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
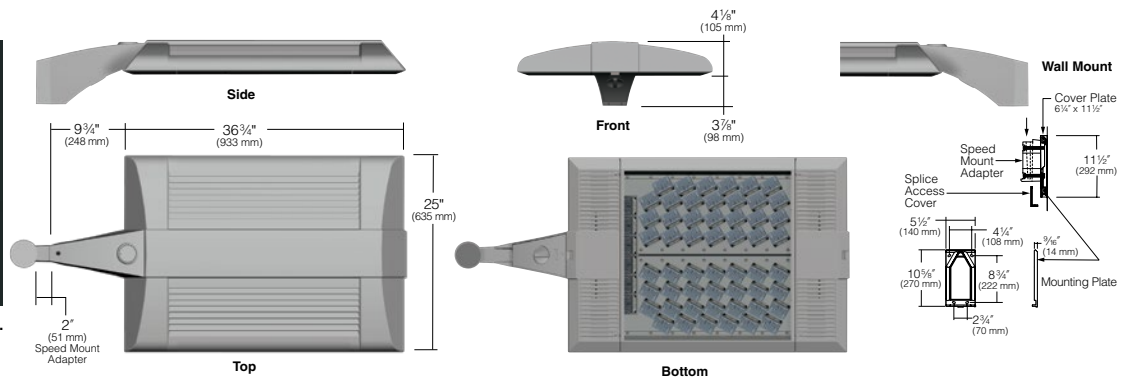- 0-10V dimming drivers standard
- IP66 certified

Certifications

c UL us LISTED

ida DARK SKY APPROVED 2016

3000K and warmer CCTs only

SPECIFICATIONS

Approx. Weight = 55 lbs. EPA 1.01 for 1SA.
See Mounting for Additional EPAs.

Side
9¾" (248 mm)   36¾" (933 mm)   25" (635 mm)
2" (51 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)
L
5½" (140 mm)   4¼" (108 mm)   ⁹⁄₁₆" (14 mm)
10⅝" (270 mm)   8¾" (222 mm)
2¾" (70 mm)
Mounting Plate

ORDERING CODE

Configuration		EPA
1SA	1 Arm Side Mt.	0.92
2SB	2 Arm Side Mt.	2.04
2SL	2 Arm Side Mt.	1.55
3ST	3 Arm Side Mt.	2.58
3SY*	3 Arm Side Mt.	2.58
4SC	4 Arm Side Mt.	2.88
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**
240L 240 LEDs, 269W for 350mA, 556W for 700mA	2K 580nm[3]	120 120V
	3K 3000K	208 208V
	4K 4000K	240 240V
	5K 5000K	277 277V
		347 347V[4]
		480 480V[4]

Fixture Finish	
BL	Black
DB	Dark Bronze
GT	Graphite
LG	Light Gray
PS	Platinum Silver
TT	Titanium
WH	White
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

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

SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.

Mounting Options

	Vertical Slipfitter		Side Arm Mount	
VSF	Vertical Slipfitter Mount for 2" pipe tenon, (2-3/8" O.D.)		3-4RD	3.3" to 4.2" O.D. round pole
SVSF	Vertical Slipfitter Mount square for 2" pipe tenon, (2-3/8" O.D.)		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.

Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Kim Lighting reserves the right to change specifications without notice.

LUMINAIRE PERFORMANCE

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	95.96%	93.11%
700	91.96%	86.83%

Electrical - Drive Current @350mA

Volts - AC	Amps - AC	System Watts
120	2.24	269
208	1.29	269
240	1.12	269
277	0.97	269
347	0.78	269
480	0.56	269

Electrical - Drive Current @700mA

Volts - AC	Amps - AC	System Watts
120	4.63	556
208	2.67	556
240	2.32	556
277	2.01	556
347	1.60	556
480	1.16	556

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	B5 U0 G5	B5 U0 G5	B5 U0 G5	B4 U0 G4	B4 U0 G5	B3 U0 G5	B3 U0 G4	B3 U0 G4	B2 U0 G5	B1 U0 G5	B1 U0 G5	B1 U0 G4	B5 U0 G5	B5 U0 G4	B4 U0 G5	B3 U0 G5
4200K	B5 U0 G5	B5 U0 G5	B5 U0 G5	B4 U0 G4	B4 U0 G5	B3 U0 G5	B3 U0 G4	B3 U0 G4	B2 U0 G5	B1 U0 G5	B1 U0 G5	B1 U0 G4	B5 U0 G5	B5 U0 G4	B4 U0 G5	B3 U0 G5
5100K	B5 U0 G5	B5 U0 G5	B5 U0 G5	B4 U0 G4	B4 U0 G5	B3 U0 G5	B3 U0 G4	B3 U0 G4	B2 U0 G5	B1 U0 G5	B1 U0 G5	B1 U0 G4	B5 U0 G5	B5 U0 G4	B4 U0 G5	B3 U0 G5

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	29382	22616	30105	23173	30349	23361	23726	18263	30176	23228	24379	18765	31291	24086	26850	20668
4200K	30134	23196	30876	23767	31126	23959	24334	18731	30949	23823	25003	19246	32093	24703	27538	21198
5100K	30479	23461	31229	24038	31482	24233	24613	18945	31303	24096	25289	19466	32460	24985	27853	21440

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	B5 U0 G5	B5 U0 G5	B5 U0 G5	B4 U0 G5	B3 U0 G5	B1 U0 G5	B5 U0 G5	B4 U0 G5
4000K	B5 U0 G5	B5 U0 G5	B5 U0 G5	B4 U0 G5	B3 U0 G5	B1 U0 G5	B5 U0 G5	B4 U0 G5
5000K	B5 U0 G5	B5 U0 G5	B5 U0 G5	B4 U0 G5	B3 U0 G5	B1 U0 G5	B5 U0 G5	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	49799	51025	51438	40215	51146	41320	53036	45509
4000K	51074	52333	52756	41245	52457	42378	54395	46675
5000K	51658	52931	53359	41716	53056	42863	55017	47209

* FGL = Flat Glass Lens.
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.
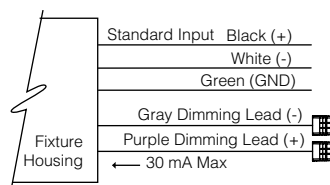
Electrical Characteristics:

- 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 (-)
         Fixture                   Purple Dimming Lead (+)
         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

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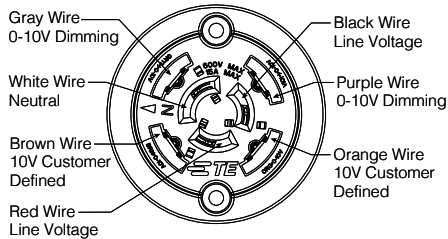
CONTROLS

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.

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.

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-R4[1]/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[1]/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

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

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