KIM LIGHTING®
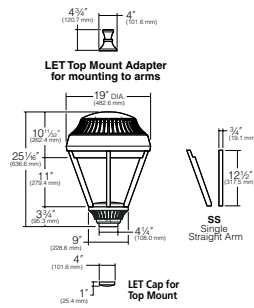
JOB	TYPE
NOTES	APPROVALS

FEATURES

- Full Cutoff PicoEmitter technology
- Available in 580nm, 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 5, R & L distributions
- 0-10V dimming drivers standard
- Sealed optical chamber, IP66 certified

CERTIFICATIONS

c UL us LISTED

ida DARK SKY APPROVED 2016

3000K and warmer CCTs only

SPECIFICATIONS

Approx. Weight = 54 lbs. EPA 0.7 for 1SA.
See Configuration for Additional EPAs.

LET Top Mount Adapter for mounting to arms

19" DIA (482.6 mm)
10¹¹⁄₁₆" (262.4 mm)
25⁷⁄₁₆" (636.6 mm)
11" (279.4 mm)
3³⁄₄" (95.2 mm)
9" (228.6 mm)
4" (101.6 mm)
4¹⁄₄" (108.0 mm)
4³⁄₄" (120.7 mm)
4" (101.6 mm)
³⁄₄" (19.1 mm)
12½" (317.5 mm)

SS Single Straight Arm

LET Cap for Top Mount
1" (25.4 mm)

ORDERING CODE

| | LET19SS | | E35 | 60L | | | | |

Configuration

	Configuration	EPA
•	**1SA** 1 Arm Side Mt.	0.7
•—•	**2SB** 2 Arm Side Mt.	1.4
∴	**3SY** 3 Arm Side Mt.	2.1
⁛	**4SC** 4 Arm Side Mt.	2.4
•	**1W** Single Wall Mt.	n/a

NOTE: EPA is for Fixture only

Fixture

LET19SS
Lantern, Era Top Mnt. 19" Single Straight Arm

Distribution
1 Type I
2 Type II
3 Type III
4 Type IV
5 Type V
R Type R Right
L Type L Left

Drive Current
E35 350mA PicoEmitter

Electrical Module

Source
60L 60 LEDs, 67W

Color Temperature[1]	Voltages
2K 580nm[2]	**UV** 120-277V
3K 3000K	**120** 120V
4K 4000K	**208** 208V
5K 5000K	**240** 240V
	277 277V
	347[3] 347V
	480[3] 480V

Fixture Finish

BLS	Black Gloss Smooth
BLT	Black Matte Textured
DBS	Dark Bronze Gloss Smooth
DBT	Dark Bronze Matte Textured
GTT	Graphite Matte Textured
LGS	Light Grey Gloss Smooth
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

*Consult Representative

Photocell Options

A25-7	7-pin Photocell Receptacle
A30	120V Button Photocell
A31	208V Button Photocell
A32	240V Button Photocell
A33	277V Button Photocell
A34	480V Button Photocell
A35	347V Button Photocell

Fuse Options

SF	120, 277, 347 Line Volts
DF	208, 240, 480 Line Volts

NFO Option

NFO Neighbor Friendly Optic. Photometry available for Type III/IV. All others, consult factory.

Accent Option

LEAF Lezaflets, top and bottom of arm

Control Options

Wireless
WIR-RMI-IO 120-480V, 1000' range, | wiSCAPE RF control system with on/off/dim, alerts, monitoring and metering capabilities

Motion
SCH-R Round Pole Mounted Occupancy Sensor up to 30'
SCH-S Square Pole Mounted Occupancy Sensor up to 30'

Arm Options

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
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
Arm Final	**Finial**		
HAF02	TF		

Mounting Options

HA Arm

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

[1] For custom optics and color temperature configurations, contact factory.
[2] Turtle friendly. Maximum 500mA drive current for 2K amber option.
[3] 347V & 480V currents may be supplied with step-down transformer.
[4] Use only when vandalism is anticipated to be high. Required only for vandal protection in locations where fixtures can be reached by unauthorized persons.

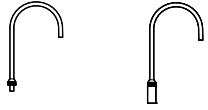*Kim Lighting reserves the right to change specifications without notice.*

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.

Post Top Crook¹

ARM	Tenon Mount
HA01S	HA01S-TM1

Mounting: 1SA   2SB   3SY   4SC

Side Pole Crook¹

ARM	Tenon Mount	Wall Mt
HA02S	HA02S-TM1	HA02S-W
	HA02S-TM2	
	HA02S-TM3	
	HA02S-TM4	

Mounting: 1SA   2SB   3SY   4SC

Post Top Swept Cast Arm¹
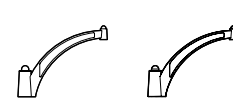
ARM	Tenon Mount
HA03S	HA03S-TM1
	HA03S-TM1
	HA03S-TM1
	HA03S-TM1

Mounting: 1SA   2SB   3SY   4SC

Side Pole Swept Cast Arm

ARM	Tenon Mount	Wall Mt
HA11S	HA11S-TM1	HA11S-W
	HA11S-TM2	
	HA11S-TM3	
	HA11S-TM4	
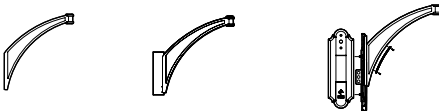
Mounting: 1SA   2SB   3SY   4SC

Side Pole S-Shaped Up Cast Arm

ARM	Tenon Mount	Wall Mt
HA12S	HA12S-TM1	HA12S-W
	HA12S-TM2	
	HA12S-TM3	
	HA12S-TM4	
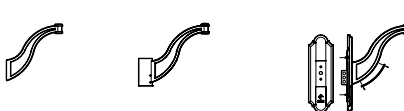
Mounting: 1SA   2SB   3SY   4SC

Side Pole Neo-Classic Arm¹

ARM	Tenon Mount	Wall Mt
HA14S	HA14S-TM1	HA14S-W
	HA14S-TM2	
	HA14S-TM3	
	HA14S-TM4	
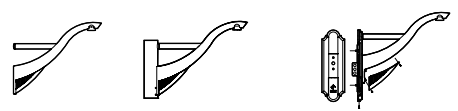
Mounting: 1SA   2SB   3SY   4SC

Side Pole Arm w/Top Scroll

ARM	Tenon Mount	Wall Mt
HA31S	HA31S-TM1	HA31S-W
	HA31S-TM2	
	HA31S-TM3	
	HA31S-TM4	

Mounting: 1SA   2SB   3SY   4SC

Side Pole Ribbon Arm w/Top Gusset

ARM	Tenon Mount	Wall Mt
HA33S	HA33S-TM1	HA33S-W
	HA33S-TM2	
	HA33S-TM3	
	HA33S-TM4	

Mounting: 1SA   2SB   3SY   4SC

Side Pole Ribbon Arm w/Top Brace

ARM	Tenon Mount	Wall Mt
	Consult Factory for other mtgs.	*Consult Factory for other mtgs.*
HA35S	HA03S-TM1	HA03S-W

Mounting: 1SA   2SB   3SY   4SC

Side Pole Ribbon Arm w/Top Brace & Bottom Scroll

ARM	Tenon Mount	Wall Mt
	Consult Factory for other mtgs.	*Consult Factory for other mtgs.*
HA37S	HA37S-TM1	HA37S-W

Mounting: 1SA   2SB   3SY   4SC

Side Pole Ribbon Arm w/Top Brace & Bottom Gusset

ARM	Tenon Mount	Wall Mt
	Consult Factory for other mtgs.	*Consult Factory for other mtgs.*
HA38S	HA38S-TM1	HA38S-W
	HA38S-TM2	
	HA38S-TM3	
	HA38S-TM4	

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.

Finial

TF   Heavy cast aluminum finial on top of lantern housing. For use with Bottom Mount (BM) luminaire only.

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LUMINAIRE PERFORMANCE

Spectroradiometric			
	3000K Average	4000K Average	5000K Average
Color Rendering Index (CRI)	≤80	≤80	≤70
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance		
mA	100,000 hrs	(Calculated L70)
350 mA	93.33%	596,000 hrs.

Electrical Drive Current		
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	TBD	B1 U0 G1	B1 U0 G1	N/A	B1 U0 G1	B0 U0 G1	B2 U0 G1	TBD
4000K	TBD	B2 U0 G2	B1 U0 G1	N/A	B1 U0 G1	B1 U0 G1	B2 U0 G1	TBD
5000K	TBD	B2 U0 G2	B1 U0 G1	N/A	B1 U0 G1	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	TBD	3714	3522	N/A	3507	2951	3685	TBD
4000K	TBD	4822	4573	N/A	4553	3830	4784	TBD
5000K	TBD	5159	4892	N/A	4871	4098	5118	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.
*Data is prorated from 5000K IES files.

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SPECIFICATIONS

Housing:

- 0ne-piece die-cast, low copper (<0.6% Cu) aluminumalloy 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.

Neighbor Friendly Optic

- Integrated Neighbor Friendly Optic on each PicoEmitter module to completely control unwanted backlight. Most effective with Type III and IV distibutions.

Lens:

- One-piece clear tempered glass lens sealed with silicone gasket.

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.

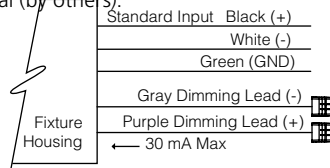- Anodized aluminum carrier plate and heat sink modules.

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 using 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 Grey lead as the negative (-) to an available control signal (by others).

Standard Input Black (+)
White (-)
Green (GND)
Gray Dimming Lead (-)
Purple Dimming Lead (+)
Fixture Housing
← 30 mA Max

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.

- RoHS compliant.

- IDA approved, 3000K and warmer CCTs only.

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. hubbelllighting.com/resources/warranty

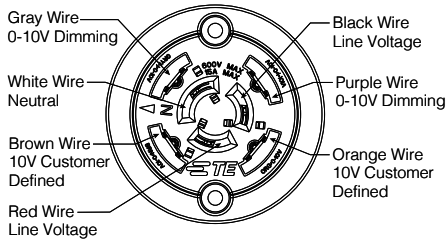*Kim Lighting reserves the right to change specifications without notice.*

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.

Gray Wire 0-10V Dimming
Black Wire Line Voltage
White Wire Neutral
Purple Wire 0-10V Dimming
Brown Wire 10V Customer Defined
Orange Wire 10V Customer Defined
Red Wire Line Voltage

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-R4[1]/277[2]/BL[3]

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/277[2]/BL[3]

SCP

The SCP is a photo-control with motion sensing accessory thats 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

[1]Pole Diameter, [2]Voltage, [3]Color

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