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

____ / ____ / ____ / ____ /                                         ____ /

| Mtg. | Fixture | Electrical Module | Finish | Options |
|------|---------|-------------------|--------|---------|

See page 2 ——————

Options See pages 3-4

Optional
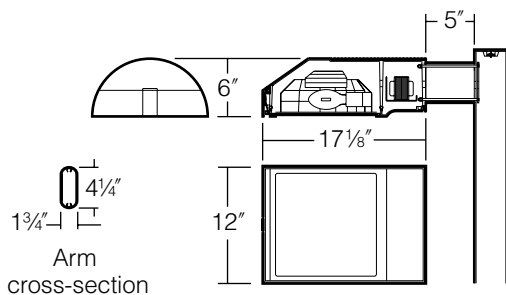Vertical
Slipfitter Mount
See page 5

**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

70 to 150 watt
Medium Base
Maximum Fixture weight (150HPS) = 25 lb

5″

6″

17⅛″

4¼″

1¾″

Arm
cross-section

12″

**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 to provide an IP66 rating for the optical module. 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. PMH and HPS sockets are porcelain 4KV pulse rated medium base. 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 mounts to 3″ or 4″ junction boxes by a cast aluminum adapter plate with fixture mounting bolts.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**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.

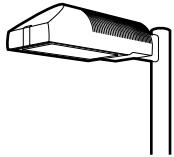| Listings and Ratings | | |
|---|---|---|
| UL cUL 1598₁ | CE | 25C Ambient |

¹Suitable for wet locations.
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

**KIM LIGHTING**
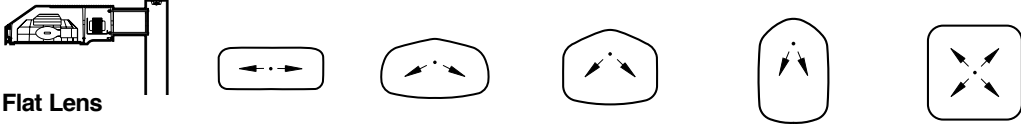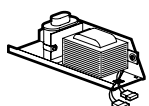
**Type:**

**Job:**                                                                **Page: 2 of 5**

# Standard Features

| Mounting | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **3SY** configuration is available for round poles only. | Plan View: | | | | | | | Wall Mount |
| | EPA: | 0.7 | 1.4 | 1.2 | 1.9 | 1.9 | 2.5 | |
| | Cat. No.: | ☐ **1SA** | ☐ **2SB** | ☐ **2SL** | ☐ **3ST** | ☐ **3SY** | ☐ **4SC** | ☐ **1W** |

**Fixture**

Cat. No. designates fixture and light distribution.

See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application.

**Flat Lens**

| Light Distribution: | Type I | Type II | Type III | Type IV Forward Throw | Type V Square |
|---|---|---|---|---|---|
| | Full Cutoff | Full Cutoff | Full Cutoff | Full Cutoff | Full Cutoff |
| Cat. No.: | ☐ **SAR1** | ☐ **SAR2** | ☐ **SAR3** | ☐ **SAR4** | ☐ **SAR5** |

**Electrical Module**

 **HPS** = High Pressure Sodium

**PMH** = Pulse Start Metal Halideʰ

Cat. Nos. for Electrical Modules available:

High Pressure Sodium

| | | |
|---|---|---|
| ☐ **70HPS120** | ☐ **100HPS120** | ☐ **150HPS120** |
| ☐ **70HPS208** | ☐ **100HPS208** | ☐ **150HPS208** |
| ☐ **70HPS240** | ☐ **100HPS240** | ☐ **150HPS240** |
| ☐ **70HPS277** | ☐ **100HPS277** | ☐ **150HPS277** |
| ☐ **70HPS347** | ☐ **100HPS347** | ☐ **150HPS347** |
| ☐ **70HPS480** | ☐ **100HPS480** | ☐ **150HPS480** |

| Lamp | ED-17, Clear | ED-17, Clear | ED-17, Clear |
|---|---|---|---|
| Socket | Medium Base | Medium Base | Medium Base |
| ANSI Ballast | S-62 | S-54 | S-55 |

Pulse Start Metal Halide

| | | |
|---|---|---|
| ☐ **70PMH120** | ☐ **100PMH120** | ☐ **150PMH120** |
| ☐ **70PMH208** | ☐ **100PMH208** | ☐ **150PMH208** |
| ☐ **70PMH240** | ☐ **100PMH240** | ☐ **150PMH240** |
| ☐ **70PMH277** | ☐ **100PMH277** | ☐ **150PMH277** |
| ☐ **70PMH347** | ☐ **100PMH347** | ☐ **150PMH347** |
| ☐ **70PMH480** | ☐ **100PMH480** | ☐ **150PMH480** |

| Lamp | ED-17, Clear | ED-17, Clear | ED-17, Clear |
|---|---|---|---|
| Socket | Medium Base | Medium Base | Medium Base |
| ANSI Ballast | M-98 | M-90 | M-102 |

Lamp Lamp Line
Watts Type Volts

**150  HPS  120**

**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.
(Visit www.aboutlightingcontrols.org or the Library of Congress website for more details).

**Finish**

TGIC powder coat

| Color: | Black | Dark Bronze | Light Gray | Stealth Gray | Platinum Silver | White | Custom Color¹ |
|---|---|---|---|---|---|---|---|
| Cat. No.: | ☐ **BL** | ☐ **DB** | ☐ **LG** | ☐ **SG** | ☐ **PS** | ☐ **WH** | ☐ **CC** |

¹Custom colors subject to additional charges, minimum quantities and extended lead times.
 Consult representative. Custom color description:_____

# KIM LIGHTING

**SAR**
The Archetype®
revision 04/08/15 • kl_ sarhid_spec.pdf

**Type:**

**Job:**                                                                 **Page: 3 of 5**

# 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.
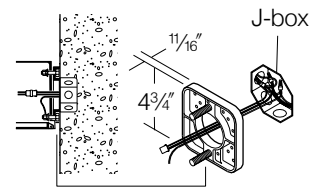
J-box
$^{11}/_{16}$″
$4^{3}/_{4}$″

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)**.
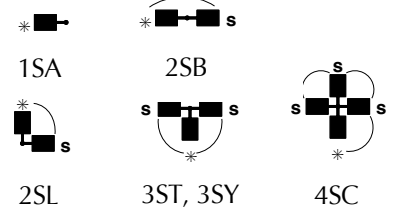
| Cat. No. | Line Volts: |
|---|---|
| ☐ **A-30** | 120V |
| ☐ **A-31** | 208V |
| ☐ **A-32** | 240V |
| ☐ **A-33** | 277V |
| ☐ **A-35** | 347V |
| ☐ **A-34** | 480V |
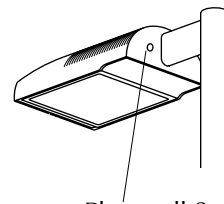
Photocell Sensor

Mounting Configuration:
✳ – Fixture with Photocell Sensor
**S** – slave unit(s)
No fixture wattage limit.e

✳
1SA

✳ s
2SB

✳ s
2SL

s s
3ST, 3SY

s s s s
4SC

---

**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.

$1^{3}/_{4}$″
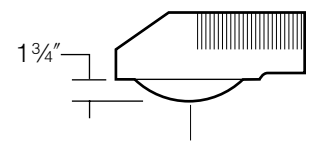
Convex Glass Lens

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**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.

3″
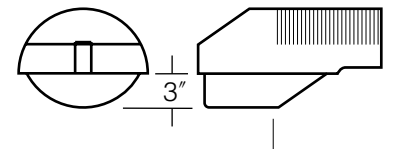
Polycarbonate Lens

---

**Quartz Standby**
Cat. No. ☐ **QS**

☐ **No Option**

Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to HID lamp reaching full brightness. T-4 halogen lamp by others; 100 watt maximum.

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**KIM LIGHTING**

**Type:**

**Job:**                                                                          **Page: 4 of 5**

# Optional Features

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**Houseside Shield**
Cat. No.   **(See right)**
☐ **No Option**

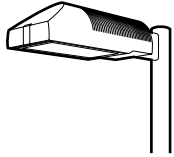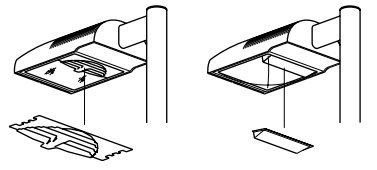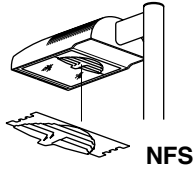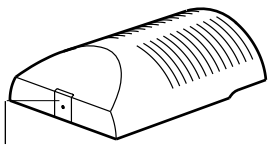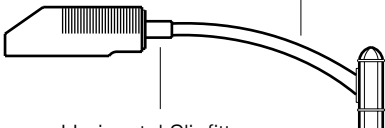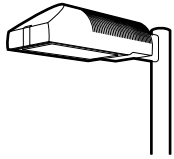**(Types II, III, and IV only)** Fixtures with the standard flat glass lens are available with stamped aluminum louvers that pass streetside light and block houseside light, and a blackened panel added to the reflector to reduce houseside reflections. Fixtures with the optional convex glass lens are 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.Ü

**HS**
for **flat** lens

**HSC**
for **convex** lens or polycarbonate lens

Cat. No.
☐ **HS**       Recommended for use with clear lamps only. Effectiveness is reduced for coated lamps. Not for use with Type V light distributions.

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

---

**Neighbor Friendly Shield**
Cat. No.   ☐ **NFS**
☐ **No Option**

**(Type IV only)** 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 liminaire is dramatically reduced to create extremely low glare behind the pole. Only available on the Type IV reflectors.h

**NFS**

---

**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.

Tamper-Resistant Latch

---

**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 (2⅜″ 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.

Davit-arm with 2″ pipe-size fixture mount (by others)

Horizontal Slipfitter Mount by Kim

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**KIM LIGHTING**

**Type:**

**Job:**                                                                                                    **Page: 5 of 5**

# Optional Features
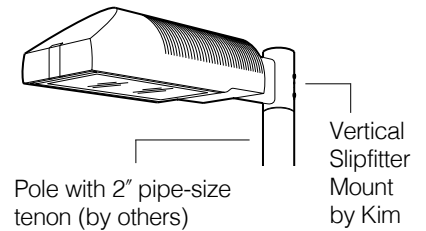
**Vertical Slipfitter Mounts**
Cat. No. includes Mounting
Cat. No.    **(See right)**
            ☐ **No Option**

Allows fixture with standard support arm to be mounted to poles having a 2″ pipe-size tenon (2⅜″ O.D. x 4½″ 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 ⅜″ stainless steel set point allen screws, finished to match fixture and arm.
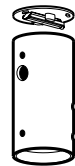
**NOTE:** 3SY only available on round slipfitter.

Pole with 2″ pipe-size
tenon (by others)

Vertical
Slipfitter
Mount
by Kim

| Cat. No. | | | Cat. No. | Mounting Configuration |
|---|---|---|---|---|
| ☐ **VSF-1SA** | | | ☐ **SVSF-1SA** | **1SA** - single arm mount |
| ☐ **VSF-2SB** | | | ☐ **SVSF-2SB** | **2SB** - 2 at 180° |
| ☐ **VSF-2SL** | Stainless | | ☐ **SVSF-2SL** | **2SL** - 2 at 90° |
| ☐ **VSF-3ST** | steel set | | ☐ **SVSF-3ST** | **3ST** - 3 at 90° |
| ☐ **VSF-3SY** | screws | | | **3SY** - 3 at 120° |
| ☐ **VSF-4SC** | Round | Square | ☐ **SVSF-4SC** | **4SC** - 4 at 90° |