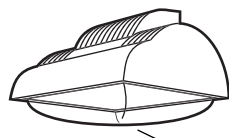
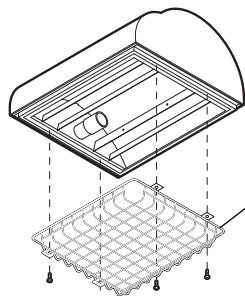
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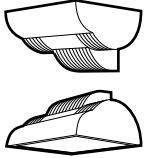
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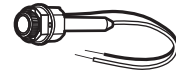

## Optional Features

<p><b>Photocell Control</b>          Cat. No. (see right)  <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"/> A-30</td> <td>120V</td> <td><input type="checkbox"/> A-33</td> <td>277V</td> </tr> <tr> <td><input type="checkbox"/> A-31</td> <td>208V</td> <td><input type="checkbox"/> A-34</td> <td>480V</td> </tr> <tr> <td><input type="checkbox"/> A-32</td> <td>240V</td> <td><input type="checkbox"/> A-35</td> <td>347V</td> </tr> </table>	Cat. No.	Line Volts:	Cat. No.	Line Volts:	<input type="checkbox"/> A-30	120V	<input type="checkbox"/> A-33	277V	<input type="checkbox"/> A-31	208V	<input type="checkbox"/> A-34	480V	<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-35	347V	 <p>Photocell Control</p>
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<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-35	347V															
<p><b>Houseside Shield</b>          Cat. No. (see right)  <input type="checkbox"/> HS  <input type="checkbox"/> HSC  <input type="checkbox"/> No Option</p>	<p>Combination louver shield and black end-panel for reflector. Factory installed to reflector module. Reduces light toward wall by the amounts shown.</p> <p><b>CAUTION:</b> Do not use the Houseside Shield option with the Wall Grazer as it will interfere with the light distribution.</p> <table border="0"> <tr> <td>Approximate Light Reduction Toward Wall</td> <td>Type II</td> <td>Type III</td> <td>Type IV</td> </tr> <tr> <td></td> <td>-72%</td> <td>-73%</td> <td>-84%</td> </tr> </table>	Approximate Light Reduction Toward Wall	Type II	Type III	Type IV		-72%	-73%	-84%	 <p>HS for flat lens</p> <p>HSC for Lexan® enclosure</p>								
Approximate Light Reduction Toward Wall	Type II	Type III	Type IV															
	-72%	-73%	-84%															
<p><b>5° Shield</b>          Cat. No. <input type="checkbox"/> 5DS18  <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® Non-yellowing Enclosure:</b>          Cat. No. <input type="checkbox"/> LS  <input type="checkbox"/> No Option</p>	<p><b>For DOWN fixture models only.</b> Clear convex vacuum formed non-yellowing 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"/> WG18  <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>Quartz Standby</b>          Cat. No. <input type="checkbox"/> QS  <input type="checkbox"/> No Option</p>	<p>Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to H.I.D. lamp reaching full brightness. T-4 halogen lamp by others; 150 watt maximum.</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.  <b>SCM18</b> for all fixtures, UP and DOWN.  <b>Note:</b> Must be securely mounted to all surface.</p>	