

JOB _____ TYPE _____
 NOTES _____ APPROVALS _____

FEATURES

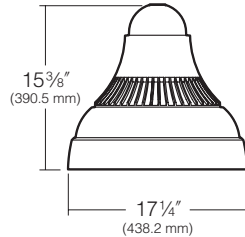
- PicoEmitter® technology¹
- Family of six sizes
- Available in 580nm 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 5 standard distributions
- 0-10V dimming drivers standard
- IP66 certified

CERTIFICATIONS



3000K and warmer CCTs only

SPECIFICATIONS



Approx. Weight = 32 lbs. EPA 0.6 for 1A.
 See Configuration for Additional EPAs.

ORDERING CODE

Configuration	EPA	Fixture	Drive Current	Source	Color Temperature²	Voltages	Fixture Finish	Photocell Options
1A	0.6	1 Type I	350mA	60L 60 LEDs	AM³ 295nm	UV 120-277V	BLS Black Gloss Smooth	A30 120V Button Photocell
2B	1.2	2 Type II	E35 PicoEmitter		3K 3000K	120 120V	BLT Black Matte Textured	A31 208V Button Photocell
3Y*	1.8	3 Type III			4K 4000K	208 208V	DBS Dark Bronze Gloss Smooth	A32 240V Button Photocell
4C	2.1	4 Type IV			5K 5000K	240 240V	DBT Dark Bronze Matte Textured	A33 277V Button Photocell
1W	n/a	5 Type V				277 277V	GTT Graphite Matte Textured	A34 480V Button Photocell
		R Type R, Right				347⁴ 347V	LGS Light Grey Gloss Smooth	A35 347V Button Photocell
		L Type L, Left				480⁴ 480V	LGT Light Grey Matte Textured	
							PSS Platinum Silver Gloss Smooth	
							VGT Verde Green Matte Textured	
							WHS White Gloss Smooth	
							WHT White Matte Textured	
							CC * Custom Color	

*Available round poles only. EPA is for Fixture only

*Consult Representative

Fuse Options	Lens Options	NFO Option	Controls	Arm Type ⁷																																																
SF 120, 277, 347 Line Volts DF 208, 240, 480 Line Volts	LS ⁵,⁶ Polycarbonate Lens	NFO Neighbor Friendly Optic* *Photometry available for Type III/IV. All others, consult factory.	Wireless WIR-RMI-IO 120-480V, 1000' range, wiSCAPE RF control system with on/off/dim, alerts, monitoring and metering capabilities	<table border="1"> <thead> <tr> <th>Pole Arm</th> <th>Pole Tenon Mount</th> <th>Wall Mount</th> <th>Style</th> </tr> </thead> <tbody> <tr> <td>HA01S</td> <td>HA01S-TM1</td> <td></td> <td>Post Top Crook</td> </tr> <tr> <td>HA02S</td> <td>HA02S-TM1, HA02S-TM2, HA02S-TM3, HA02S-TM4</td> <td>HA02S-W</td> <td>Side Pole Crook</td> </tr> <tr> <td>HA03S</td> <td>HA03S-TM1, HA03S-TM2, HA03S-TM3, HA03S-TM4</td> <td></td> <td>Post Top Swept Cast Arm</td> </tr> <tr> <td>HA11S</td> <td>HA11S-TM1, HA11S-TM2, HA11S-TM3, HA11S-TM4</td> <td>HA11S-W</td> <td>Side Pole Swept Cast Arm</td> </tr> <tr> <td>HA12S</td> <td>HA12S-TM1, HA12S-TM2, HA12S-TM3, HA12S-TM4</td> <td>HA12S-W</td> <td>Side Pole S-Shaped Up Cast Arm</td> </tr> <tr> <td>HA14S</td> <td>HA14S-TM1, HA14S-TM2, HA14S-TM3, HA14S-TM4</td> <td>HA14S-W</td> <td>Side Pole Neo-Classic Arm</td> </tr> <tr> <td>HA31S</td> <td>HA31S-TM1, HA31S-TM2, HA31S-TM3, HA31S-TM4</td> <td>HA31S-W</td> <td>Side Pole Arm w/Top Scroll</td> </tr> <tr> <td>HA33S</td> <td>HA33S-TM1, HA33S-TM2, HA33S-TM3, HA33S-TM4</td> <td>HA33S-W</td> <td>Side Pole Ribbon Arm w/Top Gusset</td> </tr> <tr> <td>HA35S</td> <td>HA35S-TM1</td> <td>HA35S-W</td> <td>Side Pole Ribbon Arm w/Top Brace</td> </tr> <tr> <td>HA37S</td> <td>HA37S-TM1</td> <td>HA37S-W</td> <td>Side Pole Ribbon w/Top Brace, Bottom Scroll</td> </tr> <tr> <td>HA38S</td> <td>HA38S-TM1</td> <td>HA38S-W</td> <td>Side Pole Ribbon w/Top Brace, Bottom Gusset</td> </tr> </tbody> </table>	Pole Arm	Pole Tenon Mount	Wall Mount	Style	HA01S	HA01S-TM1		Post Top Crook	HA02S	HA02S-TM1, HA02S-TM2, HA02S-TM3, HA02S-TM4	HA02S-W	Side Pole Crook	HA03S	HA03S-TM1, HA03S-TM2, HA03S-TM3, HA03S-TM4		Post Top Swept Cast Arm	HA11S	HA11S-TM1, HA11S-TM2, HA11S-TM3, HA11S-TM4	HA11S-W	Side Pole Swept Cast Arm	HA12S	HA12S-TM1, HA12S-TM2, HA12S-TM3, HA12S-TM4	HA12S-W	Side Pole S-Shaped Up Cast Arm	HA14S	HA14S-TM1, HA14S-TM2, HA14S-TM3, HA14S-TM4	HA14S-W	Side Pole Neo-Classic Arm	HA31S	HA31S-TM1, HA31S-TM2, HA31S-TM3, HA31S-TM4	HA31S-W	Side Pole Arm w/Top Scroll	HA33S	HA33S-TM1, HA33S-TM2, HA33S-TM3, HA33S-TM4	HA33S-W	Side Pole Ribbon Arm w/Top Gusset	HA35S	HA35S-TM1	HA35S-W	Side Pole Ribbon Arm w/Top Brace	HA37S	HA37S-TM1	HA37S-W	Side Pole Ribbon w/Top Brace, Bottom Scroll	HA38S	HA38S-TM1	HA38S-W	Side Pole Ribbon w/Top Brace, Bottom Gusset
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			Motion SCH-R Round Pole Mounted Occupancy Sensor up to 30' SCH-S Square Pole Mounted Occupancy Sensor up to 30'																																																	
Mounting Options																																																				
VSF Vertical Slipfitter Mount for 2" pipe tenon, (2-3/8" O.D.)	3" O.D. Pole 5" O.D. Pole	5" O.D. Pole																																																		
SVSF Vertical Slipfitter Mount square for 2" pipe tenon, (2-3/8" O.D.)	3.5" O.D. Pole 4" O.D. Pole	6" O.D. Pole Square Pole																																																		

For Pole Spec Select: http://www.kimlighting.com/products/arms_and_poles/
 For Control Spec Select: <http://trpssl.com/index.html>

¹ US Patent No. D674,965 S. Other patents pending.
 ² For custom optics and color temperature configurations, contact factory.
 ³ Turtle friendly.
 ⁴ 347V & 480V currents may be supplied with step-down transformer.
 ⁵ 350mA only.
 ⁶ Use only when vandalism is anticipated to be high. Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.
 ⁷ Era does not come standard with an arm and the arm is not included in the fixture price. One must be chosen to mount the Era fixture

Kim Lighting reserves the right to change specifications without notice.

Arm Options

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. Era does not come standard with an arm and the arm is not included in the fixture price. One must be chosen to mount the Era fixture

Post Top Crook¹

ARM Tenon Mount Wall Mt



HA01S



HA01S-TM1

Wall Mt

Mounting: 1SA

Side Pole Crook¹

ARM Tenon Mount Wall Mt



HA02S



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

Wall Mt

Mounting: 1SA 2SB 3SY 4SC

Post Top Swept Cast Arm¹

ARM Tenon Mount Wall Mt



HA03S



HA03S-TM1
HA03S-TM1
HA03S-TM1
HA03S-TM1

Wall Mt

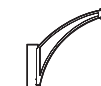
Mounting: 1SA 2SB 3SY 4SC

Side Pole Swept Cast Arm

ARM Tenon Mount Wall Mt



HA11S



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



HA11S-W

Mounting: 1SA 2SB 3SY 4SC

Side Pole S-Shaped Up Cast Arm

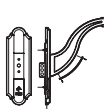
ARM Tenon Mount Wall Mt



HA12S



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



HA12S-W

Mounting: 1SA 2SB 3SY 4SC

Side Pole Neo-Classic Arm¹

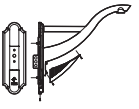
ARM Tenon Mount Wall Mt



HA14S



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



HA14S-W

Mounting: 1SA 2SB 3SY 4SC

Side Pole Arm w/Top Scroll

ARM Tenon Mount Wall Mt



HA31S



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



HA31S-W

Mounting: 1SA 2B 3Y 4C

Side Pole Ribbon Arm w/Top Gusset

ARM Tenon Mount Wall Mt



HA33S



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



HA33S-W

Mounting: 1SA 2SB 3SY 4SC

Side Pole Ribbon Arm w/Top Brace

ARM Tenon Mount Wall Mt



HA35S

*Consult Factory
for other mtgs.*

*Consult Factory
for other mtgs.*

HA35S-TM1

HA35S-W

Mounting: 1SA 2SB 3SY 4SC

Side Pole Ribbon Arm w/Top Brace & Bottom Scroll

ARM Tenon Mount Wall Mt



HA37S

*Consult Factory
for other mtgs.*

HA37S-TM1

*Consult Factory
for other mtgs.*

HA37S-W

Mounting: 1SA 2SB 3SY 4SC

Side Pole Ribbon Arm w/Top Brace & Bottom Gusset

ARM Tenon Mount Wall Mt



HA38S

*Consult Factory
for other mtgs.*

HA38S-TM1

*Consult Factory
for other mtgs.*

HA38S-W

Mounting: 1SA 2SB 3SY 4SC

Arm Finial

HAF02



Traditional style finial available to close off mounting hub opposite fixture.

¹Not available on arm where indicated.

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Lumen Data

Spectroradiometric			
	3000K Average	4000K Average	5000K Average
Color Rendering Index (CRI)	≥75	≥70	≥65
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance*		
mA	50,000 hrs	100,000 hrs
350	95.89%	92.98%

Electrical Drive Current @ 350mA		
Volts - AC	Amps - AC	System Watts
120	0.56	67
208	0.32	67
240	0.28	67
277	0.24	67
347	0.19	67
480	0.14	67

B.U.G. Rating (TM15) in Lumens wher B = Backlight, U = Uplight, G = Glare								
Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R
3000K	B2 U0 G2	B1 U0 G1	B1 U0 G1	B1 U0 G1	B1 U0 G1	B0 U0 G1	B2 U0 G1	TBD
4000K	B3 U0 G3	B2 U0 G2	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G1	B3 U0 G1	TBD
5000K	B3 U0 G3	B2 U0 G2	B1 U0 G1	B1 U0 G1	B1 U0 G2	B1 U0 G1	B3 U0 G1	TBD

Absolute Lumens								
Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R
3000K	3988	4090	4060	3354	4041	3403	4101	TBD
4000K	4744	4865	4830	3990	4868	4048	4879	TBD
5000K	5316	5451	5412	4471	5461	4536	5467	TBD

LED performance and lumen output continues to improve at a rapid pace. Log onto www.kimlighting.com to download the most current photometric files from Kim Lighting's IES File Library. For custom optics and color temperature configurations, contact factory.

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SPECIFICATIONS

Housing:

- One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral cooling ribs over the optical chamber and electrical compartment.
- Solid barrier wall separates optical and electrical compartments.
- Double-thick wall with gussets on the support-arm mounting end.
- Housing forms a half cylinder with 55° front face plane providing a recess to allow a flush single-latch detail.
- All hardware is stainless steel or electro-zinc plated steel.

Lens Frame:

- One-piece die-cast, low copper (<0.6% Cu) aluminum alloy lens frame with 1" minimum depth around the gasket flange.
- Integral hinges with stainless steel pins provide no-tool mounting and removal from housing.
- Single die-cast aluminum cam-latch provides positive locking and sealing of the optical chamber by a one-piece extruded and vulcanized silicone gasket to provide an IP66 rating for the optical module.
- Clear 3/8" thick tempered glass lens retained by eight steel clips with full silicone gasketing around the perimeter.

Optical Module:

- Precision, replaceable PicoEmitters are positioned to achieve directional control toward desired task.
- The entire EmitterDeck fastens to the housing as a one-piece module.
- Type I, II, III, IV, V, L (left), and R (right) standard distributions. Custom available.
- 3000K, 4000K, 5000K standard CCT. Amber and custom available.
- IP66 certified
- Die-cast, low copper aluminum heat sink modules provide thermal transfer at PCB level.
- Anodized aluminum carrier plate and heat sink modules.

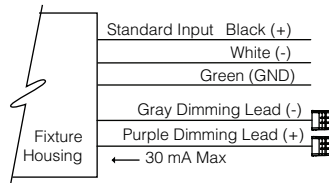
Electrical Characteristics:

- 120V through 480V @ 50/60Hz.
- Class 1, 350mA.
- Power Factor = >.90

- National Electrical Code, ANSI/NFPA 70.
- 10kV surge suppression.
- Thermalshield thermal control.
- -40c starting driver.
- 0-10V dimming interface.
- All electronic components are IP66 rated.
- Electronic components are UL and/or CSA recognized.

Dimming:

- 10% to 100% dimming by the use of standard 0-10V interface driver.
- To activate the dimming system, a wiring harness is supplied and attached to the DIM Port (DIM IN) on the thermal shield protection system. This port allows the 0-10V Interface to bypass the thermal shield and control the driver.
- The thermal shield works in conjunction with the control system to assure that overheating will not harm the LEDs.
- The wiring harness is connected with the use of the Purple lead as the positive (+) and the Gray lead as the negative (-) to an available control signal (by others).



Support Arm:

- 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 for specified round pole.
- Optional cast, low copper aluminum horizontal slip-fitter with adaptor plate to secure the luminaire to 2" IPS pipe size arms.
- Optional cast aluminum wall mount plate assembly. Attaches to the wall over the junction box. Luminaire attaches to the wall plate.

Finish:

- Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.

- Standard colors include (BLS) Black Gloss Smooth, (BLT) Black Matte Textured, (DBS) Dark Bronze Gloss Smooth, (DBT) Dark Bronze Matte Textured, (GTT) Graphite Matte Textured, (LGS) Light Gray Gloss Smooth, (LGt) Light Gray Matte Textured, (PS) Platinum Silver, (VGS) Verde Green Matte Textured, (WHS) White Gloss Smooth, (WHT) White Matte Textured, and (CC) Custom Color (Include RAL#).

Fusing:

SF for 120, 277 and 347 Line Volts

DF for 208, 240 and 480 Line Volts.

- High temperature fuse holders factory installed inside the fixture housing. Fuse is included.

Certifications and Listings:

- UL 1598 Standard for wet locations for Luminaires.
- UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products.
- IP66 certified.
- CSA C22.2#250.0 Luminaires.
- ANSI C136.31-2010 3G Vibration tested and compliant.
- IDA compliant, 3000k and warmer CCTs only.
- RoHS compliant.
- Meets Buy American provisions within ARRA.

CAUTION:

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

WARRANTY:

- For full warranty see <http://www.hubbellighting.com/resources/warranty>

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CONTROLS

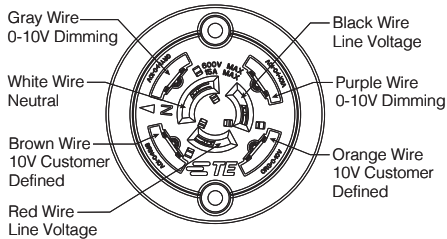
Photocell Receptacle

A25-7

Fully gasketed and wired 7-pin receptacle option. Easy access location above the electrical compartment. 7-pin construction allows for a user-defined interface and provides a controlled definition of operational performance. ANSI twist-lock control module by-others.

Standard customer operation modes:

1. Traditional on/off photoelectric control.
2. 5-pin wireless photoelectric control for added dimming feature.
3. 7-pin wireless photoelectric control for dimming and additional I/O connections for customer use.



Button Photocell

A30 for 120V, **A31** for 208V, **A32** for 240V, **A33** for 277V, **A35** for 347V, **A34** for 480V,

Photocell is factory installed inside the 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.

Wireless Control

Hubbell Building Automation's wiSCAPE™ In-Fixture Module is a bi-directional wireless RF device that allows an individual fixture to be managed, monitored and metered. The wiSCAPE In-Fixture Module communicates wirelessly over a robust 2.4GHz ISM (Industrial, Scientific and Medical) certified meshed radio signal. The wiSCAPE Fixture Module drastically simplifies control and automation of projects, especially in retrofit environments, and challenges the legacy world of wired-systems. wiSCAPE wireless control technology easily adapts to complex automation situations for quick, simple and economical commissioning. The On-Fixture Module is compatible with A-25-7H option.

WIR-RMI-IO

120 - 347V 1000 Foot Range WiScape RF mesh control system with off/on/dim, motion, photo, GPS location, alert, monitoring and metering capabilities.

Pole Mounted

Round Pole-Mounted Occupancy Sensor up to 30'

SCH-R

Round Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-R¹/277²/BL³

Square Pole-Mounted Occupancy Sensor up to 30'

SCH-S

Square Pole-Mounted Occupancy Sensor: up to 30' - an outdoor occupancy sensor with 0-10V interface dimming control that mounts directly to the pole. Wide 360° pattern. Module colors are available in Black, Gray, and White. Module is cut for round pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCH-S/277²/BL³

SCP

The SCP is a photo-control with motion sensing accessory that mounts to the side of any new or existing 3"-5" round or square straight pole. The SCP enables any pole mounted luminaire in excess of 75 watts, to meet California Title 24 requirements with integral 20KV/10KA surge protection for added reliability and serviceability.

For more detail:

http://www.aal.net/products/sensor_control_programmable

¹Pole Diameter, ²Voltage, ³Color