

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

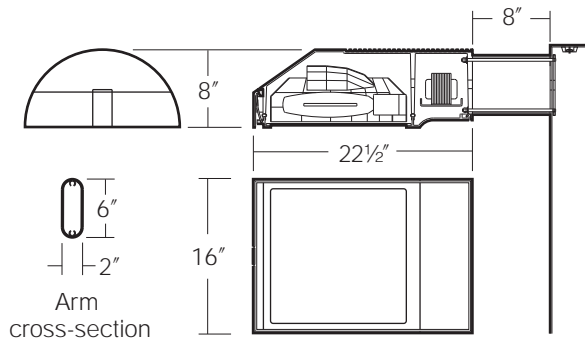
**Approvals:**

/	/	/	/	/
Mtg.	Fixture	Electrical Module	Finish	Options
See page 2				See pages 3-4
				Optional Vertical Slipfitter Mount See page 5

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

Select pole from Kim Pole Catalog. If pole is provided by others indicate O.D. for arm fitting.

## Specifications



**Housing:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment. Solid barrier wall separates optical and electrical compartments. Double-thick wall with gussets on the support-arm mounting end. Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail. All hardware is stainless steel or electro-zinc plated steel.

**Lens Frame:** One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange. Integral hinges with stainless steel pins provide no-tool mounting and removal from housing. Single die-cast aluminum cam-latch provides positive locking and sealing of the optical chamber by a one-piece extruded and vulcanized silicone gasket. Clear 3/16" thick tempered glass lens retained by eight steel clips with full silicone gasketing around the perimeter.

**Reflector Module:** Specular Alzak® optical segments are rigidly mounted within a die-cast aluminum enclosure that attaches to the housing as a one-piece module. Reflector module is field rotatable in 90° increments. HPS and PMH sockets are porcelain 4KV pulse rated mogul base with molded silicone lamp stabilizer. All reflector modules are factory prewired with quick-disconnect plug and include silicone seal at the penetration of the internal barrier wall in the luminaire housing.

**Electrical Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Electrical module attaches to housing with no-tool hinges and latches, accessible by opening the lens frame only. All ballasts are high power factor rated -20°F. starting.

**Support Arm:** One-piece extruded aluminum with internal bolt guides and fully radiussed top and bottom. Luminaire-to-pole attachment is by internal draw bolts, and includes a pole reinforcing plate with wire strain relief. Arm is circular cut for specified round pole.

**Optional Wall Mounting:** Fixture mounted to poured concrete walls only. A modified support arm is provided with side access to allow field splices within the arm. A wall embedment bracket is provided to accept draw bolts, and a trim plate covers the wall-embedded junction box. All wall mount components are finished to match the fixture.

**Finish:** Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; 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	IP66 Rated	25C Ambient
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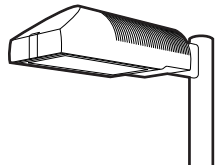
<sup>1</sup>Suitable for wet locations.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

Type:

Job:

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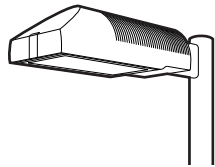
## Standard Features

<p><b>Mounting</b> 3Y configuration is available for round poles only.</p>	<p>Plan View:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>EPA:            1.2            2.4            2.0            3.2            3.2            3.9            n/a</p> <p>Cat. No.:    <input type="checkbox"/> 1A        <input type="checkbox"/> 2B        <input type="checkbox"/> 2L        <input type="checkbox"/> 3T        <input type="checkbox"/> 3Y        <input type="checkbox"/> 4C        <input type="checkbox"/> 1W</p>																																																																																
<p><b>Fixture</b> Cat. No. designates fixture and light distribution. See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.</p>	<p><b>Flat Lens</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>Light Distribution:    Type I            Type II            Type III            Type IV            Type V</p> <p style="text-align: center;">Full Cutoff        Full Cutoff        Full Cutoff        Forward Throw Full Cutoff        Square Full Cutoff</p> <p>Cat. No.:            <input type="checkbox"/> AR1        <input type="checkbox"/> AR2        <input type="checkbox"/> AR3        <input type="checkbox"/> AR4        <input type="checkbox"/> AR5</p>																																																																																
<p><b>Electrical Module</b> <b>HPS</b> = High Pressure Sodium <b>PMH</b> = Pulse Start Metal Halide</p> <p style="margin-top: 20px;">Lamp    Watts    Type    Line Volts <b>400    HPS    277</b></p>	<p>Cat. Nos. for Electrical Modules available:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;">High Pressure Sodium</td> </tr> <tr> <td style="width: 25%;"><input type="checkbox"/> 150HPS120</td> <td style="width: 25%;"><input type="checkbox"/> 250HPS120</td> <td style="width: 25%;"><input type="checkbox"/> 400HPS120</td> <td style="width: 25%;"></td> </tr> <tr> <td><input type="checkbox"/> 150HPS208</td> <td><input type="checkbox"/> 250HPS208</td> <td><input type="checkbox"/> 400HPS208</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS240</td> <td><input type="checkbox"/> 250HPS240</td> <td><input type="checkbox"/> 400HPS240</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS277</td> <td><input type="checkbox"/> 250HPS277</td> <td><input type="checkbox"/> 400HPS277</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS347</td> <td><input type="checkbox"/> 250HPS347</td> <td><input type="checkbox"/> 400HPS347</td> <td></td> </tr> <tr> <td><input type="checkbox"/> 150HPS480</td> <td><input type="checkbox"/> 250HPS480</td> <td><input type="checkbox"/> 400HPS480</td> <td></td> </tr> <tr> <td style="border-top: 1px solid black;">Lamp</td> <td style="border-top: 1px solid black;">E-23½, Clear</td> <td style="border-top: 1px solid black;">E-18, Clear</td> <td style="border-top: 1px solid black;">E-18, Clear</td> </tr> <tr> <td style="border-top: 1px solid black;">Socket</td> <td style="border-top: 1px solid black;">Mogul Base</td> <td style="border-top: 1px solid black;">Mogul Base</td> <td style="border-top: 1px solid black;">Mogul Base</td> </tr> <tr> <td style="border-top: 1px solid black;">ANSI Ballast</td> <td style="border-top: 1px solid black;">S-55</td> <td style="border-top: 1px solid black;">S-50</td> <td style="border-top: 1px solid black;">S-51</td> </tr> <tr> <td colspan="4" style="text-align: center;">Pulse Start Metal Halide</td> </tr> <tr> <td><input type="checkbox"/> 250PMH120</td> <td><input type="checkbox"/> 320PMH120</td> <td><input type="checkbox"/> 350PMH120</td> <td><input type="checkbox"/> 400PMH120</td> </tr> <tr> <td><input type="checkbox"/> 250PMH208</td> <td><input type="checkbox"/> 320PMH208</td> <td><input type="checkbox"/> 350PMH208</td> <td><input type="checkbox"/> 400PMH208</td> </tr> <tr> <td><input type="checkbox"/> 250PMH240</td> <td><input type="checkbox"/> 320PMH240</td> <td><input type="checkbox"/> 350PMH240</td> <td><input type="checkbox"/> 400PMH240</td> </tr> <tr> <td><input type="checkbox"/> 250PMH277</td> <td><input type="checkbox"/> 320PMH277</td> <td><input type="checkbox"/> 350PMH277</td> <td><input type="checkbox"/> 400PMH277</td> </tr> <tr> <td><input type="checkbox"/> 250PMH347</td> <td><input type="checkbox"/> 320PMH347</td> <td><input type="checkbox"/> 350PMH347</td> <td><input type="checkbox"/> 400PMH347</td> </tr> <tr> <td><input type="checkbox"/> 250PMH480</td> <td><input type="checkbox"/> 320PMH480</td> <td><input type="checkbox"/> 350PMH480</td> <td><input type="checkbox"/> 400PMH480</td> </tr> <tr> <td style="border-top: 1px solid black;">Lamp</td> <td style="border-top: 1px solid black;">ED-28, Clear</td> <td style="border-top: 1px solid black;">BT-28, Clear</td> <td style="border-top: 1px solid black;">BT-28, Clear</td> </tr> <tr> <td style="border-top: 1px solid black;">Socket</td> <td style="border-top: 1px solid black;">Mogul Base</td> <td style="border-top: 1px solid black;">Mogul Base</td> <td style="border-top: 1px solid black;">Mogul Base</td> </tr> <tr> <td style="border-top: 1px solid black;">ANSI Ballast</td> <td style="border-top: 1px solid black;">M-138</td> <td style="border-top: 1px solid black;">M-132, M154, or M170</td> <td style="border-top: 1px solid black;">M-131, M171</td> </tr> </table> <p><b>NOTE:</b> 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. (Visit <a href="http://www.aboutlightingcontrols.org">www.aboutlightingcontrols.org</a> or the Library of Congress website for more details).</p>	High Pressure Sodium				<input type="checkbox"/> 150HPS120	<input type="checkbox"/> 250HPS120	<input type="checkbox"/> 400HPS120		<input type="checkbox"/> 150HPS208	<input type="checkbox"/> 250HPS208	<input type="checkbox"/> 400HPS208		<input type="checkbox"/> 150HPS240	<input type="checkbox"/> 250HPS240	<input type="checkbox"/> 400HPS240		<input type="checkbox"/> 150HPS277	<input type="checkbox"/> 250HPS277	<input type="checkbox"/> 400HPS277		<input type="checkbox"/> 150HPS347	<input type="checkbox"/> 250HPS347	<input type="checkbox"/> 400HPS347		<input type="checkbox"/> 150HPS480	<input type="checkbox"/> 250HPS480	<input type="checkbox"/> 400HPS480		Lamp	E-23½, Clear	E-18, Clear	E-18, Clear	Socket	Mogul Base	Mogul Base	Mogul Base	ANSI Ballast	S-55	S-50	S-51	Pulse Start Metal Halide				<input type="checkbox"/> 250PMH120	<input type="checkbox"/> 320PMH120	<input type="checkbox"/> 350PMH120	<input type="checkbox"/> 400PMH120	<input type="checkbox"/> 250PMH208	<input type="checkbox"/> 320PMH208	<input type="checkbox"/> 350PMH208	<input type="checkbox"/> 400PMH208	<input type="checkbox"/> 250PMH240	<input type="checkbox"/> 320PMH240	<input type="checkbox"/> 350PMH240	<input type="checkbox"/> 400PMH240	<input type="checkbox"/> 250PMH277	<input type="checkbox"/> 320PMH277	<input type="checkbox"/> 350PMH277	<input type="checkbox"/> 400PMH277	<input type="checkbox"/> 250PMH347	<input type="checkbox"/> 320PMH347	<input type="checkbox"/> 350PMH347	<input type="checkbox"/> 400PMH347	<input type="checkbox"/> 250PMH480	<input type="checkbox"/> 320PMH480	<input type="checkbox"/> 350PMH480	<input type="checkbox"/> 400PMH480	Lamp	ED-28, Clear	BT-28, Clear	BT-28, Clear	Socket	Mogul Base	Mogul Base	Mogul Base	ANSI Ballast	M-138	M-132, M154, or M170	M-131, M171
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<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 Color<sup>1</sup></p> <p>Cat. No.: <input type="checkbox"/> BL    <input type="checkbox"/> DB        <input type="checkbox"/> LG        <input type="checkbox"/> SG        <input type="checkbox"/> PS        <input type="checkbox"/> WH        <input type="checkbox"/> CC</p> <p><sup>1</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>																																																																																

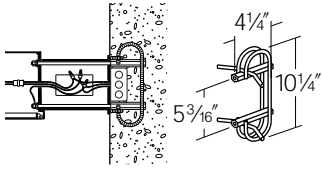
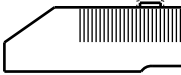


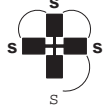
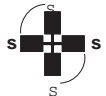




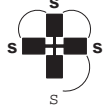
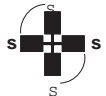




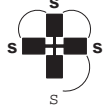
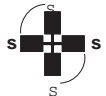


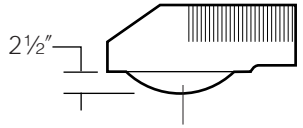
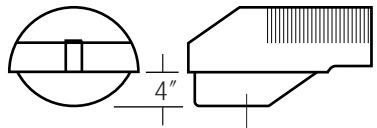
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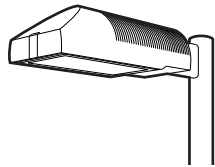
## Optional Features

<p><b>Wall Mounting</b> Cat. No. <input type="checkbox"/> <b>1W</b> <input type="checkbox"/> <b>No Option</b></p> <p>Select from Mounting on page 2.</p>	<p>Fixture mounted to poured concrete walls only. A modified support arm is provided with side access to allow field splices within the arm. A wall embedment bracket (<b>WEB</b>) is provided to accept draw bolts, and a trim plate covers the wall-embedded junction box. All wall mount components are finished to match the fixture.</p>	 <p style="text-align: center;">Wall mount using wall embedment bracket - J-box in wall (by others)</p>											
<p><b>Photocell Receptacle</b> Cat. No. <input type="checkbox"/> <b>A-25</b> <input type="checkbox"/> <b>No Option</b></p>	<p>Fixture supplied with a fully gasketed receptacle above the electrical compartment for NEMA base photocell (by others). For all multiple-fixture pole mountings with two or three fixtures, one fixture has a receptacle to operate the others. Four fixtures (250 watt or less) also require one fixture with a receptacle. Four fixtures (400 watt) require two fixtures with receptacles.</p>	 <p style="text-align: right;">Receptacle</p>											
<p>Mounting (see page 2)</p> <p>S – Fixture with Photocell Receptacle S – slave unit(s)</p>	<table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">  1A, 1W         </td> <td style="border-right: 1px solid black; padding: 5px;">  2B         </td> <td style="border-right: 1px solid black; padding: 5px;">  4C         </td> <td style="padding: 5px;">  4C         </td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">  2L         </td> <td style="border-right: 1px solid black; padding: 5px;">  3T, 3Y         </td> <td style="border-right: 1px solid black; padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </table>	 1A, 1W	 2B	 4C	 4C	 2L	 3T, 3Y			<table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 5px;">150-400W</td> <td style="border-right: 1px solid black; padding: 5px;">150-250W</td> <td style="padding: 5px;">400W</td> </tr> </table>	150-400W	150-250W	400W
 1A, 1W	 2B	 4C	 4C										
 2L	 3T, 3Y												
150-400W	150-250W	400W											
<p><b>Convex Glass Lens</b> Cat. No. <input type="checkbox"/> <b>CGL</b> <input type="checkbox"/> <b>No Option</b></p>	<p>The 3/16" thick clear convex tempered glass lens replaces the standard flat glass lens. Provides increased lens presence and provides a subtle improvement in uniformity where pole spacing is extreme. Increases effectiveness of houseside shielding.</p>	 <p style="text-align: center;">Convex Glass Lens</p>											
<p><b>Polycarbonate Lens</b> Cat. No. <input type="checkbox"/> <b>LS</b> <input type="checkbox"/> <b>No Option</b></p>	<p>Fixture supplied with a one piece vacuum formed, clear, UV stabilized convex polycarbonate, fully gasketed, replacing the standard tempered glass lens. 250 watt maximum. May be used with 400HPS in outdoor locations where ambient air temperature during fixture operation will not exceed 85°F.</p> <p><b>CAUTION:</b> Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and metal halide lamps.</p>	 <p style="text-align: center;">Polycarbonate Lens</p>											

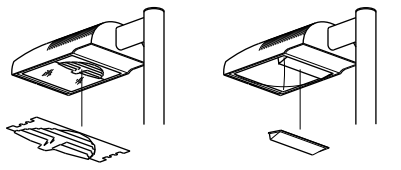
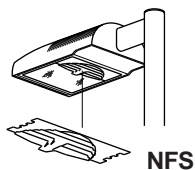
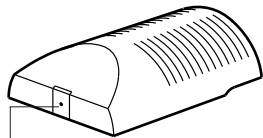
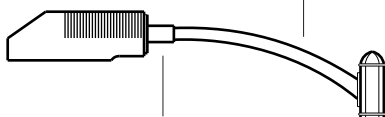
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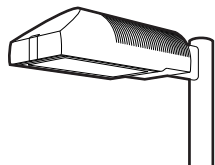
## Optional Features

<p><b>Houseside Shield</b> Cat. No. <b>(See right)</b> <input type="checkbox"/> No Option</p>	<p><b>(Types II, III, and IV only)</b> Fixtures with the standard flat glass lens are available with stamped aluminum louvers that pass streetside light and block houseside light, and a blackened panel added to the reflector to reduce houseside reflections. Fixtures with the optional convex glass lens are available with a formed aluminum shield that passes streetside light and blocks houseside light, and a black anodized panel added to the reflector to reduce houseside reflections. Use with clear lamps only, as coated lamps reduce effectiveness.</p> <p>Cat. No. <input type="checkbox"/> <b>HS</b> Recommended for use with clear lamps only. Effectiveness is reduced for coated lamps. Not for use with Type V light distributions. <input type="checkbox"/> <b>HSC</b> For use with all fixtures with convex glass lens. Not for use with Type V light distributions.</p>	 <p style="text-align: center;"><b>HS</b> for flat lens</p> <p style="text-align: center;"><b>HSC</b> for convex lens or polycarbonate lens</p>
<p><b>Neighbor Friendly Shield</b> Cat. No. <input type="checkbox"/> <b>NFS</b> <input type="checkbox"/> No Option</p>	<p><b>(Type IV only)</b> Stamped internal shield and blocking panels are used to direct and redirect lighting into a forward throw distribution. The amount of light directed and redirected toward the back of the luminaire is dramatically reduced to create extremely low glare behind the pole. Only available on the Type IV reflectors.</p>	 <p style="text-align: center;"><b>NFS</b></p>
<p><b>Tamper-Resistant Latch</b> Cat. No. <input type="checkbox"/> <b>TL</b> <input type="checkbox"/> No Option</p>	<p>Standard die-cast latch is provided with a captive 10-32 stainless steel flat socket-head screw to prevent unauthorized opening.</p> <p><b>NOTE:</b> Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.</p>	 <p style="text-align: center;">Tamper-Resistant Latch</p>
<p><b>Horizontal Slipfitter Mount</b> Cat. No. <input type="checkbox"/> <b>HSF</b> <input type="checkbox"/> No Option</p>	<p>Replaces standard mounting arm with a slipfitter which allows fixture to be mounted to a horizontal pole davit-arm with 2" pipe-size mounting end (2 3/8" O.D.). Cast aluminum slipfitter with set screw anti-rotation lock. Bolts to housing from inside the electrical compartment using mounting holes for the standard support arm. Davit-arm must be field drilled at a set screw location to insure against fixture rotation. Finished to match fixture.</p>	<p style="text-align: center;">Davit-arm with 2" pipe-size fixture mount (by others)</p>  <p style="text-align: center;">Horizontal Slipfitter Mount by Kim</p>

Type:

Job:

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## Optional Features

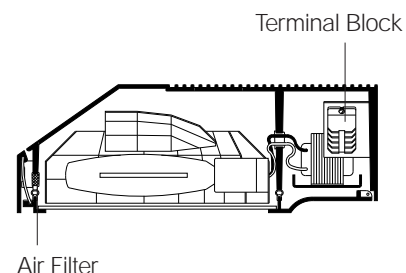
**Special Options for Street Lighting**  
Cat. No. (See right)

**Terminal Block:** (For field wire connections.)  
85AMP, 600V box clamp terminal block mounted to the housing inside the electrical compartment. Accepts #14-4 wire. Factory prewired to electrical module quick-disconnect plug.

- TB**
- No Option**

**Air Filter:** Allows for ventilation through the optical chamber, filtering all air particles above 500 microns. Mounted on solid wall between optical compartment and latch cavity.

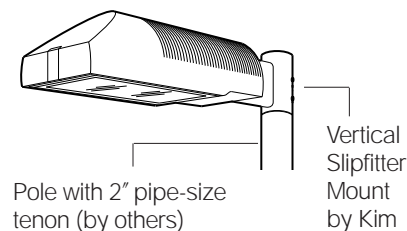
- AF**
- No Option**



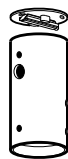
**Vertical Slipfitter Mounts**  
Cat. No. includes Mounting  
Cat. No. (See right)  
 **No Option**

Allows fixture with standard support arm to be mounted to poles having a 2" pipe-size tenon (2 3/8" O.D. x 4 1/2" min. length). All mounting configurations can be used (1A, 2B, 2L, 3T, 3Y, 4C). 4" square or round die-cast aluminum with flush cap, secured by four 3/8" stainless steel set point allen screws, finished to match fixture and arm.

**NOTE:** 3Y only available on round slipfitter.

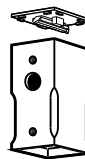


Cat. No.  
 **VSF-1A**  
 **VSF-2B**  
 **VSF-2L**  
 **VSF-3T**  
 **VSF-3Y**  
 **VSF-4C**



Round

Stainless steel set screws



Square

Cat. No.  
 **SVSF-1A**  
 **SVSF-2B**  
 **SVSF-2L**  
 **SVSF-3T**  
 **SVSF-4C**

Mounting Configuration  
**1A** - single arm mount  
**2B** - 2 at 180°  
**2L** - 2 at 90°  
**3T** - 3 at 90°  
**3Y** - 3 at 120°  
**4C** - 4 at 90°