

JOB \_\_\_\_

PicoEmitter<sup>®</sup> technology<sup>1</sup>

Available in 580nm 3000K, 4000K and 5000K

ТҮРЕ \_\_\_\_\_

NOTES \_

FEATURES

Family of six sizes

standard CCT

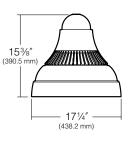
■ Type 1, 2, 3, 4, 5 standard distributions

• 0-10V dimming drivers standard

APPROVALS \_\_\_\_

# Certifications CUD us USTED 3000K and warmer CCTs only





IP66 certified

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

# ORDERING CODE

ORDERING CODE											
				_				_			
Configuration EPA		Fixtur	e			Electrical Mod	ule		Fixture Finish	Р	hotocell Options
• <b>1A</b> 1 Arm Side Mt. 0.6	Fixture	Distribution		Current	Source	Color Temperat		oltages	BL Black		120V Button Photocell
	BE17	1 Type I		nA PicoEmitter	60L 60 LEDs	<b>2K</b> 580nm <sup>3</sup>		120-277V	DB Dark Bronze		208V Button Photocell
		2 Type II				<b>3K</b> 3000K	120		GT Graphite		240V Button Photocell
<b>3Y</b> * 3 Arm Side Mt. 1.8		3 Type III				<b>4K</b> 4000K	208		LG Light Gray		277V Button Photocell
• <b>4C</b> 4 Arm Side Mt. 2.1		4 Type IV				<b>5K</b> 5000K	240		<b>PS</b> Platinum Silv	er	480V Button Photocell
•I 1W Single Wall Mt. n/a		5 Type V					240		TT Titanium		347V Button Photocell
*Available round poles only. EPA is for Fixture only		<b>R</b> Type R, Right							WH White		J47 V Dutton Thotocen
		L Type L, Left					3474		CC Custom Colo *Consult Representati		
						1	480 <sup>4</sup>	480V	Consult Representati	ive	
						1					
	Options	NFO Op			Controls				Arm T		
SF 120, 277, 347 Line Volts LS Polyca	arbonate Lens <sup>!</sup>		Friendly		Wireless		Pole Arm		<u>e Tenon Mount</u>	Wall Mount	Style
DF 208, 240, 480 Line Volts		Optic*		WIR-RMI-IC	) 120-480V, 1000'		HA01S		IA01S-TM1		Post Top Crook
		*Photometry a			RF control system dim, alerts, monit		HA02S		TM1, HA02S-TM2, TM3, HA02S-TM4	HA02S-W	Side Pole Crook
		for Type III/IV others, consul			metering capabil		HA03S		TM1, HA03S-TM2,		Post Top Swept Cast Arm
			,, <b>,</b>				11/1000		TM3, HA03S-TM4		·
					Motion		HA11S		TM1, HA11S-TM2,	HA11S-W	Side Pole Swept Cast Arm
				SCL-R	Round Pole Moun Occupancy Sensor				TM3, HA11S-TM4		
Mounting Options					Square Pole Mour		HA12S		TM1, HA12S-TM2,	HA12S-W	Side Pole S-Shaped Up Cast Arm
VSF Vertical Slipfitter Mount for	3" O.D. Pole			301-3	Occupancy Sensor		HA14S		TM3, HA12S-TM4 TM1, HA14S-TM2,	HA14S-W	Side Pole Neo-Classic Arr
	3.5" O.D. Pole			SCH-F	Round Pole Moun	ted	NA 145		TM3, HA14S-TM2,	NA 143-W	Side I die Neo-Classic All
SVSF Vertical Slipfitter Mount	4" O.D. Pole				Occupancy Sensor	r 16' to 30'	HA31S		TM1, HA31S-TM2,	HA31S-W	Side Pole Arm w/Top Scro
square for 2" pipe tenon,	5" O.D. Pole			SCH-S	Square Pole Mour				ТМЗ, НАЗ1S-ТМ4		·
(2-3/8" O.D.)	6" O.D. Pole				Occupancy Sensor	r 16' to 30'	HA33S		TM1, HA33S-TM2,	HA33S-W	Side Pole Ribbon Arm w/
	Square Pole								TM3, HA33S-TM4		Top Gusset
	•						HA35S	н	IA35S-TM1	HA35S-W	Side Pole Ribbon Arm w/Top Brace
							HA37S	н	IA37S-TM1	HA37S-W	Side Pole Ribbon w/Top
		For Pole Spec Select:				d_poles/	HA38S	н	IA38S-TM1	HA38S-W	Brace, Bottom Scroll Side Pole Ribbon w/Top
		For Control Spec Sel	ect: http://trp	issi.com/index.ht							Brace, Bottom Gusset
		<sup>1</sup> US Patent No. D6					⁵ 350mA	. ,			
Kim Lighting reserves the right		<sup>2</sup> For custom optics	s and color	temperature co	nfigurations, cont	act factory.			indalism is anticipat in locations where		
change specifications without n		<sup>3</sup> Turtle friendly. <sup>4</sup> 347V & 480V cur	rrents may l	ne supplied wit	h sten-down trar	former		orized pers		IIXTULES COLL D	e reached by
analige specifications without h											



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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.

Post Top C	Crook <sup>1</sup>		Side Pole	Crook <sup>1</sup>		Post Top S	Swept Cast Arm <sup>1</sup>	
ARM	Tenon Mount	Wall Mt	ARM	Tenon Mount	Wall Mt	ARM	Tenon Mount	Wall Mt
$\bigcap$	$\bigcap$			$\bigcap$				
				Ц		A A		
σ				4				
HA01S	HA01S-TM1		HA02S	HA02S-TM1 HA02S-TM2	HA02S-W	HA03S	HA03S-TM1 HA03S-TM1	
				HA02S-TM3			HA03S-TM1 HA03S-TM1	
Mounting:	1SA		Mounting:	HA02S-TM4 1SA 2SB	3SY 4SC	Mounting:	1SA 2SB	3SY 4SC
ide Pole S	Swept Cast Arm	l	Side Pole S	5-Shaped Up Ca	st Arm	Side Pole	Neo-Classic Arm	1
ARM	Tenon Mount	Wall Mt	ARM	Tenon Mount	Wall Mt	ARM	Tenon Mount	Wall Mt
				P				⋒₽
HA11S	HA11S-TM1	₩ HA11S-W	HA12S	HA12S-TM1	HA12S-W	HA14S	HA14S-TM1	HA14S-V
	HA11S-TM2			HA12S-TM2 HA12S-TM3			HA14S-TM2 HA14S-TM3	
	HA11S-TM3 HA11S-TM4			HA12S-TMS			HA14S-TMS	
Mounting:	1SA 2SB	3SY 4SC	Mounting:	1SA 2SB	3SY 4SC	Mounting:	1SA 2SB	3SY 4SC
Mounting:	1SA 2SB	3SY 4SC	Mounting:	1SA 2SB	3SY 4SC	I Mounting:	1SA 2SB	3SY 4SC
	1SA 2SB			1SA 2SB			1SA 2SB	
Side Pole /								
Side Pole /	Arm w/Top Scrc	bli	Side Pole I	Ribbon Arm w/1	Fop Gusset	Side Pole	<b>Ribbon Arm w/1</b> Tenon Mount <i>Consult Factory</i>	<b>Top Brace</b> Wall Mt Consult Facto
Side Pole /	Arm w/Top Scrc	bli	Side Pole I	Ribbon Arm w/1	Fop Gusset	Side Pole	<b>Ribbon Arm w/1</b> Tenon Mount	<b>Top Brace</b> Wall Mt Consult Factor
Side Pole / ARM	Arm w/Top Scro Tenon Mount	Wall Mt	Side Pole I ARM	Ribbon Arm w/T Tenon Mount	Fop Gusset Wall Mt	Side Pole	<b>Ribbon Arm w/1</b> Tenon Mount <i>Consult Factory</i>	<b>Top Brace</b> Wall Mt Consult Factor for other mtg.
Side Pole / ARM	Arm w/Top Scrc	bli	Side Pole I	Ribbon Arm w/1	Fop Gusset	Side Pole	<b>Ribbon Arm w/T</b> Tenon Mount Consult Factory for other mtgs.	<b>Top Brace</b> Wall Mt Consult Factor for other mtg.
iide Pole ARM	Arm w/Top Scro Tenon Mount	Wall Mt	Side Pole I ARM	Ribbon Arm w/T Tenon Mount	Fop Gusset Wall Mt	Side Pole	<b>Ribbon Arm w/T</b> Tenon Mount Consult Factory for other mtgs.	<b>Top Brace</b> Wall Mt Consult Factor for other mtg.
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iide Pole A ARM	Arm w/Top Scro Tenon Mount	Wall Mt HA31S-W	Side Pole I ARM HA33S	Ribbon Arm w/T Tenon Mount HA33S-TM1 HA33S-TM2 HA33S-TM3 HA33S-TM4	Fop Gusset Wall Mt	Side Pole ARM HA35S	Ribbon Arm w/T Tenon Mount Consult Factory for other mtgs. HA35S-TM1	Top Brace Wall Mt Consult Factor for other mtg: HA35S-V
ARM HA315 Mounting: Side Pole I	Arm w/Top Scro Tenon Mount	Wall Mt Wall Mt HA31S-W 3Y 4C	Side Pole I ARM HA33S Mounting:	Ribbon Arm w/T Tenon Mount LA33S-TM1 HA33S-TM2 HA33S-TM3 HA33S-TM4 1SA 2SB Ribbon Arm w/T	Top Gusset Wall Mt In A335-W 35Y 4SC	Side Pole ARM HA35S Mounting:	Ribbon Arm w/T Tenon Mount Consult Factory for other mtgs. HA35S-TM1 1SA 2SB	Top Brace Wall Mt Consult Facto for other mtg HA35S-V 3SY 4SC
Side Pole / ARM HA31S Mounting: Side Pole I Sottom Sc	Arm w/Top Scro Tenon Mount	Wall Mt Wall Mt HA31S-W 3Y 4C	Side Pole I ARM HA33S Mounting:	Ribbon Arm w/T Tenon Mount LA33S-TM1 HA33S-TM2 HA33S-TM3 HA33S-TM4 1SA 2SB Ribbon Arm w/T	Top Gusset Wall Mt In A335-W 35Y 4SC	Side Pole ARM HA35S Mounting: Arm Finial HAF02	Ribbon Arm w/T Tenon Mount Consult Factory for other mtgs. HA35S-TM1 1SA 2SB	Fop Brace   Wall Mt   Consult Factor   for other mtg   HA35S-V   3SY   3SY   4SC
ARM ARM HA315 Mounting: Gide Pole I Bottom Sc	Arm w/Top Scro Tenon Mount HA31S-TM1 HA31S-TM2 HA31S-TM3 HA31S-TM4 1SA 2B Ribbon Arm w/Torol	Wall Mt Wall Mt HA315-W 3Y 4C	Side Pole I ARM HA33S Mounting: Side Pole I Bottom Gu	Ribbon Arm w/T Tenon Mount HA33S-TM1 HA33S-TM2 HA33S-TM3 HA33S-TM4 1SA 2SB Ribbon Arm w/T usset	Top Gusset Wall Mt IF A33S-W 3SY 4SC	Side Pole ARM HA35S Mounting:	Ribbon Arm w/T Tenon Mount Consult Factory for other mtgs. HA35S-TM1 1SA 2SB	Fop Brace   Wall Mt   Consult Factor   for other mtg   HA35S-V   3SY   3SY   4SC
Side Pole / ARM HA31S Mounting:	Arm w/Top Scro Tenon Mount	Wall Mt Wall Mt HA31S-W 3Y 4C	Side Pole I ARM HA33S Mounting: Side Pole I Bottom Gu	Ribbon Arm w/T Tenon Mount HA33S-TM1 HA33S-TM2 HA33S-TM2 HA33S-TM4 1SA 2SB Ribbon Arm w/T sset Tenon Mount	Top Gusset Wall Mt HA33S-W 3SY 4SC Top Brace & Wall Mt	Side Pole ARM HA35S Mounting: Arm Finial HAF02	Ribbon Arm w/T Tenon Mount Consult Factory for other mtgs. HA35S-TM1 1SA 2SB Traditional style f close off mountin	Top Brace Wall Mt Consult Facto for other mtg HA355-V 3SY 4SC
Side Pole / ARM HA31S Mounting: Side Pole I Sottom Sc	Arm w/Top Scro Tenon Mount Image: Constant of the scrol HA31S-TM1 HA31S-TM2 HA31S-TM2 HA31S-TM3 HA31S-TM4 1SA 2B Ribbon Arm w/T croll Tenon Mount Consult Factory	Wall Mt Wall Mt HA31S-W 3Y 4C Top Brace & Wall Mt Consult Factory	Side Pole I ARM HA33S Mounting: Side Pole I Bottom Gu	Ribbon Arm w/T Tenon Mount HA33S-TM1 HA33S-TM2 HA33S-TM3 HA33S-TM4 1SA 2SB Ribbon Arm w/T isset Tenon Mount <i>Consult Factory</i>	Top Gusset Wall Mt HA33S-W 3SY 4SC Top Brace & Wall Mt Consult Factory	Side Pole ARM HA35S Mounting: Arm Finial HAF02	Ribbon Arm w/T Tenon Mount Consult Factory for other mtgs. HA35S-TM1 1SA 2SB Traditional style f close off mountin fixture.	Top Brace Wall Mt Consult Facto for other mtg HA35S-V 3SY 4SC
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ARM ARM HA315 Mounting: Gide Pole I Bottom Sc	Arm w/Top Scro Tenon Mount	Wall Mt Wall Mt HA31S-W 3Y 4C Top Brace & Wall Mt Consult Factory for other mtgs.	Side Pole I ARM HA33S Mounting: Side Pole I Bottom Gu ARM	Ribbon Arm w/T Tenon Mount LA33S-TM1 HA33S-TM2 HA33S-TM3 HA33S-TM4 1SA 2SB Ribbon Arm w/T ISA 2SB Ribbon Arm w/T ISA	Fop Gusset Wall Mt FA33S-W 3SY 4SC Top Brace & Wall Mt Consult Factory for other mtgs.	Side Pole ARM HA35S Mounting: Arm Finial HAF02	Ribbon Arm w/T Tenon Mount Consult Factory for other mtgs. HA35S-TM1 1SA 2SB Traditional style f close off mountin fixture.	Top Brace Wall Mt Consult Facto for other mtg HA35S-V 3SY 4SC
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Lumen Data

Spectroradiometric							
	3000K Average	4000K Average	5000K Average				
Color Rendering Index (CRI)	≥75	≥70	≥65				
Power Factor	>.90	>.90	>.90				

Projected	umen 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	<b>B.U.G. Rating</b> (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. 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.

Kim Lighting reserves the right to change specifications without notice.





# SPECIFICATIONS

### Housing:

- One-piece die-cast, low copper (<0.6% Cu) aluminumalloy with integral cooling ribs over the optical chamber and electricalcompartment.
- 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.

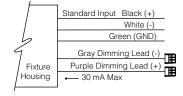
### **Electrical Characteristics:**

- 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 Grey 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 (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.
- 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.

### WARRANTY:

 For full warranty see http://www. hubbelllighting.com/resources/warranty





### CONTROLS

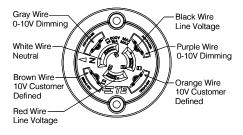
### Photocell Receptacle

# 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.
- **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.

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

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### Wireless Control

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

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

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

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

### 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

HUBBELL Lighting

HUBBELL