

Type:
Job:
Catalog number:

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

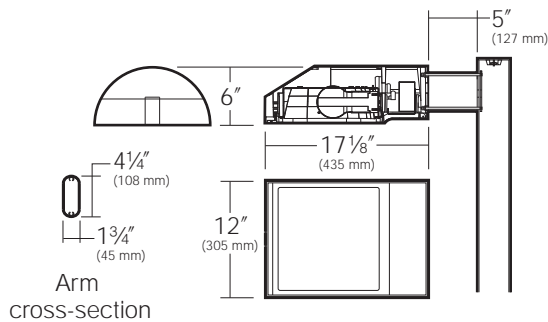
Approvals:

Date:
Page: 1 of 5

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

Specifications

55 watt
Induction Fluorescent
Maximum Fixture weight = 25 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. The fixture's housing forms a half cylinder with 58° 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 am-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 mounts to 3" or 4" junction boxes by a cast aluminum adapter plate with fixture mounting bolts.

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 local codes or the National Electrical Code. Failure to do so may result in serious personal injury.

Listings and Ratings

UL cUL 1598 ¹	CE	IP66 Rated	25C Ambient
--------------------------	----	------------	-------------

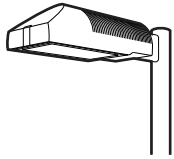
¹Suitable for wet locations.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



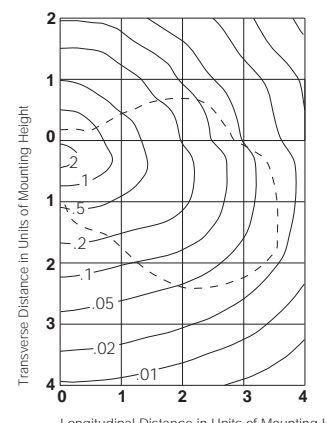


Type:

Job:

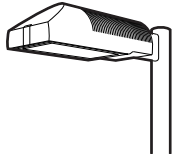


Standard Features

<p>Mounting 3SY configuration is available for round poles only.</p>	<p>Plan View:</p>  <p>EPA: 0.7 1.4 1.2 1.9 1.9 2.5</p> <p>Cat. No.: <input type="checkbox"/> 1SA <input type="checkbox"/> 2SB <input type="checkbox"/> 2SL <input type="checkbox"/> 3ST <input type="checkbox"/> 3SY <input type="checkbox"/> 4SC <input type="checkbox"/> 1W</p>												
<p>Fixture 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></p> <p>Flat Lens Light Distribution: Type III Full Cutoff</p> <p>Cat. No.: <input type="checkbox"/> SAR3</p>												
<p>Electrical Module IF = Induction Fluorescent</p> <table border="1" data-bbox="162 1113 373 1228"> <thead> <tr> <th>Lamp Watts</th> <th>Lamp Type</th> <th>Line Volts</th> </tr> </thead> <tbody> <tr> <td>55</td> <td>IF</td> <td>277</td> </tr> </tbody> </table>	Lamp Watts	Lamp Type	Line Volts	55	IF	277	<p>Cat. Nos. for Electrical Modules available:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 55IF120 <input type="checkbox"/> 55IF208 <input type="checkbox"/> 55IF240 <input type="checkbox"/> 55IF277 <table border="1" data-bbox="487 1155 941 1270"> <thead> <tr> <th>Lamp</th> <th>Induction Lamp</th> </tr> </thead> <tbody> <tr> <td>ANSI Ballast</td> <td>Electronic</td> </tr> <tr> <td>Total System Watts</td> <td>57</td> </tr> </tbody> </table>	Lamp	Induction Lamp	ANSI Ballast	Electronic	Total System Watts	57
Lamp Watts	Lamp Type	Line Volts											
55	IF	277											
Lamp	Induction Lamp												
ANSI Ballast	Electronic												
Total System Watts	57												
<p>Finish 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"/> 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>¹Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>												
<p>Photometrics Cat #: SAR3/55IF Report #: KL01929 Small, 55 Watt 16' Mounting Height</p>	 <p>Transverse Distance in Units of Mounting Height</p> <p>Longitudinal Distance in Units of Mounting Height -- Dashed Line: Half max candela trace</p>												

Type:

Job:



Optional Features

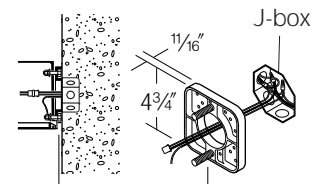
Wall Mounting

Cat. No. **1W**
 No Option

Select from Mounting on page 2.

Fixture mounts to 3" or 4" junction boxes by a cast aluminum adapter plate with fixture mounting bolts.

NOTE: Junction box in wall must provide adequate fixture support. See NEC sections 370-13, 17 and 410-14, 16. Quick-disconnect plug and wiring are provided to allow field connections prior to fixture mounting.



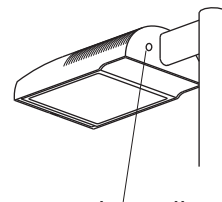
Wall mount using adapter plate 3" or 4" J-box in wall (by others)

Photocell Control

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

Fixture supplied with an internal photocell with the sensor on the fixture end facing the pole. For multiple-fixture pole mountings, one fixture has a photocell to operate the others. Not available if wall mounted (**1W**).

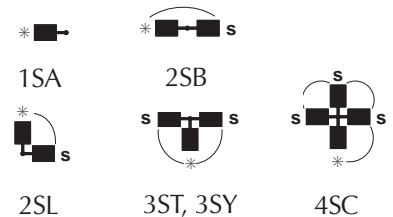
Cat. No. Line Volts:
 A-30 120V
 A-31 208V
 A-32 240V
 A-33 277V



Photocell Sensor

Mounting Configuration:

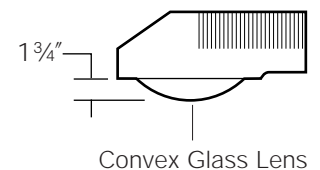
* – Fixture with Photocell Sensor
S – slave unit(s)
 No fixture wattage limit.



Convex Glass Lens

Cat. No. **CGL**
 No Option

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.



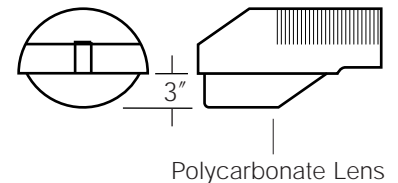
Convex Glass Lens

Polycarbonate Lens

Cat. No. **LS**
 No Option

Fixture supplied with a one piece vacuum formed, clear, UV stabilized convex polycarbonate, fully gasketed, replacing the standard tempered glass lens.

CAUTION: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and metal halide lamps.



Polycarbonate Lens

Type:

Job:

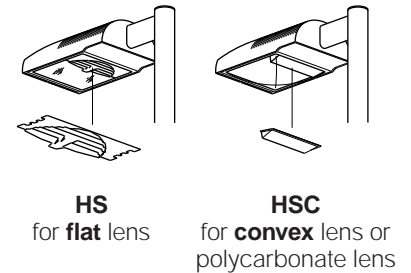


Optional Features

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.

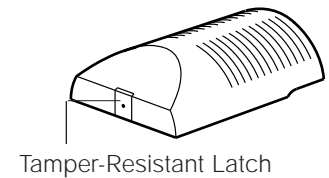
HSC For use with all fixtures with convex glass lens. Not for use with Type V light distributions.

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.

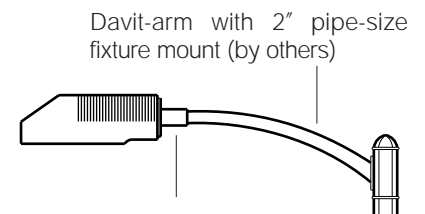
NOTE: Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.



Horizontal Slipfitter Mount

Cat. No. **HSF**
 No Option

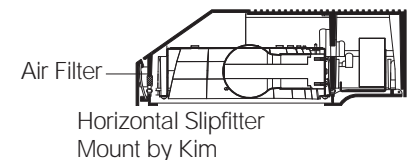
Replaces standard mounting arm with a slipfitter which allows fixture to be mounted to a horizontal pole davit-arm with 2" pipe-size mounting end (2³/₈" O.D.). Cast aluminum slipfitter with set screw anti-rotation lock. Bolts to housing from inside the electrical compartment using mounting holes for the standard support arm. Davit-arm must be field drilled at a set screw location to insure against fixture rotation. Finished to match fixture and arm.



Special Options for Street Lighting

Cat. No. **AF**
 No Option

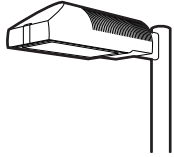
Air Filter (AF): Allows for ventilation through the optical chamber, filtering all air particles above 500 microns. Assembly mounted on solid wall between optical compartment and latch cavity.



Type:

Job:

Page: 5 of 5



Optional Features

Vertical Slipfitter Mounts

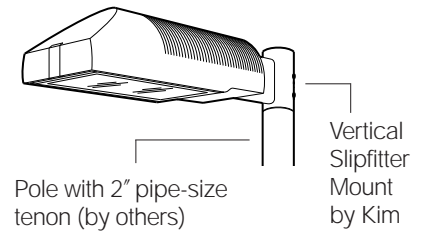
Cat. No. includes Mounting

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

No Option

Allows fixture with standard support arm to be mounted to poles having a 2" pipe-size tenon (2³/₈" O.D. x 4¹/₂" min. length). All mounting configurations can be used (1SA, 2SB, 2SL, 3ST, 3SY, 4SC). 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: 3SY only available on round slipfitter.



Cat. No.

VSF-1SA

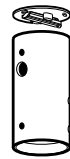
VSF-2SB

VSF-2SL

VSF-3ST

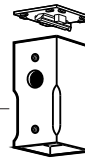
VSF-3SY

VSF-4SC



Round

Stainless
steel set
screws



Square

Cat. No.

SVSF-1SA

SVSF-2SB

SVSF-2SL

SVSF-3ST

SVSF-4SC

Mounting Configuration

1SA - single arm mount

2SB - 2 at 180°

2SL - 2 at 90°

3ST - 3 at 90°

3SY - 3 at 120°

4SC - 4 at 90°