

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

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

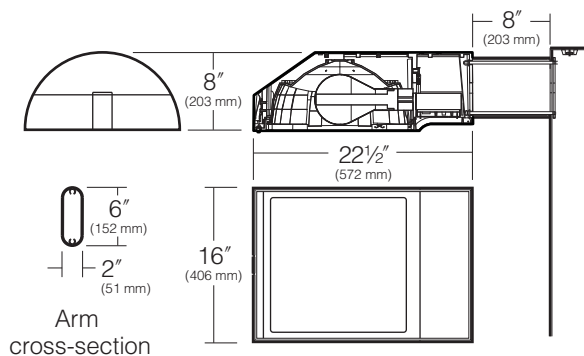
**Approvals:**

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

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

## Specifications

85 or 165 watt  
Induction Fluorescent  
Maximum Fixture weight = 45 lb



**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. 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. The induction lamp is mounted to housing wall.

**Electrical Module:** All electrical components are UL and CSA recognized, mounted on a single bracket and factory pre wired with quick disconnect plugs. A complete HF generator system is furnished mounted to the aluminum plate inside housing. Induction Lamp system is high power factor rated for - 40°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.

**Warranty:** Kim Lighting warrants Induction Lighting System luminaires to be free from defects in workmanship for a period of one (1) year on the housing and metal parts, and carry Philips' Lighting Company QL Induction Lighting System five (5) year warranty, from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product. For an extended warranty coverage, contact factory.

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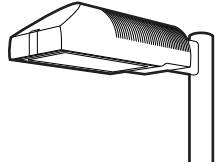
<sup>1</sup>Suitable for wet locations.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.








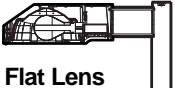

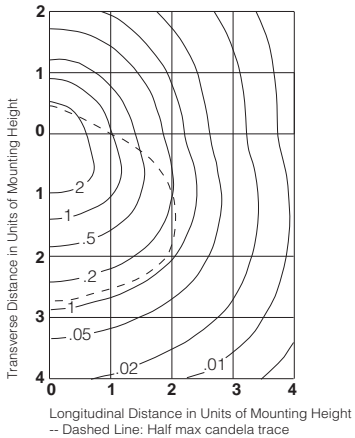
Type:

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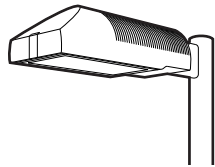


## Standard Features

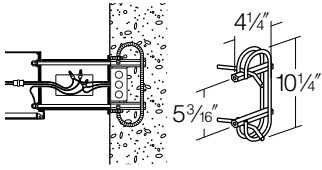
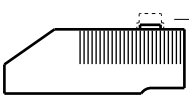
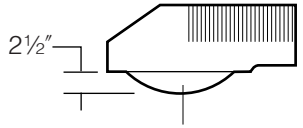
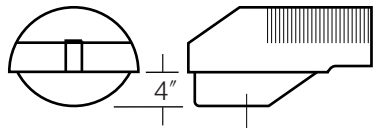

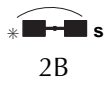
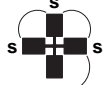



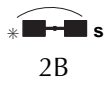
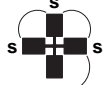



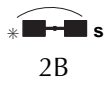
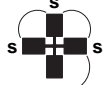


<p><b>Mounting</b>  <b>3Y</b> configuration is available for round poles only.</p>	<p>Plan View:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> EPA: 1.2 Cat. No.: <input type="checkbox"/> <b>1A</b></div> <div style="text-align: center;"> EPA: 2.4 Cat. No.: <input type="checkbox"/> <b>2B</b></div> <div style="text-align: center;"> EPA: 2.0 Cat. No.: <input type="checkbox"/> <b>2L</b></div> <div style="text-align: center;"> EPA: 3.2 Cat. No.: <input type="checkbox"/> <b>3T</b></div> <div style="text-align: center;"> EPA: 3.2 Cat. No.: <input type="checkbox"/> <b>3Y</b></div> <div style="text-align: center;"> EPA: 3.9 Cat. No.: <input type="checkbox"/> <b>4C</b></div> <div style="text-align: center;"> EPA: n/a Cat. No.: <input type="checkbox"/> <b>1W</b></div> </div>														
<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>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <b>Flat Lens</b>            Light Distribution:         </div> <div style="text-align: center;">             Type III            Full Cutoff            Cat. No.: <input type="checkbox"/> <b>AR3</b> </div> </div>														
<p><b>Electrical Module</b>  <b>IF</b> = Induction Fluorescent</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: center;">Lamp Watts</th> <th style="text-align: center;">Lamp Type</th> <th style="text-align: center;">Line Volts</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>85</b></td> <td style="text-align: center;"><b>IF</b></td> <td style="text-align: center;"><b>277</b></td> </tr> </tbody> </table>	Lamp Watts	Lamp Type	Line Volts	<b>85</b>	<b>IF</b>	<b>277</b>	<p>Cat. Nos. for Electrical Modules available:</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> <b>85IF120</b>  <input type="checkbox"/> <b>85IF208</b>  <input type="checkbox"/> <b>85IF240</b>  <input type="checkbox"/> <b>85IF277</b> </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> <b>165IF120</b>  <input type="checkbox"/> <b>165IF208</b>  <input type="checkbox"/> <b>165IF240</b>  <input type="checkbox"/> <b>165IF277</b> </td> </tr> <tr> <td style="text-align: center;">Lamp</td> <td style="text-align: center;">Induction Lamp</td> </tr> <tr> <td style="text-align: center;">ANSI Ballast</td> <td style="text-align: center;">Electronic</td> </tr> <tr> <td style="text-align: center;">Total System Watts</td> <td style="text-align: center;">89</td> </tr> </table>	<input type="checkbox"/> <b>85IF120</b> <input type="checkbox"/> <b>85IF208</b> <input type="checkbox"/> <b>85IF240</b> <input type="checkbox"/> <b>85IF277</b>	<input type="checkbox"/> <b>165IF120</b> <input type="checkbox"/> <b>165IF208</b> <input type="checkbox"/> <b>165IF240</b> <input type="checkbox"/> <b>165IF277</b>	Lamp	Induction Lamp	ANSI Ballast	Electronic	Total System Watts	89
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Lamp	Induction Lamp														
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Total System Watts	89														
<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"/> <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><sup>1</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>														
<p><b>Photometrics</b>          Cat #: AR3/165IF          Report #: KL00079          Large, 165 Watt          20' Mounting Height</p>	 <p style="font-size: small; text-align: center;">       Transverse Distance in Units of Mounting Height        Longitudinal Distance in Units of Mounting Height        -- Dashed Line: Half max candela trace     </p>														

Type:

Job:



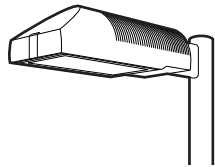
## Optional Features

<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). One fixture has a receptacle to operate the others.</p>	 <p style="text-align: right;">Receptacle</p>						
<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.</p> <p><b>CAUTION:</b> Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight.</p>	 <p style="text-align: center;">Polycarbonate Lens</p>						
<p>Mounting (see page 2)</p> <p>* – Fixture with Photocell Receptacle  <b>S</b> – 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> </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="padding: 5px;"></td> </tr> </table>	 1A, 1W	 2B	 4C	 2L	 3T, 3Y	
 1A, 1W	 2B	 4C						
 2L	 3T, 3Y							
<p>Allowable wattage per fixture:</p>		<p>85 &amp; 165W</p>						

Type:

Job:

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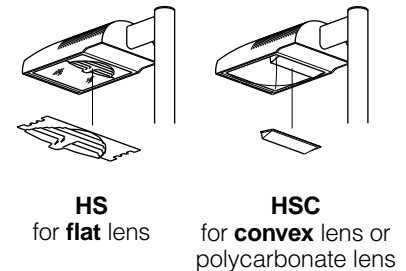


## Optional Features

### Houseside Shield

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

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.



Cat. No.

**HS** For use with all fixtures with flat lens.

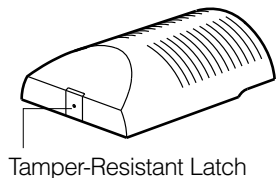
**HSC** For use with all fixtures with convex glass lens. Not for use with Type V light distributions.

### Tamper-Resistant Latch

Cat. No.  TL  
 No Option

Standard die-cast latch is provided with a captive 10-32 stainless steel flat socket-head screw to prevent unauthorized opening.

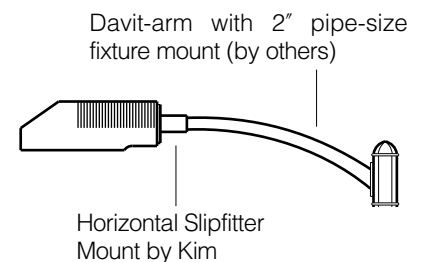
**NOTE:** Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.



### Horizontal Slipfitter Mount

Cat. No.  HSF  
 No Option

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 $\frac{3}{8}$ " 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.



### Special Options for Street Lighting

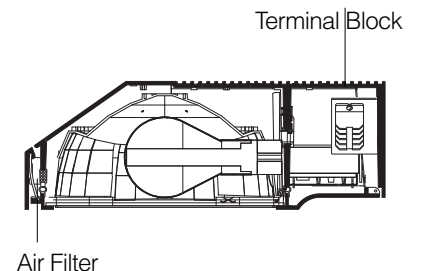
Cat. No. **(See right)**

**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

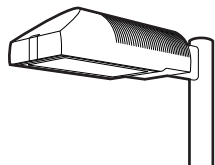
**Air Filter:** Allows for ventilation through the optical chamber, filtering all air particles above 500 microns. Mounted on solid wall between optical compartment and latch cavity.

**AF**  
 No Option



Type:

Job:



## Optional Features

### Vertical Slipfitter Mounts

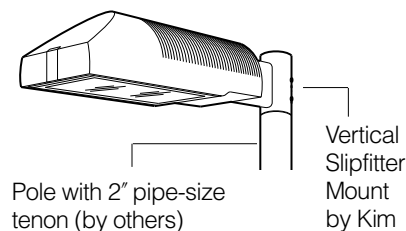
Cat. No. includes Mounting

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**

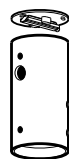
**VSF-2B**

**VSF-2L**

**VSF-3T**

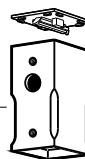
**VSF-3Y**

**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°