KIMLIGHTING

kl_alt120_spec.pdf

JOB	TYPE
NOTES	APPROVALS

FEATURES

- PicoPrism® 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



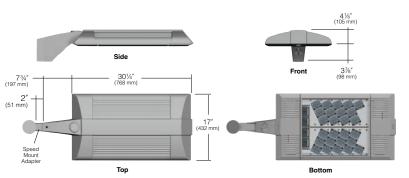


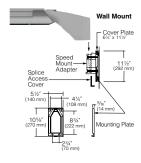


SPECIFICATIONS

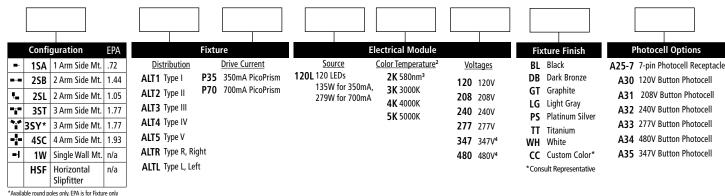


Approx. Weight = 34 lbs. EPA .72 for 1SA. See Mounting for Additional EPAs.





ORDERING CODE





120, 277, 347 FGL⁵ Flat Glass Lens Line Volts FPL5, 6 Flat Polycarbonate DF 208, 240, 480 Lens5, 6 Line Volts

NFO Option

NFO* Neighbor Friendly Optic

*Photometry available for Type III/IV. All others, consult factory.

Wireless

Control Options

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

Motion

SCL-R Round Pole Mounted Occupancy Sensor up to 16'

SCL-S Square Pole Mounted Occupancy Sensor up to 16'

SCH-R Round Pole Mounted Occupancy Sensor 16' to 30'

SCH-S Square Pole Mounted Occupancy Sensor 16' to 30'

Control Accessories

SW7PR7,8 Site Sync with 7-pin PCR SWUSB SiteSync Software on USB **SWTAB** SiteSync Windows® Tablet

SiteSync Wireless **SWBRG** Bridge Node

WIR-RME-L wiSCAPE 7-pin Module NXOFM- NX 7-pin Module

1R1D-UNV SiteSync

SiteSync Lighting Control is available from our most popular brands in a broad range

of award-winning product families.

Mounting Options

VSF Vertical Slipfitter Mount for 2" pipe tenon, (2-3/8" O.D.) SVSF Vertical Slipfitter Mount square for 2" pipe tenon,

(2-3/8" O.D.)

Side Arm Mount 3-4RD 3.3" to 4.2" O.D.

round pole 4-6RD 4.5" to 6" O.D. round pole

SQ Square Pole

Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. ¹ US Patent No. D674,965 S. Other patents pending.

For Control Spec Select: http://trpssl.com/index.html

² For custom optics and color temperature configurations, contact factory

For Pole Spec Select: http://www.kimlighting.com/products/arms_and_poles/

- 3 Turtle friendly. Maximum 500mA drive current for 2K amber option.
- 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 When ordering SiteSync at least one of these two interface options must be ordered per project.
- 8 If needed, an additional Bridge Node can be ordered.



LUMINAIRE PERFORMANCE

Current - 350mA

Spectroradiometric									
	3000K Average	4200K Average	5100K Average						
Color Rendering Index (CRI)	≥75	≥70	≥65						
Power Factor	>.90	>.90	>.90						

Projected Lumen Maintenance								
mA	50,000 hrs	100,000 hrs						
350	N/A	N/A						
700	92.62%	88.08%						

Electrical - Drive Current @350mA								
Volts - AC	Amps - AC	System Watts						
120	1.13	135						
208	0.65	135						
240	0.56	135						
277	0.49	135						
347	0.39	135						
480	0.28	135						

Electrical - Drive Current @700mA								
Volts - AC	Amps - AC	System Watts						
120	2.33	279						
208	1.34	279						
240	1.16	279						
277	1.01	279						
347	0.80	279						
480	0.58	279						

B.U.G. Rating (B.U.G. Rating (TM15) in Lumens where B = Backlight, U = Uplight, G = Glare															
Temperature	TYPE 1	TYPE 1 FGL	TYPE 2	TYPE 2 FGL	TYPE 3	TYPE 3 FGL	TYPE 3 NFO	TYPE 3 NFO FGL	TYPE 4	TYPE 4 FGL	TYPE 4 NFO	TYPE 4 NFO FGL	TYPE 5	TYPEe 5 FGL	TYPE L/R	TYPE L/R FGL
3000K	B4 U0 G4	B4 U0 G4	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G3	B1 U0 G3	B0 U0 G3	B0 U0 G3	B4 U0 G3	B4 U0 G2	B3 U0 G3	B3 U0 G3
4200K	B4 U0 G4	B4 U0 G4	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G4	B1 U0 G3	B0 U0 G3	B0 U0 G3	B4 U0 G3	B4 U0 G2	B3 U0 G3	B3 U0 G3
5100K	B4 U0 G4	B4 U0 G4	B4 U0 G4	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B3 U0 G3	B1 U0 G4	B1 U0 G3	B0 U0 G3	B0 U0 G3	B4 U0 G3	B4 U0 G3	B3 U0 G3	B3 U0 G3

Absolute Lumens																
Temperature	TYPE 1	TYPE 1 FGL	TYPE 2	TYPE 2 FGL	TYPE 3	TYPE 3 FGL	TYPE 3 NFO	TYPE 3 NFO FGL	TYPE 4	TYPE 4 FGL	TYPE 4 NFO	TYPE 4 NFO FGL	TYPE 5	TYPEe 5 FGL	TYPE L/R	TYPE L/R FGL
3000K	15014	11711	15221	12336	15150	12278	13120	10634	14200	11509	12534	10159	15267	12373	14807	12001
4200K	15398	12011	15611	12652	15538	12593	13457	10906	14564	11803	12855	10419	15658	12690	15187	12308
5100K	15574	12148	15789	12796	15716	12737	13610.3	11031	14730	11938	13002	10538	15837	12835	15360	12449

B.U.G. Rating (TM15) in Lumens where 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	B5 U0 G5	B4 U0 G4	B4 U0 G4	B3 U0 G4	B1 U0 G4	B1 U0 G4	B5 U0 G3	B4 U0 G4			
4000K	B5 U0 G5	B4 U0 G5	B4 U0 G4	B3 U0 G4	B1 U0 G5	B1 U0 G5	B5 U0 G3	B4 U0 G4			
5000K	B5 U0 G5	B4 U0 G5	B4 U0 G4	B3 U0 G4	B1 U0 G5	B1 U0 G5	B5 U0 G3	B4 U0 G5			

Absolute Lumens											
Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R			
3000K	25591	25797	25679	22238	24857	21244	25875	25098			
4000K	26247	26458	26337	22807	25494	21788	26538	25741			
5000K	26547	26761	26638	23068	25785	22037	26841	26035			

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.



SPECIFICATIONS

Housing:

- Extruded low copper aluminum main body.
- Die-cast low copper aluminum electrical gear compartment.
- Stainless steel hardware.
- Die cast wall separates the optical and electrical compartment acting as thermal barrier.
- Electrical gear compartment doors are fastened with two hinges and a latch made of stainless steel.
- Silicone gaskets seal the compartments at the barrier surface.

Optical Module:

- PicoPrism® refractors (enclosed LED PCBs for IP66 rating) aimed toward the task and spreads horizontally to produce great uniformity.
- 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.

Lens Frame:

 One-piece low copper aluminum alloy die-cast is secured to housing with two toolless latches.

Neighbor Friendly Optic

 Optional integrated Neighbor Friendly Optic on each LED module to completely control unwanted backlight. Most effective with Type III and IV distibutions.

Lens

 One-piece flat glass lens slips into reveal. Extra silicone gasketing is provided to retain a clear optical compartment. CAUTION: Use only when vandalism is anticipated to be high.

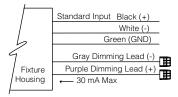
Electrical Characteristics:

- Pre-assembled, aluminum gear tray.
- 120V through 480V @ 50/60Hz.
- Class 2, 350mA or 700mA

- Power Factor = >.90
- National Electrical Code, ANSI/NFPA 70.
- 10kV surge suppression.
- Thermal shield thermal control.
- -30c starting driver.
- 0-10V dimming interface.
- All electronic components are IP66 rated.
- Electronic components are UL and/or CSA recognized.
- Standard programmable driver for variable drive current settings from 350mA to 700mA.

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



Support Arm:

- Speed Mount and a reinforcing plate are provided with wire strain relief.
- Speed Mount is square or circular cut for specified pole size and shape.
- Die-cast, low copper aluminum support arm for direct pole mount.
- Die-cast aluminum tool-less entry splice access cover
- Terminal block is mounted in the arm cavity and accepts #14 to #8 wire sizes.
- Prewired to electrical module with quick-disconnect plugs located inside the electrical compartment.

- Optional cast, low copper aluminum horizontal slip-fitter with adaptor plate to secure the luminaire to 1-1/4" 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 with a square cut Speed Mount.

Finish:

- Fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat.
- Standard colors include (BL) Black, (DB) Dark Bronze, (GT) Graphite, (WH) White, (PS) Platinum Silver, (LG) Light Gray, (TT) Titanium, 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.
- Meets Buy American provisions within ARRA.
- 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



CONTROLS

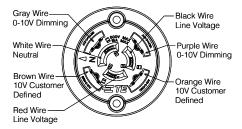
Photocell Receptacle

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.
- 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.

wiSCAPE™

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 16' SCL-R

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

Square Pole-Mounted Occupancy Sensor up to 16' SCI-S

16' - 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 square pole mounting. Pole diameter is

Square Pole-Mounted Occupancy Sensor up to

are available in Black, Gray, and White. Module is cut for square pole mounting. Pole diameter is needed upon order. Poles to be drilled in the field will be provided with installation instructions.

Ordering Example: SCL-L/277²/BL³

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

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

¹Pole Diameter, ²Voltage, ³Color