

Type:
Job:
Catalog number:

Approvals:

/ / / / /

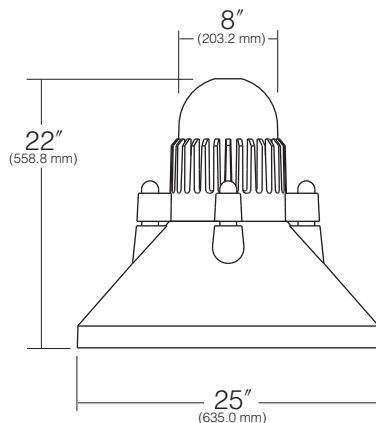
 Mtg Fixture Electrical Module Finish Options Pole & Arm*
 See page 2 See page 3

*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.

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Specifications

25" Diameter
120 Light Emitting Diodes
Total System Watts = 140W



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 MicroEmitters are positioned to achieve directional control toward desired task. The entire EmitterDeck 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

ETL¹ to UL Standard 8750

¹Suitable for wet locations.

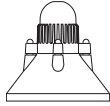
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.








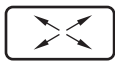






U.S. Patent D430,687

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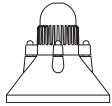
Standard Features

<p>Mounting</p>	<p>Plan View:     </p> <p>EPA 25': 1.5 3.0 4.5 5.2 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 4 for styles and ordering information.</p>																												
<p>Fixture Cat. No. designates fixture and optic</p>	<p>RA25 x</p> <p>Housing Size: 25"</p> <p>Distribution:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1 = Type I Full Cutoff <input type="checkbox"/> 2 = Type II Full Cutoff <input type="checkbox"/> 3 = Type III Full Cutoff <input type="checkbox"/> 4 = Type IV Full Cutoff <input type="checkbox"/> 5 = Type V Square Full Cutoff <input type="checkbox"/> L = Type L Left Full Cutoff <input type="checkbox"/> R = Type R Right Full Cutoff <p>Light Distribution:</p> <p> Type I  Type II  Type III</p> <p> Type IV Forward Throw  Type V Square  Type R Right  Type L Left</p>																												
<p>Electrical Module</p> <p>NOTE: Era system employs Nichia's SSL product. Part number: NS6x183 (NS6L183-H3, NS6W183-H3)</p>	<p>Cat. Nos. for Electrical Modules available:</p> <p>120 LxK x</p> <p>Source: 120 = 120 LED's</p> <p>Color Temperature:¹</p> <ul style="list-style-type: none"> <input type="checkbox"/> L3K = 3500K <input type="checkbox"/> L5K = 5100K <input type="checkbox"/> L2K = 580nm - Amber <p>Voltage:</p> <ul style="list-style-type: none"> <input type="checkbox"/> 120 = 120V <input type="checkbox"/> 208 = 208V <input type="checkbox"/> 240 = 240V <input type="checkbox"/> 277 = 277V <input type="checkbox"/> 347 = 347V <input type="checkbox"/> 480 = 480V <p>¹4300K and 6500K are also available on an "Engineered-to-Order" (ETO) basis.</p> <table border="1" data-bbox="500 1583 1528 1776"> <thead> <tr> <th>Fixture</th> <th>Total System Watts</th> <th>Volt</th> <th>Operating Amps</th> </tr> </thead> <tbody> <tr> <td>RA25 LED</td> <td>140</td> <td>120</td> <td>1.17</td> </tr> <tr> <td>RA25 LED</td> <td>140</td> <td>208</td> <td>0.67</td> </tr> <tr> <td>RA25 LED</td> <td>140</td> <td>240</td> <td>0.58</td> </tr> <tr> <td>RA25 LED</td> <td>140</td> <td>277</td> <td>0.51</td> </tr> <tr> <td>RA25 LED</td> <td>140</td> <td>347</td> <td>0.40</td> </tr> <tr> <td>RA25 LED</td> <td>140</td> <td>480</td> <td>0.29</td> </tr> </tbody> </table>	Fixture	Total System Watts	Volt	Operating Amps	RA25 LED	140	120	1.17	RA25 LED	140	208	0.67	RA25 LED	140	240	0.58	RA25 LED	140	277	0.51	RA25 LED	140	347	0.40	RA25 LED	140	480	0.29
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<p>Finish 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>																												

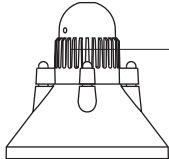
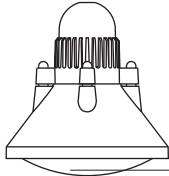
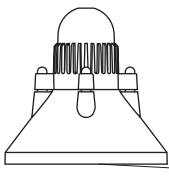
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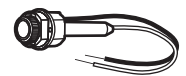
Job:

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Optional Features

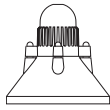
<p>Photocell Cat. No. (See right) <input type="checkbox"/> No Option</p>	<p>Factory installed fully gasketed sensor.</p> <table border="0"> <tr> <td>Cat. No.</td> <td>Line Volts</td> <td>Cat. No.</td> <td>Line Volts</td> </tr> <tr> <td><input type="checkbox"/> A-30</td> <td>120V</td> <td><input type="checkbox"/> A-33</td> <td>277V</td> </tr> <tr> <td><input type="checkbox"/> A-31</td> <td>208V</td> <td><input type="checkbox"/> A-34</td> <td>480V</td> </tr> <tr> <td><input type="checkbox"/> A-32</td> <td>240V</td> <td><input type="checkbox"/> A-35</td> <td>347V</td> </tr> </table>	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	 <p>Photocell Control</p>
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<p>Dimming Controls</p>	<p>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.</p>																	
<p>Convex Glass Lens Cat. No. <input type="checkbox"/> CGL <input type="checkbox"/> No Option</p>	<p>Convex Glass Lens: The $\frac{3}{16}$" 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.</p>	 <p>Convex Lens</p>																
<p>Polycarbonate Lens Cat. No. <input type="checkbox"/> LS <input type="checkbox"/> No Option</p>	<p>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.</p>	 <p>Polycarbonate 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> <table border="0"> <tr> <td>Line Volts:</td> <td>120V</td> <td>208V</td> <td>240V</td> <td>277V</td> <td>347V</td> <td>480V</td> </tr> <tr> <td>Cat. No.:</td> <td><input type="checkbox"/> SF</td> <td><input type="checkbox"/> DF</td> <td><input type="checkbox"/> DF</td> <td><input type="checkbox"/> SF</td> <td><input type="checkbox"/> SF</td> <td><input type="checkbox"/> DF</td> </tr> </table>		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		
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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>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 4.</p>																	



Type:

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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.
1A	<input type="checkbox"/> HA01L	<input type="checkbox"/> HA01L-TM1	—	<input type="checkbox"/> HA02L	<input type="checkbox"/> HA02L-TM1	<input type="checkbox"/> HA02S-W	<input type="checkbox"/> HA03L	<input type="checkbox"/> HA03L-TM1	—
2B	—	—	—	—	<input type="checkbox"/> HA02L-TM2	—	—	<input type="checkbox"/> HA03L-TM2	—
3Y	—	—	—	—	<input type="checkbox"/> HA02L-TM3	—	—	<input type="checkbox"/> HA03L-TM3	—
4C	—	—	—	—	<input type="checkbox"/> HA02L-TM4	—	—	<input type="checkbox"/> HA03L-TM4	—

Mtg.	Side Pole Swept Cast Arm			Side Pole S-Shaped Up Cast Arm		
	Arm	Tenon Mt.	Wall Mt.	Arm	Tenon Mt.	Wall Mt.
1A	<input type="checkbox"/> HA11L	<input type="checkbox"/> HA11L-TM1	<input type="checkbox"/> HA11L-W	<input type="checkbox"/> HA12L	<input type="checkbox"/> HA12L-TM1	<input type="checkbox"/> HA12L-W
2B	—	<input type="checkbox"/> HA11L-TM2	—	—	<input type="checkbox"/> HA12L-TM2	—
3Y	—	<input type="checkbox"/> HA11L-TM3	—	—	<input type="checkbox"/> HA12L-TM3	—
4C	—	<input type="checkbox"/> HA11L-TM4	—	—	<input type="checkbox"/> HA12L-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.
1A	<input type="checkbox"/> HA14L	<input type="checkbox"/> HA14L-TM1	<input type="checkbox"/> HA14L-W	<input type="checkbox"/> HA31L	<input type="checkbox"/> HA31L-TM1	<input type="checkbox"/> HA31L-W	<input type="checkbox"/> HA33L	<input type="checkbox"/> HA33L-TM1	<input type="checkbox"/> HA33L-W
2B	—	<input type="checkbox"/> HA14L-TM2	—	—	<input type="checkbox"/> HA31L-TM2	—	—	<input type="checkbox"/> HA33L-TM2	—
3Y	—	<input type="checkbox"/> HA14L-TM3	—	—	<input type="checkbox"/> HA31L-TM3	—	—	<input type="checkbox"/> HA33L-TM3	—
4C	—	<input type="checkbox"/> HA14L-TM4	—	—	<input type="checkbox"/> HA31L-TM4	—	—	<input type="checkbox"/> HA33L-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.
1A	<input type="checkbox"/> HA35L	<input type="checkbox"/> HA35L-TM	<input type="checkbox"/> HA35L-W	<input type="checkbox"/> HA37L	<input type="checkbox"/> HA37L-TM	<input type="checkbox"/> HA37L-W	<input type="checkbox"/> HA38L	<input type="checkbox"/> HA38L-TM	<input type="checkbox"/> HA38L-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.
¹Not available on arm where indicated.



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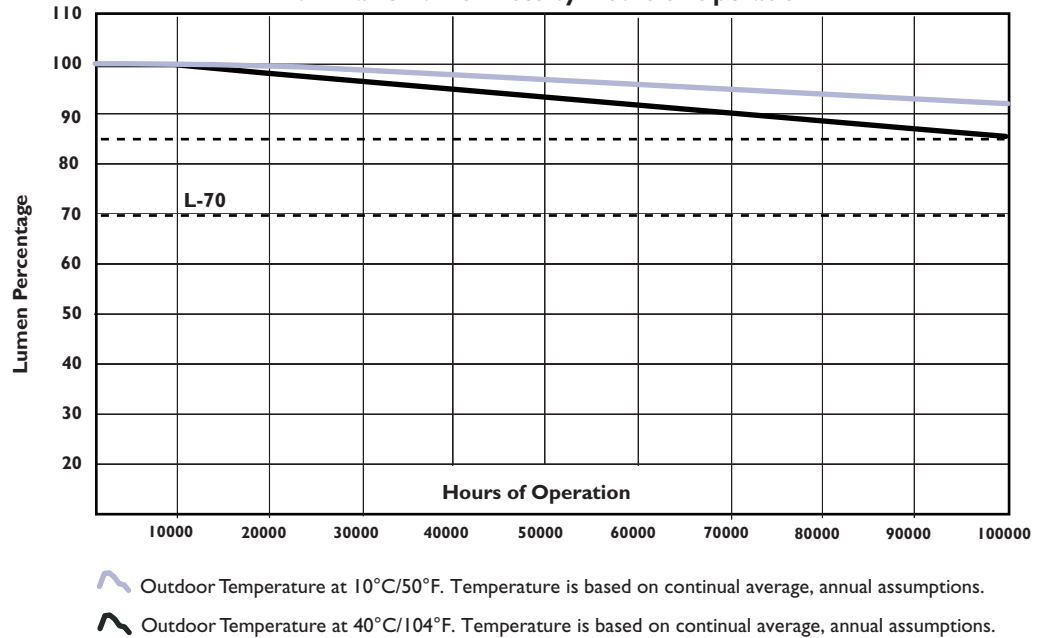


Lumen Performance Charts

NOTES:

- Lumen loss stabilization is a result of Kim Lighting's MicroEmitter™ luminaires exclusive LifeShield™ temperature control device and Dual Heat Management.
- 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.
- 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.
- 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.
- Outdoor ambient temperatures are assumed SITU average by geographic region.
- 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



Luminaire Output at Outdoor Ambient Temperatures

