

CATALOG NO. \_\_\_\_\_

TYPE NO. \_\_\_\_\_ JOB NAME \_\_\_\_\_

# SCL Signature Canopy Light

## ORDERING INFORMATION

Catalog Number: Example: SCL255PMAFS-8

SCL				
<b>FIXTURE</b>		<b>LAMP SOURCE</b>	<b>OPTION</b>	<b>VOLTAGE</b>
SCL- Signature Canopy Light	<b>WATTAGE</b> 255-250W 325-325W** 355-350W** 405-400W	<b>LX</b> -High Pressure Sodium (NPF) <b>PMA</b> -Pulse Start Metal Halide	<b>AMC</b> -Automatic standby auxiliary light <b>FS</b> -Single fusing 120V, 277V <b>FFS</b> -Double fusing 208V, 240V, 480V <b>GL</b> -Flat glass lens <b>L</b> -Lamp <b>HS</b> -Indexed Horizontal Socket* <b>PR</b> -Polycarbonate lens	<b>1</b> -120V <b>2</b> -208V <b>3</b> -240V <b>4</b> -277V <b>5</b> -480V <b>8</b> -120V 208V 240V 277V

\*Required for Super Metalarc lamp.

\*\*325W and 350W fixture available in pulse start only.

## ACCESSORIES

**SCLLENS**-Acrylic Lens Replacement Kit.

**SCLLENSGL**-Glass Lens Replacement Kit.

## TECHNICAL INFORMATION

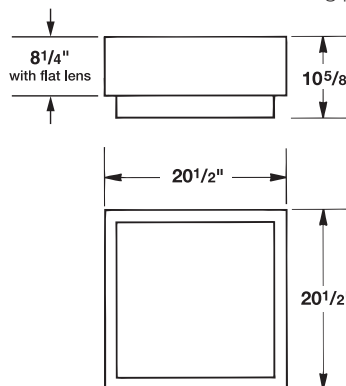
SCL fixtures accept mogul screw base lamps. High Pressure Sodium units use E18. Pulse Start Metal Halide uses BT37. Lamps can be ordered and shipped with the fixture as a factory option. SCL units should not be surface mounted to low density ceilings. Units are to be mounted on metal or concrete surfaces. Not for use in carwashes, indoor swimming pools, or other areas that may entrap heat.

### Spacing Ratio

SCL405LX	1.2
SCL405MA	1.1
SCL255MA	1.1
SCL255LX	1.2



UL Wet Location Listed.  
UL File Number: E86021

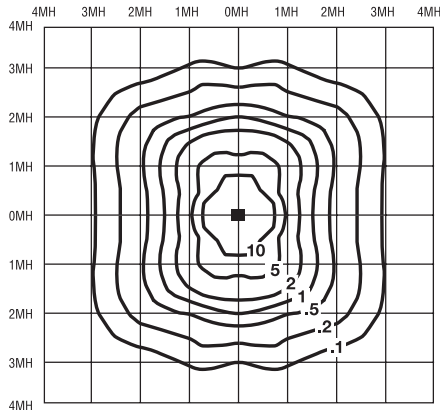


## PRODUCT SPECIFICATIONS

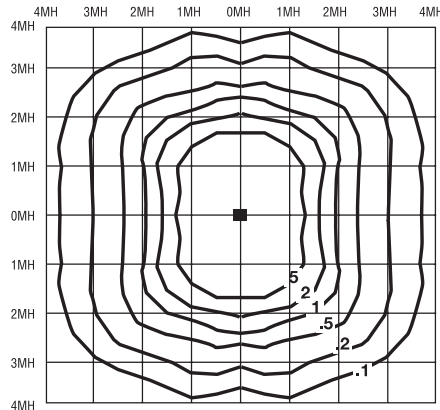
- SCL outdoor canopy and soffit lighting where mounting heights range between 10 and 20 feet. Typical applications include retail gasoline island canopies, drive-through canopies, and soffits over walks and entries.
- Housing is fabricated from formed steel, finished in Duraplex II white polyester, for durability.
- Ballast components are rigidly mounted to the housing for maximum heat transfer and strength. Easily accessible through a removable ballast cover.
- A closed cell neoprene gasket provides maximum sealing between the housing and lens assembly.
- Lamp sockets are nickel plated "lamp grip" type with a spring loaded center contact. 4KV pulse rated.
- Anodized aluminum, high reflectance lighting sheet is used with the primary reflector and ballast/cover secondary reflector for high efficiency.
- A high impact resistant "double prism" injection molded acrylic refractor gives excellent light distribution.
- Type V distribution is standard rotating refractor 90° provides asymmetric distribution.

# SCL Signature Canopy Light

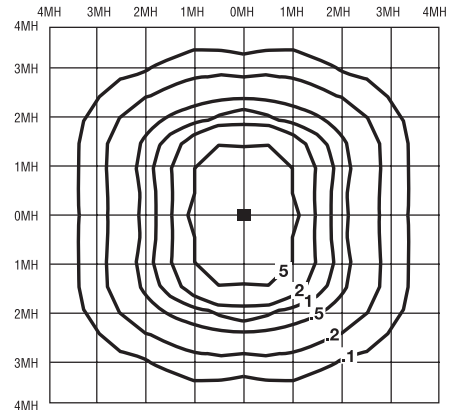
## PHOTOMETRICS



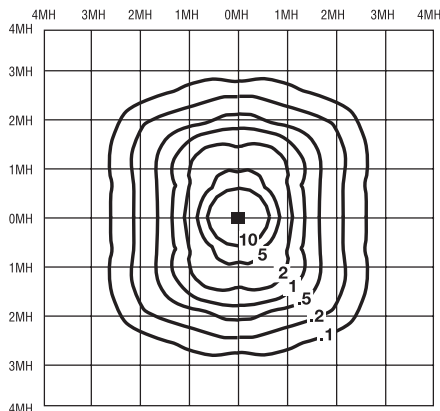
**SCL255LX**  
LU250  
27,500 Lumens  
14' Mounting Height



**SCL405LX**  
LU400  
50,000 Lumens  
14' Mounting Height



**SCL405MA**  
M400/U  
36,000 Lumens  
14' Mounting Height



**SCL255MA**  
M250/U  
20,500 Lumens  
14' Mounting Height

Co-Efficients of Utilization (Zonal Cavity Method) RF = .20												
RC	70	50	30	10	50	30	10	50	30	10	50	0
RW	70	50	30	10	50	30	10	50	30	10	50	0
1	78	75	72	70	72	69	67	65	66	65	63	62
2	72	67	63	60	64	61	58	62	59	57	60	58
3	66	60	55	52	58	54	51	56	53	50	54	52
4	62	54	49	45	53	48	45	51	47	44	50	46
5	57	49	44	40	48	43	39	47	42	39	45	42
6	53	45	39	35	44	39	35	43	38	35	42	38
7	50	41	36	32	40	35	31	39	35	31	38	34
8	46	38	32	28	37	32	28	36	31	28	35	31
9	43	35	29	26	34	29	26	33	29	26	32	28
10	41	32	27	23	31	26	23	30	26	23	30	29

Co-Efficients of Utilization (Zonal Cavity Method) RF = .20												
RC	70	50	30	10	50	30	10	50	30	10	50	0
RW	70	50	30	10	50	30	10	50	30	10	50	0
1	70	67	65	63	65	63	61	62	60	59	60	58
2	65	60	57	54	58	55	52	56	54	51	54	52
3	60	54	50	47	53	49	46	51	48	45	49	47
4	56	49	45	41	48	44	40	46	43	40	45	42
5	52	45	40	36	43	39	36	42	38	35	41	38
6	48	41	36	32	40	35	32	39	35	32	38	34
7	45	37	32	29	36	32	29	36	32	29	35	31
8	42	34	29	26	34	29	26	33	29	26	32	28
9	39	32	27	24	31	27	24	30	26	23	30	26
10	37	29	25	22	29	24	21	28	24	21	28	24

DISTANCES ARE SHOWN IN UNITS OF MOUNTING HEIGHTS

### FOOTCANDLE CORRECTION

For Lamps/Watts other than those in tables, multiply footcandle values times the following factor:

$$\text{FACTOR} = \frac{(\text{Desired Lamp Lumens})}{(\text{Shown Lamp Lumens})}$$

### FOOTCANDLE CORRECTION

Multiply the factor below times the footcandle values for mounting heights other than 14 feet:

$$\text{FACTOR} = \frac{225}{(\text{Actual Mtg Height})^2}$$

## SUGGESTED SPECIFICATIONS

Fixture housing is fabricated from formed steel, welded for strength and durability. It is finished with white Duraplex II polyester powder coat for a finish that is highly resistant to chalking and deterioration. Reinforced slide-in lens design allows for easy relamping. Ballast components are rigidly mounted on a heavy-duty ballast bracket that is welded directly to the housing for maximum heat transfer and strength. Lamp sockets are nickel plated "lamp grip" type with a spring loaded center contact. Sockets are 4KV pulse rated.

Anodized aluminum, high reflectance lighting sheet is used with the primary reflector and ballast cover/secondary reflector to provide high efficiency and long life without significant deterioration. A high impact resistant, "double prism" injection molded acrylic refractor gives excellent light distribution. Field rotatable optics switch from symmetrical to asymmetrical distribution. For polycarbonate drop lens, consult factory.

Ballast components are easily accessed through the lamp compartment and can be reached through a removable ballast cover. The ballasts

are high power autotransformer type (CWA) with copper windings. Winding insulation is Class H (180° C) and capable of operating lamps at -20°F for Metal Halide and -40°F for HPS. All ballast components are 100% tested to assure reliability and maximum performance.

The SCL will accept any type of mogul screw base HPS or Metal Halide lamp of the prescribed wattage.

Fixture is intended for mounting to concrete or steel only.



© 2013 Koninklijke Philips Electronics N.V. All rights reserved.  
Specifications are subject to change without notice.  
[www.philips.com/luminaires](http://www.philips.com/luminaires)

05/13

Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
Phone: 855-486-2216

Philips Lighting Company  
281 Hillmount Road  
Markham ON, Canada L6C 2S3  
Phone: 800-668-9008