



KIM LIGHTING

Solitaire™ **SRS1**
Clear Acrylic Lens / Die-Cast Aluminum Top, LED

10/12/11 • kl_srs1led_spec.pdf

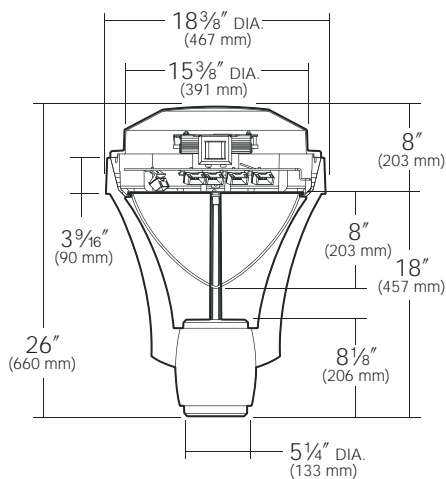
Type:
Job:
Catalog number:

Approvals:

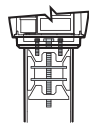
/	/	/	/
Mtg.	Fixture	Electrical Module	Finish
See page 2		See page 3	
Options See pages 4 - 6			

Date:
Page: 1 of 6

Specifications

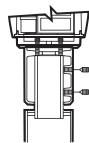


FM



4" O.D. extruded aluminum pole

PT



Pole with 2" pipe-size tenon (2 3/8" O.D. x 4 1/2" min. length)



Solitaire shown on HA32S arm. See p. 5 for other support arm options.

Top: Lamp and reflector are accessible by loosening four stainless steel captive screws. Die-Cast, low copper (<0.6% Cu) aluminum alloy.

Lens: Clear high-temperature acrylic.

Reflector Ring: Die-cast, low copper (<0.6% Cu) aluminum alloy sealed with one-piece silicone gaskets.

Arms: Die-cast, low copper (<0.6% Cu) aluminum alloy with sealed wireway channels.

Mounting Chamber: Cast, low copper (<0.6% Cu) aluminum alloy with removable cover for access to mounting hardware for head and removal. Sealed with one-piece silicone gaskets. Mounted by one of the following pole attachment means:

FM - Flush Mounting by means of an expansion device activated by a single bolt within the splice compartment. Pole must have a plain-cut top. Standard pole size is 4" O.D. (Other pole adapter sizes available; contact Kim representative.)

PT - Pole Tenon mounting by means of a cast aluminum adapter containing four recessed 3/8" stainless steel allen head set screws. Pole must have a 2" pipe-size tenon (2 3/8" O.D. x 4 1/2" minimum length). Pole tenon must be field drilled at one set screw location to secure against fixture rotation.

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 temperature and has a 0-10V dimming interface on the LifeShield device 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 housing as a one-piece module.

Finish: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a Titanated Zirconium conversion coating; 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.

Warranty: Kim Lighting warrants SolitaireLED products 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. This warranty applies only to the use of the Product(s) as intended by Kim Lighting and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. In no event shall Kim Lighting's total liability for any reason arising hereunder exceed the purchase price paid to Kim Lighting for the product purchased by the buyer hereunder. Contact Kim Lighting for complete warranty language, exceptions, and limitations.

CAUTION: Fixtures must be grounded in accordance with national, state, and/or local codes. Failure to do so may result in serious personal injury.

Listings and Ratings

ETL listed to UL 1598 standards¹

IP66 Rated

¹Suitable for wet locations.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.











U.S. Patent D444,584

Type:

Job:



Standard Features

<p>Mounting</p>	<div style="text-align: center;">  </div> <p>Cat. No.: <input type="checkbox"/> FM <input type="checkbox"/> PT <input type="checkbox"/> 1SA <input type="checkbox"/> 2SB <input type="checkbox"/> 3SY <input type="checkbox"/> 4SC <input type="checkbox"/> 1W</p> <p>NOTE: FM Flush Mount for direct mounting to top of pole. 4" O.D. poles only. PT Pipe Tenon Mount for poles with 2" pipe (2C" x 4" length). 1SA, 2SB, 3SY and 4SC mounting arms are part of the Pole Assembly or Slipfitter Mount. See p. 5 for styles. 1W Wall Mount arm not included and must be ordered separately. Refer to Kim Lighting's Arms & Poles Selection Guide for EPA information and additional information on arm, tenon and wall mounting.</p>
<p>Fixture Cat. No. designates fixture and optic</p>	<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>SRS1 x</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Housing Size: SRS1</p> </div> </div> <div> <p>Distribution:</p> <ul style="list-style-type: none"> <input type="checkbox"/> H1 = Type I <input type="checkbox"/> H2 = Type II <input type="checkbox"/> H3 = Type III <input type="checkbox"/> H4 = Type IV <input type="checkbox"/> H5 = Type V <input type="checkbox"/> HR = Type R Right <input type="checkbox"/> HL = Type L Left </div> </div> <div style="margin-top: 20px;"> <p>Light Distribution:</p> <div style="display: grid; grid-template-columns: repeat(4, 1fr); gap: 10px;"> <div style="text-align: center;"> Type I</div> <div style="text-align: center;"> Type II</div> <div style="text-align: center;"> Type III</div> <div style="text-align: center;"> Type IV Forward Throw</div> <div style="text-align: center;"> Type V Square</div> <div style="text-align: center;"> Type R Right</div> <div style="text-align: center;"> Type L Left</div> </div> </div>

Type:

Job:

Page: 3 of 6



Standard Features

Electrical Module

Cat. Nos. for Electrical Modules available:

60L	xK	x
Source: 60L = 60 LED's		Voltage:
Color Temperature:¹		<input type="checkbox"/> 120 = 120V
<input type="checkbox"/> 3K = 3500K		<input type="checkbox"/> 208 = 208V
<input type="checkbox"/> 5K = 5100K		<input type="checkbox"/> 240 = 240V
<input type="checkbox"/> 2K = 580nm - Amber		<input type="checkbox"/> 277 = 277V
		<input type="checkbox"/> 347 = 347V ²
		<input type="checkbox"/> 480 = 480V ²

¹4300K and 6500K are also available on an "Engineered-to-Order" (ETO) basis.

²Due to current unavailability of 347V and 480V drivers, specification of these voltages may feature an integral step-down transformer.

Fixture	Total System Watts	Volt	Operating Amps
SRS1 LED	73	120	0.61
SRS1 LED	73	208	0.35
SRS1 LED	73	240	0.30
SRS1 LED	73	277	0.26
SRS1 LED	73	347	0.21
SRS1 LED	73	480	0.15

Finish

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

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: _____




Type:

Job:

Page: 4 of 6



Optional Features

<p>Photocell Control Cat. No. (See right) <input type="checkbox"/> No Option</p>	<p>Factory installed photocell inside housing with a fully gasketed sensor on the side wall. For twin arm mount, each fixture has a photocell.</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-35</td> <td>347V</td> </tr> <tr> <td><input type="checkbox"/> A-32</td> <td>240V</td> <td><input type="checkbox"/> A-34</td> <td>480V</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-35	347V	<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-34	480V	 <p>Photocell Control</p>
Cat. No.	Line Volts:	Cat. No.	Line Volts:															
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<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-34	480V															
<p>White Acrylic Lens Cat. No. <input type="checkbox"/> WA <input type="checkbox"/> No Option</p>	<p>White high-temperature acrylic.</p>	 <p>White Acrylic Lens</p>																
<p>Polycarbonate Lens Cat. No. <input type="checkbox"/> CP <input type="checkbox"/> WP <input type="checkbox"/> No Option</p>	<p>CP Clear, injection molded, UV stabilized polycarbonate. WP White, injection molded, UV stabilized polycarbonate. Replaces standard bottom acrylic lens.</p> <p>CAUTION: Use only when vandalism is anticipated to be high. Useful life of lens is limited by UV discoloration from sunlight.</p>	 <p>Clear Polycarbonate Lens</p>																
<p>Dimming Controls</p>	<p>The Solitaire LED driver features a 0-10V dimming interface on the LifeShield® device, allowing 0-100% illumination output when synchronized with a control and dimming system, provided by others. Kim Lighting will advise availability of complete control packages, once they have been tested and exceed Kim's high quality standards.</p>																	
<p>Fusing Cat. No. (See right) <input type="checkbox"/> No Option</p>	<p>High temperature fuse holders factory installed inside ballast chamber. 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		
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>Poles</p>	<p>See Kim Lighting's Arms and Poles Selection Guide.</p>																	

Type:

Job:



Optional Features

Arms

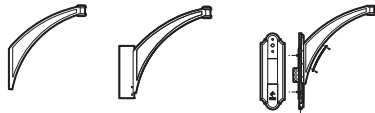
Note: Refer to Kim Lighting's Arms and Poles Specification Guide for EPA information and additional information on arm, tenon and wall mounting. **1W** Wall Mount arm is **not** included and must be ordered separately.

Mounting Orientation

1SA
 2SB
 3SY
 4SC

Side Mount Swept Cast Arm

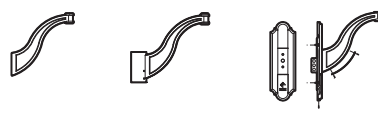
ARM Tenon Mount Wall Mt



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

Side Pole S-Shaped Up Cast Arm

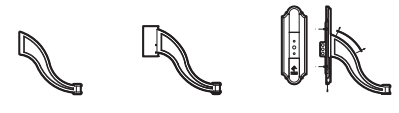
ARM Tenon Mount Wall Mt



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

Side Pole S-Shaped Down Cast Arm

ARM Tenon Mount Wall Mt



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

Side Pole Ribbon Arm w/ Bottom Scroll

ARM Tenon Mount Wall Mt



HA32S HA32S-TM1 HA32S-W
 HA32S-TM2
 HA32S-TM3
 HA32S-TM4

Side Pole Ribbon Arm w/ Bottom Gusset

ARM Tenon Mount Wall Mt



HA34S HA34S-TM1 HA34S-W
 HA34S-TM2
 HA34S-TM3
 HA34S-TM4

Side Pole Ribbon Arm w/ Bottom Brace

ARM Tenon Mount Wall Mt



HA36S HA36S-TM HA36S-W
 Consult Consult
 Factory Factory

Type:

Job:

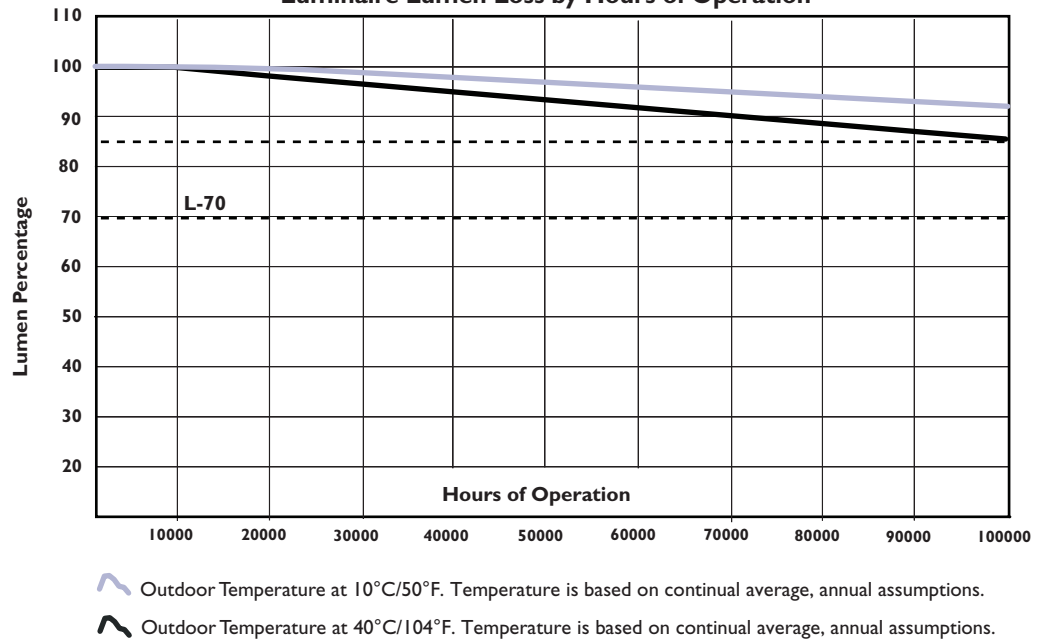


Lumen Performance Charts

NOTES:

1. Lumen loss stabilization is a result of Kim Lighting's MicroEmitter™ luminaires exclusive LifeShield® Protection System and Dual Heat Management.
2. The LifeShield Protection System 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



Luminaire Output at Outdoor Ambient Temperatures

