

BE21

21" ERA® BELL PICOEMITTER® LED

FEATURES

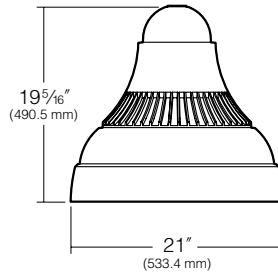
- PicoEmitter® technology¹
- Available in 580nm 3000K, 4000K and 5000K standard CCT
- Type 1, 2, 3, 4, 5, R, L standard distributions
- 0-10V dimming drivers standard
- IP66 certified

CERTIFICATIONS




3000K and warmer CCTs only

SPECIFICATIONS



Approx. Weight = 46 lbs. EPA 0.8 for 1A.
See Configuration for Additional EPAs.

ORDERING CODE

Mounting Options		EPA	Fixture		Electrical Module			Fixture Finish		Photocell Options	
	1A	1 Arm Side Mt.	0.8	<u>Fixture</u> BE21	<u>Distribution</u> 1 Type I 2 Type II 3 Type III 4 Type IV 5 Type V R Type R, Right L Type L, Left	<u>Drive Current</u> E35 350mA PicoEmitter	<u>Source</u> 120L 120 LEDs	<u>Color Temperature</u> ² 2K 580nm ³ 3K 3000K 4K 4000K 5K 5000K	<u>Voltagess</u> ² 120 120V 208 208V 240 240V 277 277V 347 ⁴ 347V 480 ⁴ 480V	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	A30 120V Button Photocell A31 208V Button Photocell A32 240V Button Photocell A33 277V Button Photocell A34 480V Button Photocell A35 347V Button Photocell
*Available round poles only. EPA is for Fixture only											
Fuse Options		Lens Options		NFO Option		Controls		Arm Type ⁷			
SF	120, 277, 347 Line Volts	LS	Polycarbonate Lens ^{5,6}	NFO	Neighbor Friendly Optic, photometry available for Type III/IV. All others, consult factory	WIR-RMI-IO	Wireless 120-480V, 1000' range, wiSCAPE RF control system with on/off/dim, alerts, monitoring and metering capabilities	Pole Arm HA03L	Pole Tenon Mount HA03L-TM1, HA03L-TM2, HA03L-TM3, HA03L-TM4	Wall Mount HA11L-W	Style Side Pole Swept Cast Arm
DF	208, 240, 480 Line Volts							HA11L	HA11L-TM1, HA11L-TM2, HA11L-TM3, HA11L-TM4	HA12L-W	Side Pole S-Shaped Up Cast Arm
								HA12L	HA12L-TM1, HA12L-TM2, HA12L-TM3, HA12L-TM4	HA14L-W	Side Pole Neo-Classic Arm
								HA14L	HA14L-TM1, HA14L-TM2, HA14L-TM3, HA14L-TM4		
						Motion* SCH-R Round Pole Mounted Occupancy Sensor up to 30' SCH-S Square Pole Mounted Occupancy Sensor up to 30'					

¹ US Patent No. D674,965 S. Other patents pending.

² Supplied with universal drivers.

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

⁸ See spec sheet for SCH pole mounted sensor

https://cdn.currentlighting.com/site/specsheet/kl_SCH_spec.pdf

Kim Lighting reserves the right to change specifications without notice.

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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

Post Top Swept Cast Arm¹

ARM Tenon Mount



HA03L

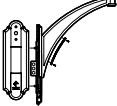




HA03L-TM1
HA03L-TM1
HA03L-TM1
HA03L-TM1

Mounting: 1A 2B

Side Pole Swept Cast Arm

ARM Tenon Mount Wall Mt

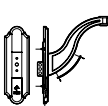




HA11L **HA11L-TM1**
HA11L-TM2
HA11L-TM3
HA11L-TM4 **HA11L-W**

Mounting: 1A 2B 3Y 4C

Side Pole S-Shaped Up Cast Arm

ARM Tenon Mount Wall Mt

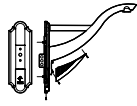




HA12L **HA12L-TM1**
HA12L-TM2
HA12L-TM3
HA12L-TM4 **HA12L-W**

Mounting: 1A 2B 3Y 4C

Side Pole Neo-Classic Arm¹

ARM Tenon Mount Wall Mt




HA14L **HA14L-TM1**
HA14L-TM2
HA14L-TM3
HA14L-TM4 **HA14L-W**

Mounting: 1A 2B 3Y 4C

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)	≥80	≥80	≥70
Power Factor	>.90	>.90	>.90

Projected Lumen Maintenance*		
mA	50,000 hrs	100,000 hrs
350	95.89%	90.09%

Electrical Drive Current @ 350mA		
Volts - AC	Amps - AC	System Watts
120	1.07	128
208	0.62	128
240	0.53	128
277	0.46	128
347	0.37	128
480	0.27	128

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	B2 U0 G2	B2 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2	B3 U0 G1	TBD
4000K	TBD	B2 U0 G3	B2 U0 G2	B2 U0 G2	B1 U0 G2	B1 U0 G2	B3 U0 G2	TBD
5000K	TBD	B2 U0 G4	B2 U0 G2	B2 U0 G2	B1 U0 G2	B1 U0 G2	B3 U0 G2	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	7899	7818	6391	7754	6509	8240	TBD
4000K	TBD	10177	10072	8234	9990	8387	10616	TBD
5000K	TBD	10910	10798	8827	10710	8991	11381	TBD

LED performance and lumen output continues to improve at a rapid pace.
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.

Neighbor Friendly Optic

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

Lens:

- Standard flat glass lens. Optional UV stabilized polycarbonate lens, fully gasketed.
- **CAUTION:** Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight. A program of regular inspection and periodic replacement is highly recommended to maintain optimum fixture performance.

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.

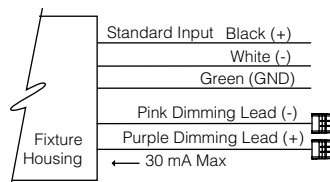
Electrical Characteristics:

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



Finish:

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

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.

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

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 16' to 30'

SCH-R

Round Pole-Mounted Occupancy Sensor: 16' 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-R4¹/277²/BL³

Square Pole-Mounted Occupancy Sensor 16' to 30'

SCH-S

Square Pole-Mounted Occupancy Sensor: 16 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

¹Pole Diameter, ²Voltage, ³Color