KIM LIGHTING

JOB _____ TYPE _____

NOTES _____ APPROVALS _____

FEATURES

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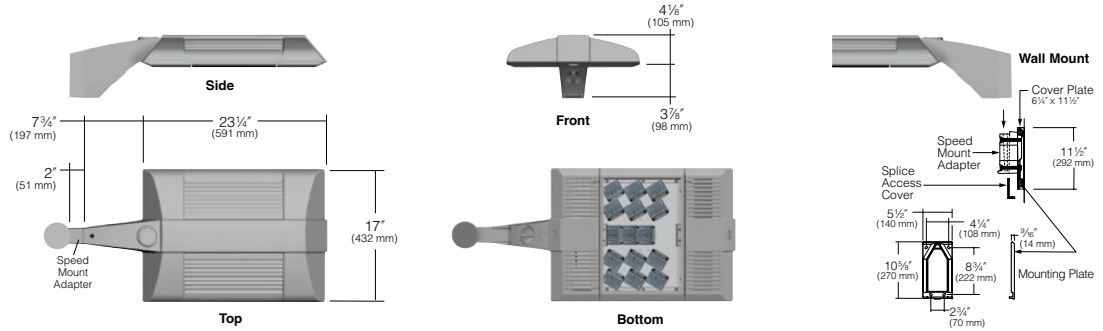- 0-10V dimming drivers standard
- IP66 certified

CERTIFICATIONS

c UL us LISTED · ida DARK SKY APPROVED 2016 · DLC QPL LISTED

3000K and warmer CCTs only

SPECIFICATIONS

Approx. Weight = 27 lbs. EPA .58 for 1SA.
See Mounting for Additional EPAs.

Side — 7¾" (197 mm), 23¼" (591 mm), 2" (51 mm), 17" (432 mm)
Speed Mount Adapter
Top

Front — 4⅛" (105 mm), 3⅞" (98 mm)
Bottom

Wall Mount — Cover Plate 6¼" x 11½", Speed Mount Adapter, Splice Access Cover, 11½" (292 mm), 5½" (140 mm), 10⅝" (270 mm), 4¼" (108 mm), 8¾" (222 mm), 9⁄16" (14 mm), 2¾" (70 mm), Mounting Plate

ORDERING CODE

Configuration		EPA
1SA	1 Arm Side Mt.	0.58
2SB	2 Arm Side Mt.	1.17
2SL	2 Arm Side Mt.	0.91
3ST	3 Arm Side Mt.	1.50
3SY*	3 Arm Side Mt.	1.50
4SC	4 Arm Side Mt.	1.66
1W	Single Wall Mt.	n/a
HSF	Horizontal Slipfitter	n/a

*Available round poles only. EPA is for Fixture only

Fixture

Distribution		Drive Current	
ALT1	Type I	P35	350mA PicoPrism
ALT2	Type II	P70	700mA PicoPrism
ALT3	Type III		
ALT4	Type IV		
ALT5	Type V		
ALTR	Type R, Right		
ALTL	Type L, Left		

Electrical Module

Source	Color Temperature[2]		Voltages	
60L 60 LEDs. 70W for 350mA, 141W for 700mA	2K[3]	580nm	120	120V
	3K	3000K	208	208V
	4K	4000K	240	240V
	5K	5000K	277	277V
			347[4]	347V
			480[4]	480V

Fixture Finish

BL	Black
DB	Dark Bronze
GT	Graphite
LG	Light Gray
PS	Platinum Silver
TT	Titanium
WH	White
CC	Custom Color[2]

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

Lens Option

FGL[5]	Flat Glass Lens
FPL[5, 6]	Flat Polycarbonate Lens[5, 6]

NFO Option

NFO* Neighbor Friendly Optic

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

Control Options

Wireless

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

SW7PR[7,8]	Site Sync with 7-pin PCR
SWUSB	SiteSync Software on USB
SWTAB	SiteSync Windows® Tablet
SWBRG	SiteSync Wireless Bridge Node
WIR-RME-L	wiSCAPE 7-pin Module
NXOFM-1R1D-UNV	NX 7-pin Module

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

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. 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.

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LUMINAIRE PERFORMANCE

Spectroradiometric

	3000K Average	4200K Average	5100K Average
Correlated Color Temp. CCT (K)	2800K-3175K	3800K-4600K	4600K-5600K
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	93.62%	89.99%

Electrical - Drive Current @350mA

Volts - AC	Amps - AC	System Watts
120	0.58	70
208	0.34	70
240	0.29	70
277	0.25	70
347	0.20	70
480	0.15	70

Electrical - Drive Current @700mA

Volts - AC	Amps - AC	System Watts
120	1.18	141
208	0.68	141
240	0.59	141
277	0.51	141
347	0.41	141
480	0.29	141

Current - 350mA

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	B3 U0 G3	B3 U0 G3	B2 U0 G2	B3 U0 G3	B2 U0 G2	B2 U0 G2	B2 U0 G2	B1 U0 G2	B1 U0 G2	B0 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G2	B2 U0 G2	B2 U0 G2
4200K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B3 U0 G3	B2 U0 G2	B2 U0 G2	B2 U0 G2	B1 U0 G2	B1 U0 G2	B0 U0 G2	B0 U0 G2	B0 U0 G2	B3 U0 G2	B3 U0 G2	B2 U0 G2	B2 U0 G2
5100K	B3 U0 G3	B3 U0 G3	B2 U0 G2	B3 U0 G3	B2 U0 G2	B2 U0 G2	B2 U0 G2	B1 U0 G2	B1 U0 G2	B1 U0 G2	B0 U0 G2	B0 U0 G2	B4 U0 G2	B3 U0 G2	B2 U0 G2	B2 U0 G2

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	7597	5925	7535	5877	7641	5960	6660	5195	7386	5761	6497	5068	7941	6194	7563	5899
4200K	7791	6077	7728	6028	7837	6113	6831	5328	7575	5908	6664	5198	8145	6353	7757	6050
5100K	7880	6147	7817	6097	7927	6183	6909.1	5389	7662	5976	6740	5257	8238	6426	7845	6119

Current - 700mA

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	B4 U0 G4	B3 U0 G3	B3 U0 G3	B2 U0 G3	B1 U0 G3	B0 U0 G3	B4 U0 G2	B3 U0 G3
4200K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B2 U0 G3	B1 U0 G3	B0 U0 G3	B4 U0 G3	B3 U0 G3
5100K	B4 U0 G4	B3 U0 G3	B3 U0 G3	B2 U0 G3	B1 U0 G3	B0 U0 G3	B4 U0 G3	B3 U0 G3

Absolute Lumens

Temperature	TYPE 1	TYPE 2	TYPE 3	TYPE 3 NFO	TYPE 4	TYPE 4 NFO	TYPE 5	TYPE L/R
3000K	13021	13126	13134	11522	12141	11024	13452	12768
4200K	13354	13462	13471	11818	12452	11306	13797	13095
5100K	13507	13616	13625	11953	12594	11436	13955	13245

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:

- 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).

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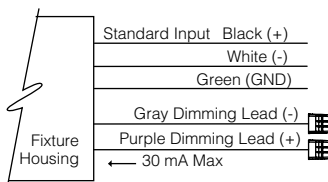
Support Arm:

- 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

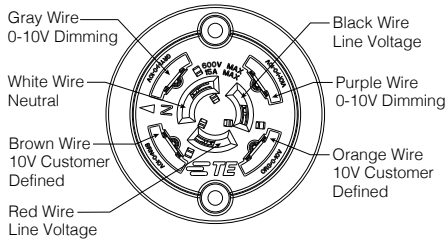*Kim Lighting reserves the right to change specifications without notice.*

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

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 Controls

wiSCAPE™

Hubbell Control Solution's wiSCAPE™ wireless control modules allow an individual fixture to managed, monitored and measured. The modules communicate securely over a robust certified meshed radio signal. The wiSCAPE modules provide on/off/dim control, external device input, alerts and metering.

WIR-RMI-IO

wiSCAPE Internal Module, 120-480V, 1000ft range (LOS), 3 Digital Inputs/1 Analog Input, 2 Outputs.

WIR-RME-L

wiSCAPE External Module,120-480V, 1000ft range (LOS), Internal Photocell, 1 Digital Input, Compatible with the A-25-7H option

SiteSync™[1]

SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbelllighting.com/products/sitesync for more details.

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-R4[4]/277[2]/BL[3]

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

Square 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 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/277[2]/BL[3]

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-R4[4]/277[2]/BL[3]

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/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

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