KIM LIGHTING

RA17
17″ Era® LED

revision 5/27/11 • kim_ra17led_spec.pdf

Type:
Job:
Catalog number:

/ / / / /

Mtg Fixture — See page 2 — Electrical Module — Finish — Options — See page 3 — Pole & Arm*

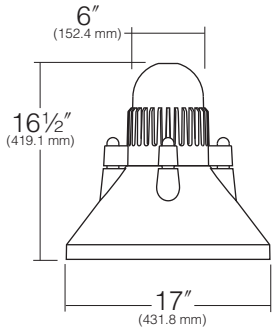
***Select pole and arm from Kim **Arms and Poles Selection Guide**. If pole is provided by others, indicate O.D. for arm fitting. Arm Options are also shown on page 4.

Approvals:

Date:

Specifications

17″ Diameter
60 Light Emitting Diodes
Total System Watts = 73W



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.

Electronic Module: All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired with quick-disconnect plugs. Module includes a driver, LifeShield™ temperature control device and surge protector. Electrical module attaches to housing with key hole slots, accessible by opening the lens frame and removing optical module. Driver is rated for -40°F starting and has a 0-10V dimming interface for multi-level illumination options.

Optical Module: Precision, replaceable MicroEmitter™ reflectors are positioned to achieve directional control toward desired task. The entire EmitterDeck™ mounting assembly fastens to the housing as a one-piece module.

Finish/Color: TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray™, Platinum Silver, or White. Custom colors are available.

Warranty: Kim Lighting warrants Era LED products ("Product(s)") sold by Kim Lighting to be free from defects in material and workmanship for (i) a period of five (5) years for metal parts, (ii) a period of ten (10) years for exterior housing paint finish(s), (iii) a period of six (6) years for LED Light Engines (MicroEmitter reflectors) and, (iv) a period of five (5) years for LED power components (LED Driver, LifeShield temperature control device, surge protector), from the date of sale of such goods to the buyer as specified in Kim Lighting shipment documents for each product.

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
ETL[1] to UL Standard 8750

[1]Suitable for wet locations.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

HUBBELL LIGHTING, INC.

U.S. Patent D430,687

 • P.O. BOX 60080, CITY OF INDUSTRY, CA 91716-0080 • TEL: 626/968-5666 • FAX: 626/369-2695

Standard Features

Mounting

Plan View: 

EPA 17″:	0.8	1.6	2.4	2.8	n/a
Cat. No.:	☐ **1A**	☐ **2B**	☐ **3Y**	☐ **4C**	☐ **1W**

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 **4** for styles and ordering information.

Fixture

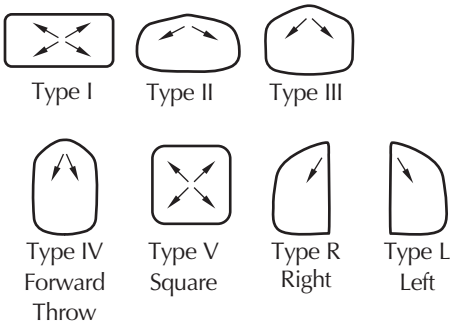
Cat. No. designates fixture and optic

RA17 x

Housing Size: 17″

Distribution:
- ☐ 1 = Type I Full Cutoff
- ☐ 2 = Type II Full Cutoff
- ☐ 3 = Type III Full Cutoff
- ☐ 4 = Type IV Full Cutoff
- ☐ 5 = Type V Square Full Cutoff
- ☐ L = Type L Left Full Cutoff
- ☐ R = Type R Right Full Cutoff

Light Distribution:



Electrical Module

NOTE: Era system employs Nichia's SSL product.

Part number: NS6x183 (NS6L183-H3,NS6W183-H3)

Cat. Nos. for Electrical Modules available:

60 LxK x

Source: 60 = 60 LED's

Color Temperature:[1]
- ☐ L3K = 3500K
- ☐ L5K = 5100K
- ☐ L2K = 580nm - Amber

Voltage:
- ☐ 120 = 120V
- ☐ 208 = 208V
- ☐ 240 = 240V
- ☐ 277 = 277V
- ☐ 347 = 347V[2]
- ☐ 480 = 480V[2]

[1]4300K and 6500K are also available on an "Engineered-to-Order" (ETO) basis.
[2]Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.

Fixture	Max System Watts	Volt	Operating Amps
RA17 LED	73	120	0.61
RA17 LED	73	208	0.35
RA17 LED	73	240	0.30
RA17 LED	73	277	0.26
RA17 LED	73	347	0.21
RA17 LED	73	480	0.15

Watt, volt and amps are based on max assumptions, rather than thermal in situ testing.

Finish

TGIC powder coat paint over a titanated zirconium conversion coating.

Color: Black Dark Bronze Light Gray Stealth Gray® Platinum Silver White Custom Color[1]

Cat. No.: ☐ **BL** ☐ **DB** ☐ **LG** ☐ **SG** ☐ **PS** ☐ **WH** ☐ **CC**

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

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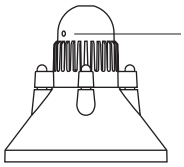
Optional Features

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

Factory installed fully gasketed sensor.

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

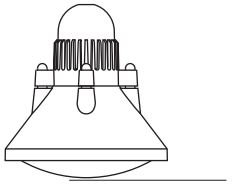


Dimming Controls

The Era LED driver is a 0-10V dimming interface, allowing 0-100% illumination output when synchronized with a control and dimming system, provided by others. Kim Lighting is working with several control system manufacturers to develop a variety of proven turnkey solutions to meet any application's need. Kim Lighting will advise availability of complete control packages, and even two-way monitoring systems, once they have been tested and exceed Kim's high quality standards.

Convex Glass Lens
Cat. No. ☐ **CGL**
☐ **No Option**

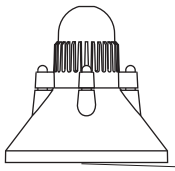
Convex Glass Lens: The 3⁄16″ thick clear convex tempered glass lens replaces the standard flat glass lens. Provides increased lens presence and provides a subtle improvement in uniformity where pole spacing is extreme.



Polycarbonate Lens
Cat. No. ☐ **LS**
☐ **No Option**

One-piece, clear, UV stabilized polycarbonate, fully gasketed, replacing the standard tempered glass lens.

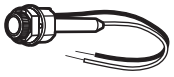
CAUTION: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight.



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

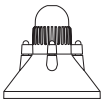
High temperature fuse holders factory installed. Fuse is included.

Line Volts:	120V	208V	240V	277V	347V	480V
Cat. No.:	☐ **SF**	☐ **DF**	☐ **DF**	☐ **SF**	☐ **SF**	☐ **DF**



Poles and Arms

See Kim Lighting's **Arms and PolesSelection Guide** for a complete selection of heritage style poles. Arm variations are shown on page 4.



Arm Options

Arms

Note: Wall mount arm is not included and must be ordered separately. Refer to Kim Lighting's Arms and Poles Selection Guide for complete details.

Mtg.	Post Top Crook			Side Pole Crook			Post Top Swept Cast Arm		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	☐ HA01S	☐ HA01S-TM1	—	☐ HA02S	☐ HA02S-TM1	☐ HA02S-W	☐ HA03S	☐ HA03S-TM1	—
2SB	—	—	—	—	☐ HA02S-TM2	—	—	☐ HA03S-TM2	—
3SY	—	—	—	—	☐ HA02S-TM3	—	—	☐ HA03S-TM3	—
4SC	—	—	—	—	☐ HA02S-TM4	—	—	☐ HA03S-TM4	—

Mtg.	Side Pole Swept Cast Arm			Side Pole S-Shaped Up Cast Arm		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	☐ HA11S	☐ HA11S-TM1	☐ HA11S-W	☐ HA12S	☐ HA12S-TM1	☐ HA12S-W
2SB	—	☐ HA11S-TM2	—	—	☐ HA12S-TM2	—
3SY	—	☐ HA11S-TM3	—	—	☐ HA12S-TM3	—
4SC	—	☐ HA11S-TM4	—	—	☐ HA12S-TM4	—

Mtg.	Side Pole Neo-Classic Arm			Side Pole Arm w/Top Scroll			Side Pole Ribbon Arm w/Top Gusset		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	☐ HA14S	☐ HA14S-TM1	☐ HA14S-W	☐ HA31S	☐ HA31S-TM1	☐ HA31S-W	☐ HA33S	☐ HA33S-TM1	HA33S-W
2SB	—	☐ HA14S-TM2	—	—	☐ HA31S-TM2	—	—	☐ HA33S-TM2	—
3SY	—	☐ HA14S-TM3	—	—	☐ HA31S-TM3	—	—	☐ HA33S-TM3	—
4SC	—	☐ HA14S-TM4	—	—	☐ HA31S-TM4	—	—	☐ HA33S-TM4	—

Mtg.	Side Pole Ribbon Arm w/Top Brace			Side Pole Ribbon Arm w/Top Brace & Bottom Scroll			Side Pole Ribbon Arm w/Top Brace & Bottom Gusset		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1SA	☐ HA35S	☐ HA35S-TM	☐ HA35S-W	☐ HA37S	☐ HA37S-TM	☐ HA37S-W	☐ HA38S	☐ HA38S-TM	HA38S-W
		Consult factory for other mtgs.	Consult factory for other mtgs.		Consult Factory for other mtgs	Consult Factory for other mtgs		Consult Factory for other mtgs	Consult Factory for other mtgs

Arm Finial:

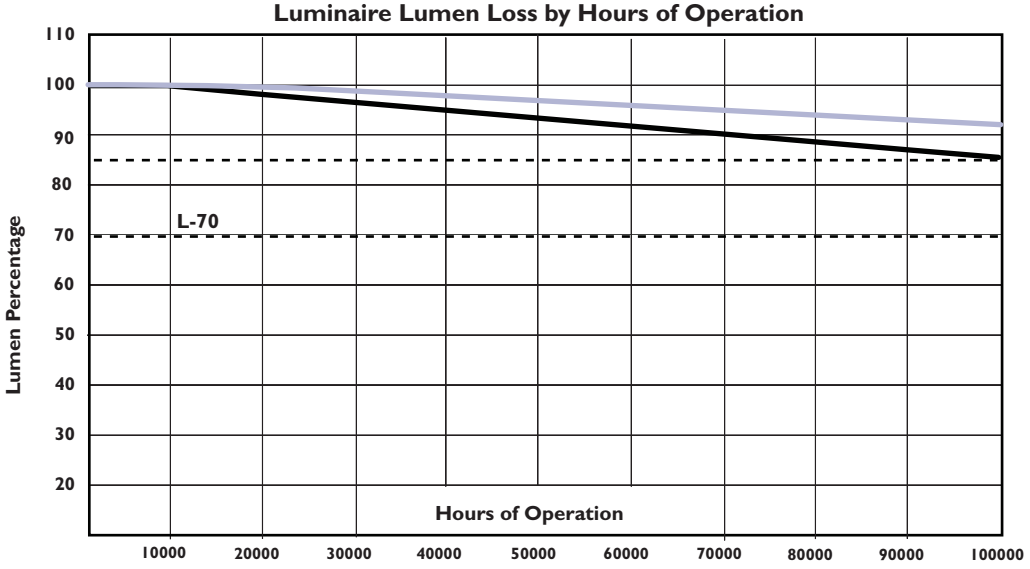
HAF2 - Traditional style finial available to close off mounting hub opposite the fixture.
[1]Not available on arm where indicated.

Lumen Performance Charts

NOTES:

1. Lumen loss stablization is a result of Kim Lighting's MicroEmitter™ luminaires exclusive LifeShield™ temperature control device and Dual Heat Management.
2. The LifeShield temperature control device will lower the current to the LEDs significantly if the luminaire is exposed to direct heat (sun) or excessive abnormal conditions.
3. Luminaire Lumen Loss assumptions are based on LM-80 results and an actual outdoor product testing based upon 5100K CCT, 350mA drive current. 25°C/77°F tab ambient and cathode temperature at 85°C/185°F. Assumptions past 6,000 hours are interpolated.
4. Cathode temperature baseline is at 85°C/185°F. If cathode temperature increases during ambient changes and abnormal environment conditions, % of rated lumens will slightly decrease.
5. Outdoor ambient temperatures are assumed SITU average by geographic region.
6. As Solid State Lighting technology and thermal management systems continually advance, lumen loss projections are subject to improvement.

Luminaire Lumen Loss by Hours of Operation



Outdoor Temperature at 10°C/50°F. Temperature is based on continual average, annual assumptions.

Outdoor Temperature at 40°C/104°F. Temperature is based on continual average, annual assumptions.

Luminaire Output at Outdoor Ambient Temperatures