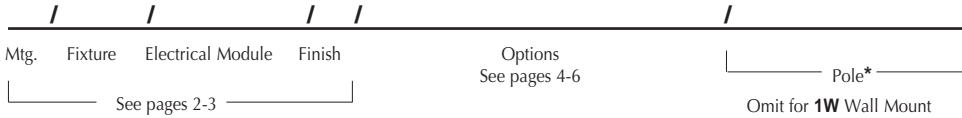




KIM LIGHTING

Type:
Job:
Catalog number:



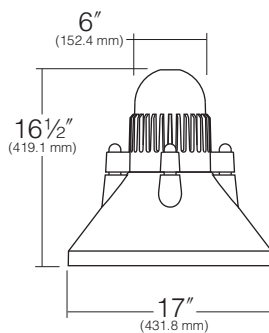
*Select pole from Kim Arms and Poles Selection Guide. If pole is provided by others indicate O.D. for arm fitting.

Approvals:

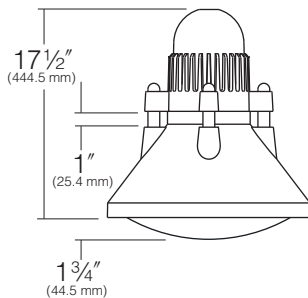
Date:
Page: 1 of 6

Specifications

RA17
17" Diameter
70 to 150 Watt



RA17
with optional
Glow Ring and
Convex Lens



Housing: The Ballast Housing is a one-piece die-cast, low copper (<0.6% Cu) aluminum alloy component with integral cooling fins. The Reflector Housing is one-piece die-cast, low copper (<0.6% Cu) aluminum alloy. The Ballast Housing attaches to the Reflector Housing with stainless steel fasteners and is sealed with a silicone gasket.

Lens Frame: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy. Stainless steel hinges provided for attachment to the Reflector Housing. Stainless steel threaded fasteners provide easy access, concealed from normal view. The 3/16" thick clear flat or convex tempered glass lens seals against the reflector flange by a one-piece extruded silicone gasket with fused seam, to produce a fully sealed optical chamber.

Mounting: Stainless steel bolts are provided to attach the luminaire to the crook arm or swept arm mounting.

Reflector Module: Specular Alzak® optical segments are rigidly mounted within a spun aluminum enclosure which attaches to the Reflector 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, with wires passing through a silicone gasket to maintain sealed optical chamber integrity. The optical segments are positioned so that reflected light does not pass through the lamp arc tube. The reflector modules are equipped with medium base sockets rated 4K. 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 for attachment to the incoming wires and the socket wires. The module attaches inside the housing using keyhole slots. All ballasts are high power factor with starting temperatures of -40°F for HPS 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	IP66 Rated
Co (Full) Cut Off ² (Flat Glass Lens Only) FCO Full Cutoff (CGL)	

¹Suitable for wet locations.

²Dark Sky Legislation Compliant

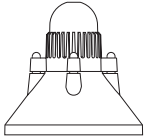
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.




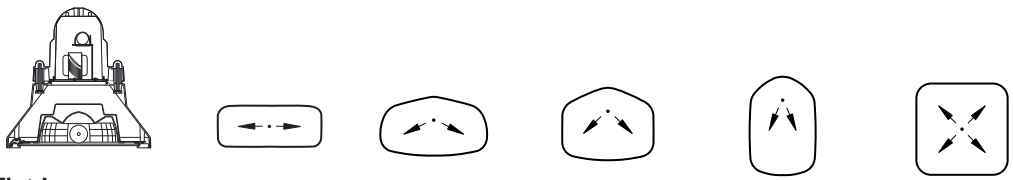
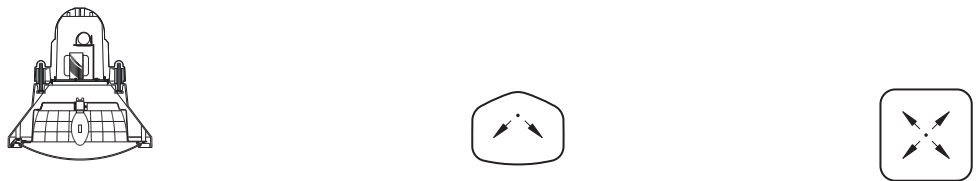
U.S. Patent D430,687

Type:

Job:



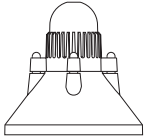
Standard Features

<p>Mounting</p>	<p>Plan View:</p>  <p>EPA 17': 0.8 1.6 2.4 2.8 n/a</p> <p>Cat. No.: <input type="checkbox"/> 1A <input type="checkbox"/> 2B <input type="checkbox"/> 3Y <input type="checkbox"/> 4C <input type="checkbox"/> 1W</p> <p>NOTE: 1A, 2B, 3Y and 4C mounting arms are part of the Pole Assembly. 1W Wall Mount arm is not included and must be ordered separately. See page 6 for styles and ordering information.</p>
<p>Fixture Cat. No. designates RA fixture and light distribution.</p> <p>See the Kim Site/Roadway Optical Systems catalog for complete details and explanation of optical system features.</p>	<p>Horizontal Lamp</p>  <p>Flat Lens Light Distribution: Type I Type II Type III Type IV Full Cutoff Full Cutoff Full Cutoff Forward Throw Full Cutoff Full Cutoff Full Cutoff Full Cutoff</p> <p>Cat. No.: <input type="checkbox"/> RA171 <input type="checkbox"/> RA172 <input type="checkbox"/> RA173 <input type="checkbox"/> RA174 <input type="checkbox"/> RA175</p> <hr/> <p>Vertical Lamp</p>  <p>Convex Lens Cutoff Light Distribution: Asymmetric Symmetric Square</p> <p>Cat. No.: 17" <input type="checkbox"/> RA17F3 <input type="checkbox"/> RA17F5</p>

Type:

Job:

Page: 3 of 6

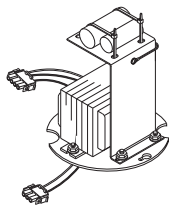


Standard Features

Electrical Module

HPS = High Pressure Sodium

PMH = Pulse Start Metal Halide



Lamp Watts	Lamp Type	Line Volts
400	HPS	277

NOTE: For lamp/ballast information outside of the U.S. and Canada, please consult your local Kim representative.

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"/> 70HPS480 ¹ | <input type="checkbox"/> 100HPS480 ¹ | <input type="checkbox"/> 150HPS480 ¹ |

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

Pulse Start Metal Halide

- | | | |
|---|---|---|
| <input type="checkbox"/> 100PMH120 | <input type="checkbox"/> 150PMH120 | <input type="checkbox"/> 175PMH120 ² |
| <input type="checkbox"/> 100PMH208 | <input type="checkbox"/> 150PMH208 | <input type="checkbox"/> 175PMH208 ² |
| <input type="checkbox"/> 100PMH240 | <input type="checkbox"/> 150PMH240 | <input type="checkbox"/> 175PMH240 ² |
| <input type="checkbox"/> 100PMH277 | <input type="checkbox"/> 150PMH277 | <input type="checkbox"/> 175PMH277 ² |
| <input type="checkbox"/> 100PMH347 | <input type="checkbox"/> 150PMH347 | <input type="checkbox"/> 175PMH347 ² |
| <input type="checkbox"/> 100PMH480 ¹ | <input type="checkbox"/> 150PMH480 ¹ | <input type="checkbox"/> 175PMH480 ^{1,2} |

Lamp	ED-17, Clear	ED-17, Clear	ED-17, Clear
Socket	Medium Base	Medium Base	Medium Base
ANSI Ballast Type	M-90	M-102	M-137

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

²175PMH lamp not for use in horizontal lamp reflectors.

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 titanated zirconium conversion coating.

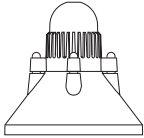
Color: Black Dark Bronze Light Gray Stealth Gray™ Platinum Silver White Custom Color³
 Cat. No.: **BL** **DB** **LG** **SG** **PS** **WH** **CC**

³Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____

Type:

Job:

Page: 4 of 6



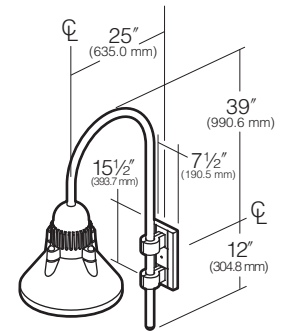
Optional Features

Wall Mounting

Cat. No. **1W**

Select from Mounting on page 2.

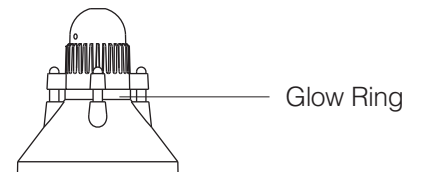
Cast aluminum wall mounting plate pre-attaches to wall with bolts (by others). A cast cover with crook attachments hangs on mounting plate during field wiring and fastening. Splice cover supplied. **1W** Wall Mount arm is not included and must be ordered separately.



Glow Ring

Cat. No. **GR**
 No Option

Diffuse tempered glass securely held between the Ballast Housing and Reflector Housing with stainless steel fasteners and silicone gaskets. Extruded aluminum spacers extend Ballast Housing to Reflector Housing connections.

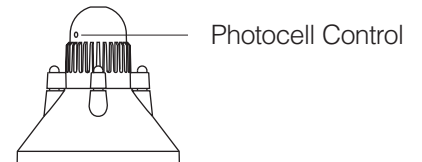


Photocell

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

Factory installed fully gasketed sensor.

Cat. No.	Line Volts	Cat. No.	Line Volts
<input type="checkbox"/> A-30	120V	<input type="checkbox"/> A-33	277V
<input type="checkbox"/> A-31	208V	<input type="checkbox"/> A-34	480V
<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-35	347V

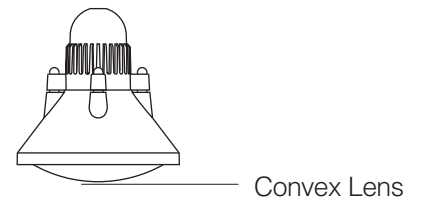


Convex Glass Lens

Cat. No. **CGL**
 No Option

Convex Glass Lens: The 3/16" thick clear convex tempered glass lens replaces the standard flat glass lens in horizontal lamp fixtures. Provides increased lens presence and provides a subtle improvement in uniformity where pole spacing is extreme.

NOTE: Convex Lens is standard on all Vertical Lamp Optical Systems.

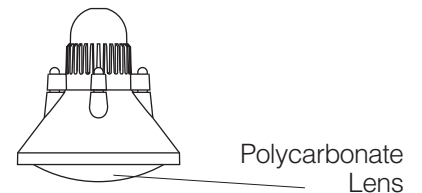


Polycarbonate Lens

Cat. No. **LS**
 No Option

One-piece vacuum formed, clear, UV stabilized convex polycarbonate, fully gasketed, replacing the standard tempered glass lens. 250 watt maximum. May be used with 400 watt HPS in locations where ambient air temperature during fixture operation will not exceed 85°F.

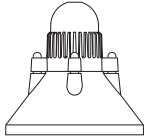
CAUTION: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and metal halide lamps.



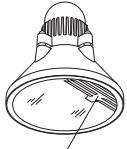
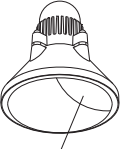
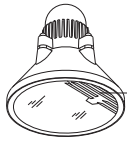
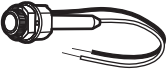
Type:

Job:

Page: 5 of 6



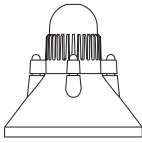
Optional Features

<p>Houseside Shield Cat. No. <input type="checkbox"/> No Option</p>	<p>(Types II, III, IV, and Asymmetric distributions only). The cutoff horizontal reflectors 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. The vertical reflectors and horizontal reflectors with the optional convex glass lens are available with a formed aluminum shield that passes streetside light and blocks houseside light, and a blackened panel added to the reflector to reduce houseside reflections.</p> <p>Cat. No. <input type="checkbox"/> HS Recommended for use with clear lamps only. Effectiveness is reduced for coated lamps. Not for use with Type V (horizontal lamp) or symmetric (vertical lamp) light distributions</p> <p><input type="checkbox"/> HSC For use with all fixtures with polycarbonate or convex glass lens. Not for use with Type V or symmetric light distributions.</p>	 <p>HS for flat lens</p>  <p>HSC for convex lens or polycarbonate lens</p>
<p>Neighbor Friendly Shield Cat. No. <input type="checkbox"/> NFS <input type="checkbox"/> No Option</p>	<p>(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 luminaire is dramatically reduced to create extremely low glare behind the pole. Only available on the Type IV reflectors.</p>	 <p>Neighbor Friendly Shield for flat lens</p>
<p>Fusing Cat. No. (See right) <input type="checkbox"/> No Option</p>	<p>High temperature fuse holders factory installed. Fuse is included.</p> <p>Line Volts: 120V 208V 240V 277V 347V 480V Cat. No.: <input type="checkbox"/> SF <input type="checkbox"/> DF <input type="checkbox"/> DF <input type="checkbox"/> SF <input type="checkbox"/> SF <input type="checkbox"/> DF</p> 	
<p>Poles and Arms</p>	<p>See Kim Lighting's Arms and Poles Selection Guide for a complete selection of heritage style poles. Arm variations are shown on page 6.</p>	



Type:

Job:



Arm Options

Arms

Note: Refer to Kim Lighting's Arms and Poles Selection Guide for complete details.

Mounting Orientation

- 1SA
- 2SB
- 3SY
- 4SC

Post Top Crook

ARM Tenon Mount Wall Mt



HA01S HA01S-TM1

Side Pole Crook

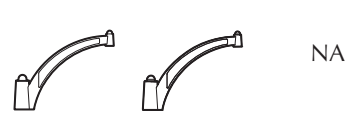
ARM Tenon Mount Wall Mt



HA02S HA02S-TM1
HA02S-TM2
HA02S-TM3
HA02S-TM4

Post Top Swept Cast Arm

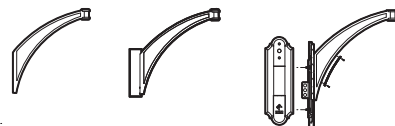
ARM Tenon Mount Wall Mt



HA03S HA03S-TM1
HA03S-TM2
HA03S-TM3
HA03S-TM4

Side Pole Swept Cast Arm

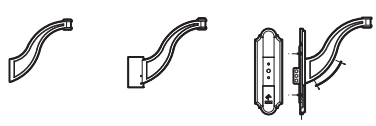
ARM Tenon Mount Wall Mt



HA11S HA11S-TM1
HA11S-TM2
HA11S-TM3
HA11S-TM4

Side Pole S-Shaped Up Cast Arm

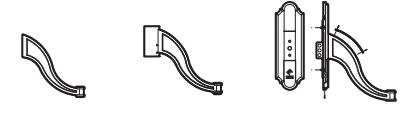
ARM Tenon Mount Wall Mt



HA12S HA12S-TM1
HA12S-TM2
HA12S-TM3
HA12S-TM4

Side Pole S-Shaped Down Cast Arm

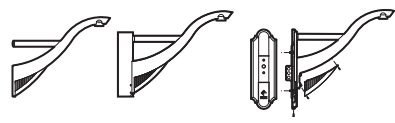
ARM Tenon Mount Wall Mt



HA13S HA13S-TM1
HA13S-TM2
HA13S-TM3
HA13S-TM4

Side Pole Neo-Classic Arm

ARM Tenon Mount Wall Mt



HA14S HA14S-TM1
HA14S-TM2
HA14S-TM3
HA14S-TM4

Side Pole Ribbon Arm w/Top Scroll

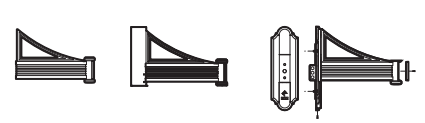
ARM Tenon Mount Wall Mt



HA31S HA31S-TM1
HA31S-TM2
HA31S-TM3
HA31S-TM4

Side Pole Ribbon Arm w/Top Gusset

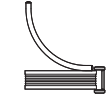
ARM Tenon Mount Wall Mt



HA33S HA33S-TM1
HA33S-TM2
HA33S-TM3
HA33S-TM4

Side Pole Ribbon Arm w/Top Brace

ARM Tenon Mount Wall Mt



HA35S HA35S-TM
Consult
Factory

Side Pole Ribbon Arm w/Top Brace & Bottom Scroll

ARM Tenon Mount Wall Mt



HA37S HA37S-TM
Consult
Factory

Side Pole Ribbon Arm w/Top Brace & Bottom Gusset

ARM Tenon Mount Wall Mt



HA38S HA38S-TM
Consult
Factory