

# BE17

17" ERA® BELL PICOEMITTER LED

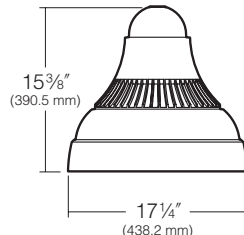
## FEATURES

- 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








## SPECIFICATIONS



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

## ORDERING CODE

Configuration		EPA	Fixture			Electrical Module			Fixture Finish		Photocell Options		
	<b>1A</b>	1 Arm Side Mt.	0.6	<u>Fixture</u>	<u>Distribution</u>	<u>Drive Current</u>	<u>Source</u>	<u>Color Temperature</u> <sup>2</sup>	<u>Voltages</u>	<b>BLS</b>	Black Gloss Smooth	<b>A30</b>	120V Button Photocell
	<b>2B</b>	2 Arm Side Mt.	1.2	<b>BE17</b>	1 Type I	<b>E35</b> 350mA PicoEmitter	<b>60L</b>	60 LEDs	<b>AM</b> <sup>3</sup> 295nm	<b>UV</b>	120-277V	<b>A31</b>	208V Button Photocell
	<b>3Y*</b>	3 Arm Side Mt.	1.8	2 Type II				<b>3K</b>	3000K	<b>120</b>	120V	<b>A32</b>	240V Button Photocell
	<b>4C</b>	4 Arm Side Mt.	2.1	3 Type III				<b>4K</b>	4000K	<b>208</b>	208V	<b>A33</b>	277V Button Photocell
	<b>1W</b>	Single Wall Mt.	n/a	4 Type IV				<b>5K</b>	5000K	<b>240</b>	240V	<b>A34</b>	480V Button Photocell
				5 Type V						<b>277</b>	277V	<b>A35</b>	347V Button Photocell
				<b>R</b>	Type R, Right				<b>347</b> <sup>4</sup>	347V			
				<b>L</b>	Type L, Left				<b>480</b> <sup>4</sup>	480V			
* Available round poles only. EPA is for Fixture only													
Fuse Options		Lens Options		NFO Option		Controls		Arm Type <sup>7</sup>					
<b>SF</b> 120, 277, 347 Line Volts		<b>LS</b> <sup>5,6</sup> Polycarbonate Lens		<b>NFO</b> Neighbor Friendly Optic*		<u>Wireless</u>		<u>Pole Arm</u>	<u>Pole Tenon Mount</u>	<u>Wall Mount</u>	<u>Style</u>		
<b>DF</b> 208, 240, 480 Line Volts						<b>WIR-RMI-IO</b> 120-480V, 1000' range, wiSCAPE RF control system with on/off/dim, alerts, monitoring and metering capabilities		<b>HA11S</b>	<b>HA11S-TM1, HA11S-TM2, HA11S-TM3, HA11S-TM4</b>	<b>HA11S-W</b>	Side Pole Swept Cast Arm		
								<b>HA12S</b>	<b>HA12S-TM1, HA12S-TM2, HA12S-TM3, HA12S-TM4</b>	<b>HA12S-W</b>	Side Pole S-Shaped Up Cast Arm		
								<b>HA14S</b>	<b>HA14S-TM1, HA14S-TM2, HA14S-TM3, HA14S-TM4</b>	<b>HA14S-W</b>	Side Pole Neo-Classic Arm		
*Photometry available for Type III/IV. All others, consult factory.													
Mounting Options													
<b>VSF</b>	Vertical Slipfitter Mount for 2" pipe tenon, (2-3/8" O.D.)		3" O.D. Pole	5" O.D. Pole									
			3.5" O.D. Pole	6" O.D. Pole									
<b>SVSF</b>	Vertical Slipfitter Mount square for 2" pipe tenon, (2-3/8" O.D.)		4" O.D. Pole	Square Pole									
* Consult Representative													

For Pole Spec Select: [http://www.kimlighting.com/products/arms\\_and\\_poles/](http://www.kimlighting.com/products/arms_and_poles/)  
For Control Spec Select: <http://trpssl.com/index.html>



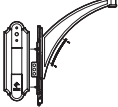


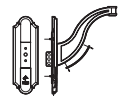


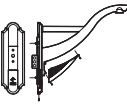
¹ US Patent No. D674,965 S. Other patents pending.  
² For custom optics and color temperature configurations, contact factory.  
³ Turtle friendly.  
⁴ 347V & 480V currents may be supplied with step-down transformer.  
⁵ 350mA only.  
⁶ Use only when vandalism is anticipated to be high. Required only 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

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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

Side Pole Swept Cast Arm				Side Pole S-Shaped Up Cast Arm				Side Pole Neo-Classic Arm¹			
ARM	Tenon Mount		Wall Mt	ARM	Tenon Mount		Wall Mt	ARM	Tenon Mount		Wall Mt
											
HA11S	HA11S-TM1 HA11S-TM2 HA11S-TM3 HA11S-TM4		HA11S-W	HA12S	HA12S-TM1 HA12S-TM2 HA12S-TM3 HA12S-TM4		HA12S-W	HA14S	HA14S-TM1 HA14S-TM2 HA14S-TM3 HA14S-TM4		HA14S-W
Mounting:	1SA	2SB	3SY 4SC	Mounting:	1SA	2SB	3SY 4SC	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.



## 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.  
For custom optics and color temperature configurations, contact factory.

Kim Lighting reserves the right to change specifications without notice.

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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.

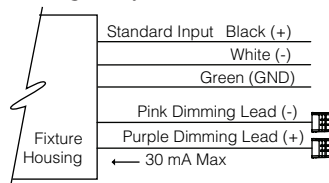
### Electrical Characteristics:

- 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 Pink 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.

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CONTROLS

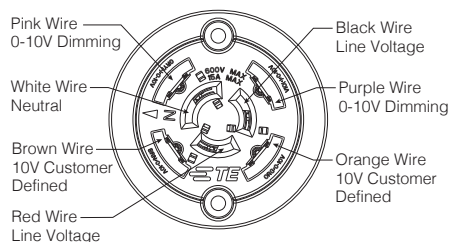
## Photocell Receptacle

### 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

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<sup>1</sup>/277<sup>2</sup>/BL<sup>3</sup>

### 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<sup>2</sup>/BL<sup>3</sup>

## 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.

<sup>1</sup>Pole Diameter, <sup>2</sup>Voltage, <sup>3</sup>Color

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