



KIM LIGHTING

VL 17" Arm Mounted Vertical Lamp Luminaire

revision 10-1-08 • vl17a.pdf

Type:
Job:
Catalog number:

Approvals:

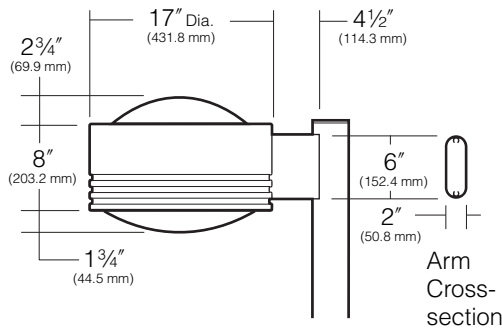
| | | | |
|------------|---------|-------------------|----------------|
| / | / | / | / |
| Mtg. | Fixture | Electrical Module | Finish Options |
| See page 2 | | See page 3 | |

Date:
Page: 1 of 5

Select pole from Kim Arms & Poles Selection Guide. If pole is provided by others indicate O.D. for arm fitting.

Specifications

17" Diameter
70-200 Watt



Housing: Spun aluminum with integral top dome and three equally spaced rollformed reveals, 1/2" wide, separated by 1/2" ribs, 1/4" deep. Sidewalls have a maximum 1° of taper, and are free of welds or fasteners. A rollformed aluminum flange is hemmed into the bottom providing support for the reflector module. An internal aluminum casting provides for mounting of the electrical module and support for the housing hinge.

Lens Frame Assembly: One-piece cast aluminum lens frame is attached to the housing by a zinc plated cold rolled steel hinge with a stainless steel pin. Closure is by a single self-retained stainless steel screw. A zinc plated steel self-locking stop-arm is provided to hold the lens frame or housing in the open position while servicing. A 3/16" thick clear tempered sag-glass lens is fully gasketed by a one-piece extruded and vulcanized silicone gasket. Lens is retained in the lens frame by zinc plated steel clips.

Arm Mounting: Arm is 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 to mate with specified round pole.

Reflector Module: Specular Alzak® optical segments are rigidly mounted within a spun aluminum enclosure that attaches to the housing as a one-piece module. Reflectors are field rotatable in 90° increments. All sockets are factory prewired with a quick-disconnect plug for the ballast module. Wire penetrations to the socket are sealed by a silicone gasket to create a totally sealed optical chamber. The optical segments are positioned so that reflected light does not pass through the lamp arc tube. All reflectors are equipped with a medium base socket (up to 200). All optical systems are interchangeable within the housing.

Electrical Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module attaches inside housing using keyhole slots. All ballasts are high power factor with starting temperatures of -40°F. for HPS and -20°F. for PMH lamp modes.

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 injury.

Listings and Ratings

| | | | |
|----------------------------------------------------|----|------------|-------------|
| UL cUL 1598 ¹ | CE | IP66 Rated | 25C Ambient |
| (Full) Cut Off ² (Flat Glass Lens Only) | | | |

¹Suitable for wet locations

²Dark Sky Legislation Compliant

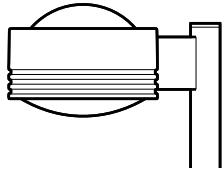
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE



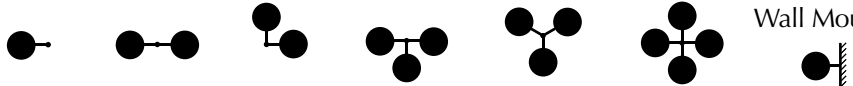


U.S. Patent: D358,898

Type:

Job:



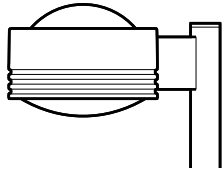
Standard Features

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Mounting 3Y configuration is available for round poles or vertical slipfitter mount (VSF) only.</p> | <p>Plan View:</p>  <p>EPA: 0.9 1.8 1.6 2.5 2.5 2.8 —</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>Fixture Cat. No. designates VL fixture, light distribution and beam spread.</p> <p>See the Kim Site/Roadway Optical Systems Catalog for detailed information on reflector design and application</p> | <p>Convex Lens</p>  <p>Light Distribution: Beam Spread:</p> <p>Asymmetric Wide Asymmetric Medium Square Wide Square Medium</p> <p>Cat. No.: <input type="checkbox"/> VLA17W3 <input type="checkbox"/> VLA17M3 <input type="checkbox"/> VLA17W5 <input type="checkbox"/> VLA17M5</p> <hr/> <p>Optional Flat Lens</p>  <p>Light Distribution: Beam Spread:</p> <p>Asymmetric Medium Square Medium</p> <p>Cat. No.: <input type="checkbox"/> VLA17N3F¹ <input type="checkbox"/> VLA17N5F¹</p> <p>NOTE: ¹All Flat Lens models are Full Cutoff, Narrow Distribution.</p> |

Type:

Job:

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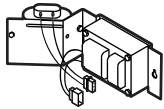


Standard Features

Electrical Module

HPS = High Pressure Sodium

PMH = Pulse Start Metal Halide



| Lamp Watts | Lamp Type | Line Volts |
|------------|-----------|------------|
| 150 | HPS | 277 |

Cat. Nos. for Electrical Modules available:

High Pressure Sodium

| | | | |
|--------------|------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| | <input type="checkbox"/> 70HPS120 | <input type="checkbox"/> 100HPS120 | <input type="checkbox"/> 150HPS120 |
| | <input type="checkbox"/> 70HPS208 | <input type="checkbox"/> 100HPS208 | <input type="checkbox"/> 150HPS208 |
| | <input type="checkbox"/> 70HPS240 | <input type="checkbox"/> 100HPS240 | <input type="checkbox"/> 150HPS240 |
| | <input type="checkbox"/> 70HPS277 | <input type="checkbox"/> 100HPS277 | <input type="checkbox"/> 150HPS277 |
| | <input type="checkbox"/> 70HPS347 | <input type="checkbox"/> 100HPS347 | <input type="checkbox"/> 150HPS347 |
| | <input type="checkbox"/> 70HPS480¹ | <input type="checkbox"/> 100HPS480¹ | <input type="checkbox"/> 150HPS480¹ |
| Lamp | ED-17 or B-17 Clear | ED-17 or B-17 Clear | ED-17 or B-17 Clear |
| Socket | Medium Base | Medium Base | Medium Base |
| ANSI Ballast | S-62 | S-54 | S-55 |

Pulse Start Metal Halide

| | | | |
|--------------|------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| | <input type="checkbox"/> 70PMH120 | <input type="checkbox"/> 100PMH120 | <input type="checkbox"/> 150PMH120 |
| | <input type="checkbox"/> 70PMH208 | <input type="checkbox"/> 100PMH208 | <input type="checkbox"/> 150PMH208 |
| | <input type="checkbox"/> 70PMH240 | <input type="checkbox"/> 100PMH240 | <input type="checkbox"/> 150PMH240 |
| | <input type="checkbox"/> 70PMH277 | <input type="checkbox"/> 100PMH277 | <input type="checkbox"/> 150PMH277 |
| | <input type="checkbox"/> 70PMH347 | <input type="checkbox"/> 100PMH347 | <input type="checkbox"/> 150PMH347 |
| | <input type="checkbox"/> 70PMH480¹ | <input type="checkbox"/> 100PMH480¹ | <input type="checkbox"/> 150PMH480¹ |
| Lamp | ED-17 Clear | ED-17 Clear | ED-17 Clear |
| Socket | Medium Base | Medium Base | Medium Base |
| ANSI Ballast | M-98, M-143 | M-90, M-140 | M-102, M-142 |

Pulse Start Metal Halide

| | | |
|--------------|-------------------------------------------------------|-------------------------------------------------------|
| | <input type="checkbox"/> 175PMH120 | <input type="checkbox"/> 200PMH120 |
| | <input type="checkbox"/> 175PMH208 | <input type="checkbox"/> 200PMH208 |
| | <input type="checkbox"/> 175PMH240 | <input type="checkbox"/> 200PMH240 |
| | <input type="checkbox"/> 175PMH277 | <input type="checkbox"/> 200PMH277 |
| | <input type="checkbox"/> 175PMH347 | <input type="checkbox"/> 200PMH347 |
| | <input type="checkbox"/> 175PMH480¹ | <input type="checkbox"/> 200PMH480¹ |
| Lamp | ED-17 Clear | ED-17 Clear |
| Socket | Medium Base | Medium Base |
| ANSI Ballast | M-137 | M-136 |

¹480 volt with medium base sockets may require approval of local building code authority.

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

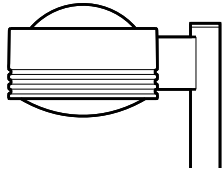
Super TGIC powder coat paint over a titanated zirconium conversion coating.

Color: Black Dark Bronze Light Gray Stealth Gray™ Platinum Silver White Custom Color²
 Cat. No.: **BL** **DB** **LG** **SG** **PS** **WH** **CC**

²Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____

Type:

Job:



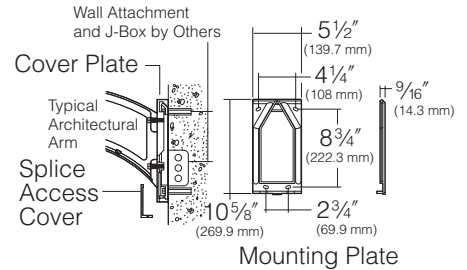
Optional Features

Wall Mounting

Cat. No. **1W**

Select from Mounting on page 2.

Wall Mount: A cast mounting plate of 356 alloy, low-copper (<0.6% Cu) aluminum, is mounted to the wall with bolts (by others). Fixture and arm are mounted to a cast 356 alloy aluminum cover plate before attaching to the wall mounting plate. The fixture-arm-cover plate assembly is hooked to the wall mounting plate, and secured with stainless steel screws provided. After mounting to the wall, field splices are made at the opening in the cover plate, then covered by a cast 356 alloy aluminum plate that blends with the cover plate design. Complete fixture-arm-cover plate assembly can therefore be mounted before field splices are made. Cover plate is finished to match arm and fixture powder coat color.



CAUTION: Structural integrity of mounting plate attachment to wall is by others.

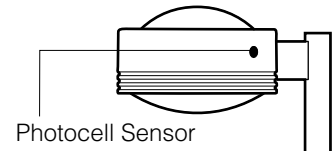
Photocell

Cat. No.

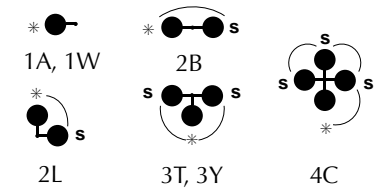
(See chart on right)

No Option

Factory installed photocell inside housing with a fully gasketed sensor on the side wall. For multiple fixture mountings, one fixture is supplied with a photocell to operate the others.



| Cat. No. | Line Volts | Mounting (see page 2) |
|-------------------------------|------------|-------------------------------------|
| <input type="checkbox"/> A-30 | 120V | |
| <input type="checkbox"/> A-31 | 208V | * Fixture with photocell receptacle |
| <input type="checkbox"/> A-32 | 240V | |
| <input type="checkbox"/> A-33 | 277V | |
| <input type="checkbox"/> A-35 | 347V | |
| <input type="checkbox"/> A-34 | 480V | s slave unit(s) |



Allowable wattage per fixture:

70-200W

Polycarbonate Lens

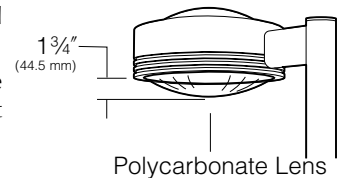
Cat. No.

L17

No Option

Clear UV stabilized convex polycarbonate replaces standard tempered glass lens, gasketed and integral with lens frame.

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



Houseside Shield

Cat. No.

(See right)

No Option

Fixtures with the standard convex glass lens or polycarbonate 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.

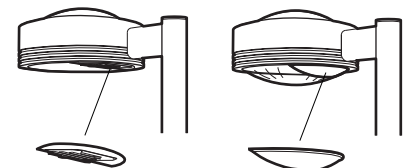
Fixtures with the optional flat glass lens are available with stamped aluminum louvers that pass streetside light and block houseside light, and a blackened panel added to the reflector to reduce houseside reflections.

Note: Recommended for use with clear lamps only.

Cat. No.

HS For fixtures with optional flat glass lens. For use with asymmetric distribution only.

HSC For use with asymmetric distributions only. For fixtures with standard convex glass lens or optional polycarbonate lens.

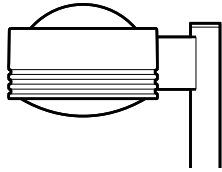


HS
for flat lens

HSC
for convex lens or polycarbonate lens

Type:

Job:



Optional Features

Vertical Slipfitter Mount

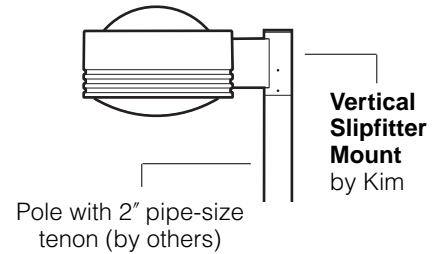
Cat. No. includes Mounting.

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

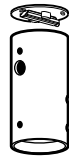
For existing pole installation or for use with poles provided by others.

Allows standard fixture and arm to be mounted to steel poles having a 2" pipe-size steel tenon (2 3/8" O.D. x 4 1/2" min. length). 4" round cast aluminum with flush cap, secured by four 3/8" stainless steel set point allen screws. Pole tenon must be field drilled at one set screw location to insure against fixture rotation. Finished to match fixture.

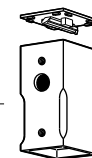
NOTE: 3Y only available on round slipfitter.



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



Stainless steel set screws



4" Square

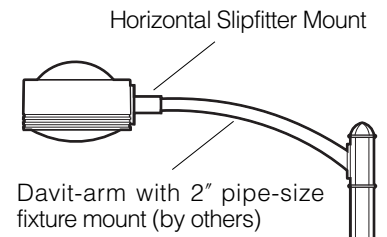
Cat. No.
 SVSF-1A
 SVSF-2B
 SVSF-2L
 SVSF-3T
 SVSF-4C

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°

Horizontal Slipfitter Mount

Cat. No. **HSF**
 No Option

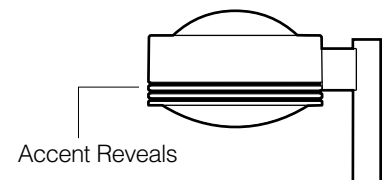
Replaces standard mounting arm with a slipfitter which allows VL Arm Mount model to be mounted to a horizontal pole davit-arm with 2" pipe-size mounting end (2 3/8" O.D.). Cast aluminum clamp-type slipfitter with set screw anti-rotation lock. Bolts to housing from inside the electrical compartment using 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.



Accent Reveals

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

Three aluminum bands riveted inside the housing reveals. Available in five standard Kim powder coat finishes. Custom colors available. 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.



Color: Black Dark Bronze Light Gray Stealth Gray™ Platinum Silver White Custom Colors¹
 Cat. No.: **BL-REV** **DB-REV** **LG-REV** **SG-REV** **PS-REV** **WH-REV** **CC-REV**

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