Strong Connect
LED Modular Linear Lighting System

SCHMITZ

DESCRIPTION

The Schmitz Strong Connect is a multi-functional modular linear lighting system that provides creative and practical design solutions for a wide variety of interior applications. The trunking forms the backbone to accept snap-in modules for general illumination and accent lighting, as well as accommodating non-lighting functions such as occupancy or daylight sensors within a single system. A selection of trunking connectors allows the system to be designed for continuous linear runs or in square, rectangular, or crisscross grid patterns to highlights areas of interest. The Strong Connect system is suitable for retail, warehousing, data centers, office, and hospitality settings. The system offers surface or suspended mounting options, as well as a choice of light distributions to satisfy the needs of many lighting applications.

Date: _____ Type: _____ Catalog Number: _____

Project Name: _____

CONFIGURING YOUR SYSTEM

Contact Schmitz for assistance in configuring your system at DesignServices@exp-brands.com or call (864) 487-3535 ext. 258
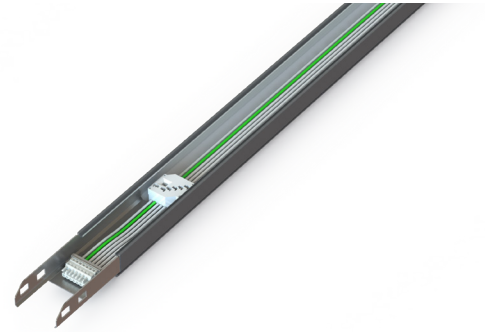
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ORDERING INFORMATION

TRUNKING

MODEL	WIRING		LENGTH	FINISH
SC Strong Connect Trunking	7W 7-Wire System	2 1.8 ft	8 7.4 ft	BL Black
		4 3.7 ft	12 11.1 ft	WH White
		6 5.5 ft		

LIGHT MODULES

MODEL	LUMEN OUTPUT	CRI[1]	CCT	VOLTAGE[2]	OPTIC[3]	LENGTH	FINISH	OPTION
SC SC Light Modules	SO Standard Output	80 80CRI	30K 3000K	UNV 120-277v	DA Double Asymmetric	4 3.7 ft	BL Black	EM* Emergency Battery Backup
	HO High Output		35K 3500K	347 347v	DF Diffused	6 5.5 ft	WH White	EM-NL* Emergency Battery Backup with Night Light
			40K 4000K		WW Wall Wash	8 7.4 ft		

[1] Contact factory for additional CRI options

[3] Contact factory for narrow, medium, and wide beam distributions

[2] Includes 0-10v dimming as standard

* EM Emergency Battery Backup not available in 4ft length or 347v

Double Asymmetric or
Wall Wash Module
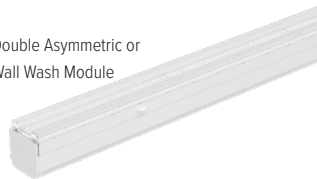
Diffused Light Module

SENSORS

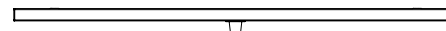| MODEL	WIRING	LENGTH	FINISH
SC-D Daylight Sensor	7W 7-Wire	2 1.8 ft	BL Black
SC-O Occupancy Sensor			WH White
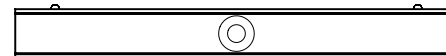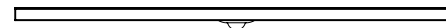
Occupancy Sensor

Daylight Sensor

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ORDERING INFORMATION

ACCENT MODULE - SPOT

MODEL	# OF SPOTS	LUMEN OUTPUT	CRI	CCT	VOLTAGE¹	OPTIC²	LENGTH	FINISH	OPTION
SC-S SC Spot	1 Single Spot	SO Standard Output 15W (~1900lm) per head	90 90CRI	30K 3000K	UNV 120-277v	NB Narrow Beam 15°	2 1.8 ft	BL Black	DF Diffused Lens
	2 Double Spot	HO High Output 24W (~2900lm) per head		35K 3500K		MB Medium Beam 23°		WH White	
				40K 4000K		WB Wide Beam 60°			

¹ Includes 0-10v dimming as standard   ² Contact factory for narrow, medium, and wide beam distributions

LUMEN OUTPUT TABLE (per spot)			
	3000K	3500K	4000K
STANDARD OUTPUT	1910	1987	2065
HIGH OUTPUT	2911	3028	3146

ACCENT MODULE - WALL WASH

MODEL	CRI	CCT	VOLTAGE	OPTIC	LENGTH	FINISH
SC-W SC Wall Wash	90 90 CRI	30K 3000K	UNV 120 - 277v	WB Wide Beam 60°	2 1.8 ft	BL Black
		35K 3500K				WH White
		40K 4000K				

ACCENT MODULE - GOBO PROJECTOR (NOTE: Projector, Lens, and E-size Gobo must be ordered separately to determine final GOBO Projector configuration.)

MODEL (Projector)	LED	CCT	VOLTAGE	FINISH
SC-GBI SC Gobo Projector Indoor	20W 20 Watts	70K 7000K +/- 500K	UNV 120 - 277V	BL Black
				WH White

MODEL (Lens)	LENS	FINISH
GBL* Gobo Projection Lens	F140 Narrow f=140mm, 10° (Standard)	BL Black
	F100 Semi-Narrow f=100mm, 15°	WH White
	F70** Medium f=70mm, 20°	
	F56 Wide f=56mm, 25°	
	F28** Ultra Wide f=28mm, 45°	
	** Medium and Ultra-wide distributions on request with extended lead times	

MODEL (Gobo)	GOBO SUBSTRATE	PATTERN
GBG E Size Gobo	M Metal	01 Stop Sign
	GBW Glass - Black & White	02 Restricted Area
	GGS Glass - Grayscale	03 Caution
	G1C Glass - One Color	04 Eye Protection Area
	G2C Glass - Two Color	05 Restricted Area
	G3C Glass - Three Color	CD* Custom Design
	GFC Glass - Full Color	

*Artwork for custom patterns/logos must be provided in vector format (.EPS, .AI, or .SVG).

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ORDERING INFORMATION

ACCESSORIES (CONTACT FACTORY FOR CUSTOM COLOR)	
MODEL	**DESCRIPTION**
START MIDDLE AND END TRUNKING	
SC-7W-ST-2-BL	Start trunk, 2ft, Black Finish
SC-7W-ST-2-WH	Start trunk, 2ft, White Finish
SC-7W-ET-2-BL	End trunk, 2ft, Black Finish
SC-7W-ET-2-WH	End trunk, 2ft, White Finish
SC-7W-M-2-BL	Mid Feed Trunk, 2ft, Black Finish
SC-7W-M-2-WH	Mid Feed Trunk, 2ft, White Finish
BLIND PLATE	
SC-BP-2-BL	Blind Plate, 2ft, Black Finish
SC-BP-2-WH	Blind Plate, 2ft, White Finish
SC-BP-4-BL	Blind Plate, 4ft, Black Finish
SC-BP-4-WH	Blind Plate, 4ft, White Finish
SC-BP-6-BL	Blind Plate, 6ft, Black Finish
SC-BP-6-WH	Blind Plate, 6ft, White Finish

SC-7W-ET-2-WH
SC-7W-M-2-WH
SC-7W-ST-2-WH

SC-BP-6-WH
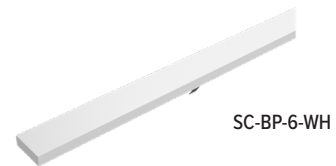
MOUNTING COMPONENTS *Contact factory for mounting to T-grid ceilings	
SC-FM	Flush Mount
SC-SM	Semi Flush Mount

SC-FM   SC-SM

| **SUSPENSION KIT**	
SC-AIR-20-LOOP	Stainless steel aircraft cable - 20ft w/ Loop, Luminaire Mounting Bracket
SC-AIR-20-SAMMY20GA	Stainless steel aircraft cable - 20ft w/ Sammy Screw for 20GA Steel, Luminaire Mounting Bracket
SC-AIR-20-SAMMY20WD	Stainless steel aircraft cable - 20ft w/ Sammy Screw for Wood, Luminaire Mounting Bracket
SC-AIR-20-SAMMY20CNCRT	Stainless steel aircraft cable - 20ft w/ Sammy Screw for Concrete, Luminaire Mounting Bracket

SC-AIR-20-LOOP

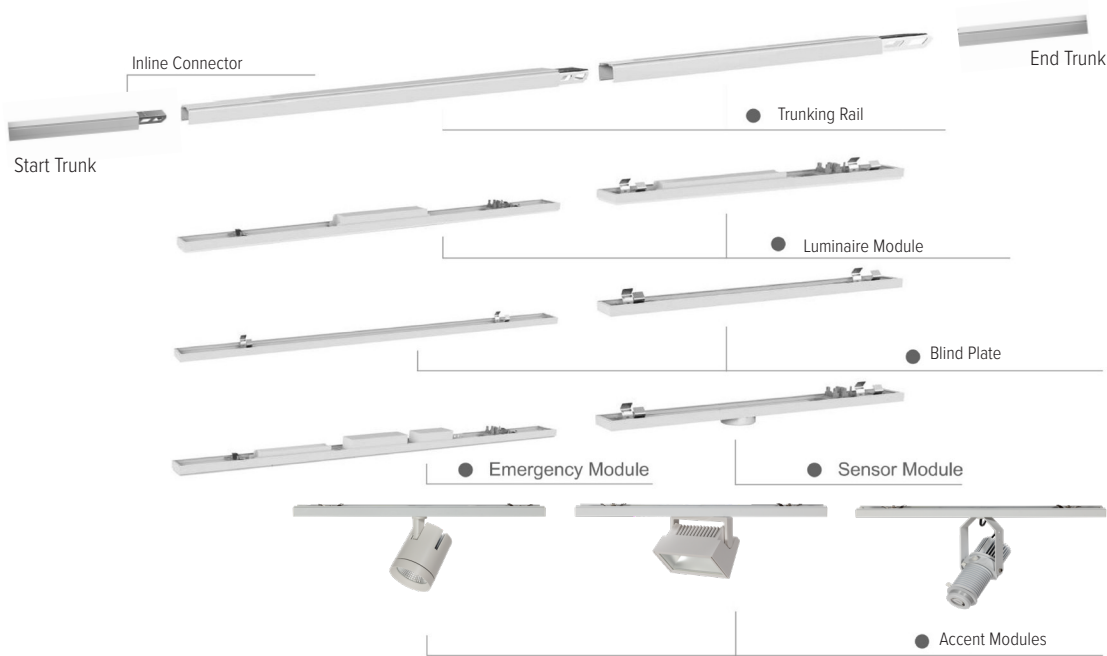| **ACCESSORIES** (CONTACT FACTORY FOR CUSTOM COLOR)	
MODEL	**DESCRIPTION**
CANOPY KITS (Power supply cable sold separately)	
SC-CK-2-SO-BL	Canopy kit, 2" diameter, suspension only, black finish*
SC-CK-2-SO-WH	Canopy kit, 2" diameter, suspension only, white finish*
SC-CK-5-PO-BL	Canopy kit, 5" diameter, power only non suspension, black finish
SC-CK-5-PO-WH	Canopy kit, 5" diameter, power only non suspension, white finish
SC-CK-5-PS-BL	Canopy kit, 5" diameter, power and suspension, black finish*
SC-CK-5-PS-WH	Canopy kit, 5" diameter, power and suspension, white finish*

SC-CK-5-PO-WH
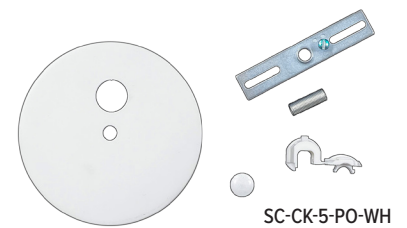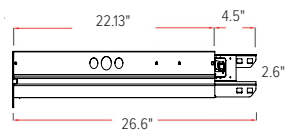
*Includes 20' SS Cable, Luminarie Mounting Bracket & Connectors

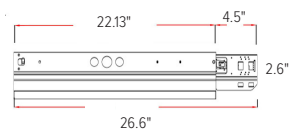| **ELECTRICAL COMPONENTS**	
SC-CG-BL	Cord grip, Black
SC-CG-WH	Cord grip, White
SC-PSC-5C-10-BL	Power Supply Cable, 5 Conductor, 10ft, Black Finish
SC-PSC-5C-10-WH	Power Supply Cable, 5 Conductor, 10ft, White Finish
SC-PSC-5C-20-BL	Power Supply Cable, 5 Conductor, 20ft, Black Finish
SC-PSC-5C-20-WH	Power Supply Cable, 5 Conductor, 20ft, White Finish

SC-CG-BL

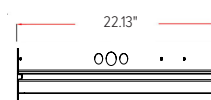**EXPERIENCE** BRANDS®

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WHOLE SYSTEM OVERVIEW

Inline Connector

End Trunk

Start Trunk

● Trunking Rail

● Luminaire Module

● Blind Plate

● Emergency Module

● Sensor Module

● Accent Modules

CONNECTORS

22.13"   4.5"

2.6"

26.6"

Start Trunk

22.13"   4.5"

2.6"

26.6"

Mid Feed

22.13"

End Trunk

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FEATURES

ITEM	DETAILS				
GENERAL					
Trunking Rail (Nominal)	2FT	4FT	6FT	8FT	11FT
Luminaire Module (Nominal)		4FT	6FT	8FT	
Length of module		3' 8 ¼"	5' 6 ⅜"	7' 4 ½"	
Wattage		34W & 48W	50W & 72W	67W & 95W	
Lumens/Foot*	1250 or 1800				
Luminous Efficacy	Up To 150LM/W				
Color Temperature	3000K, 3500K, 4000K				
CRI	>80				
UGR	<19 (Double asymmetric) * Not Applicable to Wall Wash or Diffused				

*Contact factory for custom lumen ouput

OPTICAL	
Lens	Clear prismatic PMMA for Double Asymmetric & Wall Wash Smooth white polycarbonate for Diffused
Beam Angle	Diffused: 130° Double Asymmetric 25° Wall Wash 25°
Light emission	Direct Distribution
Service Life	L90B50 = 50,000hrs @25°C

MATERIAL & COLOR	
Module	Steel
Trunking Rail	Steel
Lens	PMMA or Polycarbonate depending on distribution
Color	White or Black (Custom RAL available upon request with extended lead times)

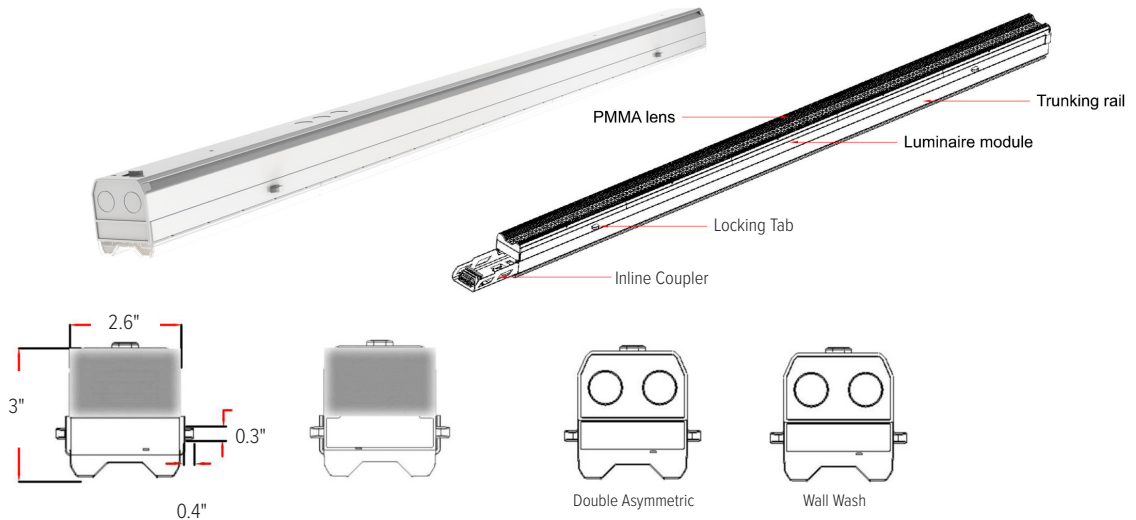|	
ELECTRICAL	
Input Voltage	120-277v
Cable	Pre-Wired Inside of Trunking Rail, 2.5mm^2 PVC Indoor Cable
Power Feed	Start or Middle Feed
Power Factor	>0.9
Control Options	0-10V Dimming, Motion & Daylight Sensor, Emergency Battery Backup
Certification	CSA, DLC Pending
Protection Rating	IP50
Ambient Operating Temperature	-25°C to 45°C (-13°F to 113°F)

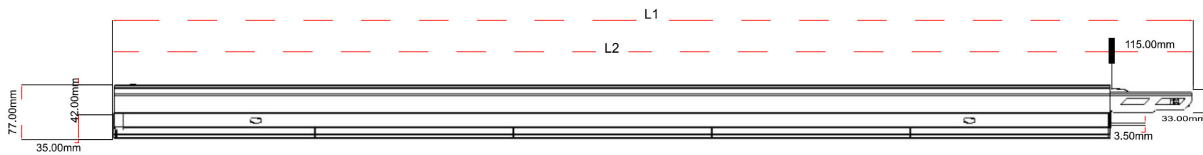|		
DIMENSION & MOUNTING		
Width/Height Of Luminaire Module	Double Asymmetric & Wall Wash: 2.6"w x 1.4"H	Diffused: 2.6"w x 2.2"h
Width/Height of Trunking Rail	2.6"w x 1.7"h	
Weight	4FT: 7lbs / 6FT: 10.5lbs / 8FT: 14lbs	1 Set = 1 Module + 1 Trunking Rail

DOUBLE ASYMMETRIC / WALL WASH

PMMA lens
Trunking rail
Luminaire module
Locking Tab
Inline Coupler

2.6"
3"
0.3"
0.4"

Double Asymmetric
Wall Wash

Top View

L1
L2
115.00mm
77.00mm
42.00mm
35.00mm
33.00mm
3.50mm

Side View

MODULE LENGTH				
LENGTH	L1 MODULE LENGTH W/CONNECTOR	L2 MODULE LENGTH	WIDTH	HEIGHT
4 FT	4' ¾"	3' 8 ¼"	2.6"	3"
6 FT	5' 10 ⅞"	5' 6 3/8"	2.6"	3"
8 FT	7' 9"	7' 4 ½"	2.6"	3"

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DIFFUSED

PC Lens
Trunking rail
Luminaire module
Locking Tab
Inline Coupler

ISO View

2.6"

3.9"

Top View

L1
L2
115.00mm
99.00mm
42.00mm
57.00mm
33.00mm
3.50mm
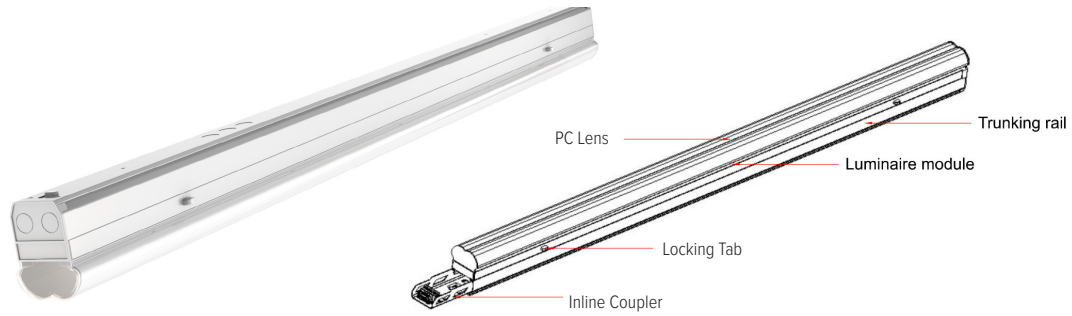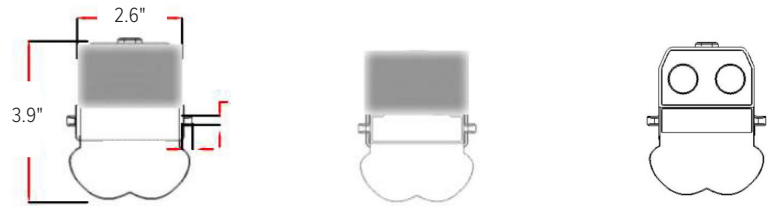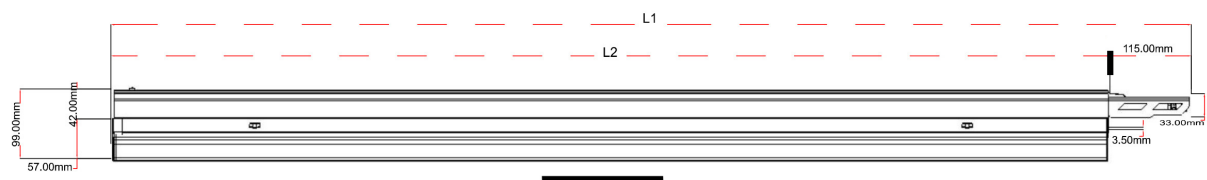
Front View

MODULE LENGTH				
LENGTH	L1 MODULE LENGTH W/CONNECTOR	L2 MODULE LENGTH	WIDTH	HEIGHT
4 FT	4' ¾"	3' 8 ¼"	2.6"	3.9"
6 FT	5' 10 ⅞"	5' 6 3/8"	2.6"	3.9"
8 FT	7' 9"	7' 4 ½"	2.6"	3.9"

Locking Tab
Lock
Unlock

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MOUNTING OPTIONS

2" Canopy Kit 360°
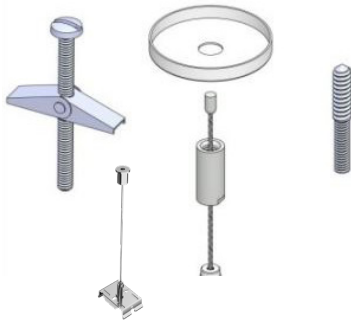
5" Power & Suspension Canopy Kit
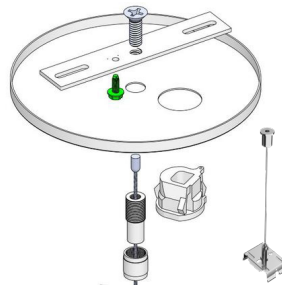
5" Power Canopy Kit 360° - Non suspension
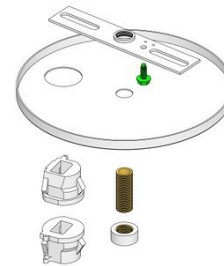
Mounting Components
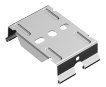
Looped Cable

Flush Mount   Semi Flush Mount
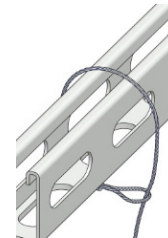
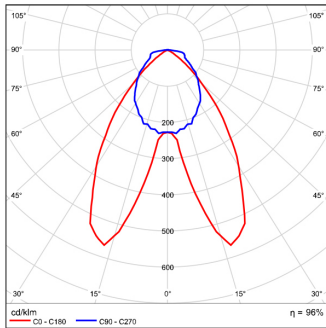| SAMMY FOR STEEL - Vertical Application						
ROD SIZE	PART NUMBER	MODEL	SCREW DESCRIPTIONS	ULTIMATE PULLOUT (LBS)	MIN THICK	MAX THICK
1/4"	8025957	DST 100	1/4-14 x 1" TEKS 3	446 (20 ga.)	.036"-20 ga	3/16"

SAMMY SCREW

- No pre-drilling required

- Installs into steel range from 20 gauge - 1/2" thickness

- Saves time from traditional methods

- Reduces installation costs

- Quick to install using the sammys nut driver with an 18v cordless drill/driver

- A standard screwgun with a depth sensitive nosepiece should be used to install Teks. for optimal fastener performance, the screwgun should be a minimum of 6 amps and have an rpm range of 0-2500.
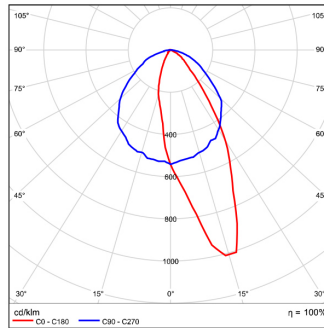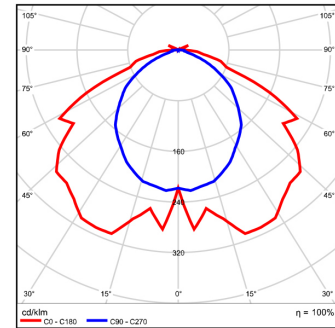
- Manufactured in the USA

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PHOTOMETRICS

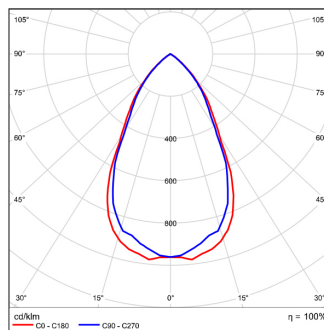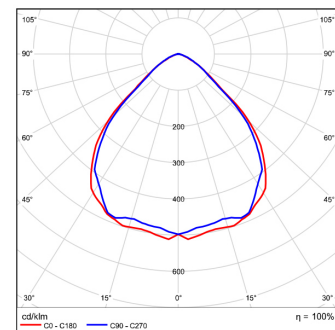## CANDELA DISTRIBUTION FOR LINEAR MODULES

Double Asymmetric

Wall Wash

Diffused
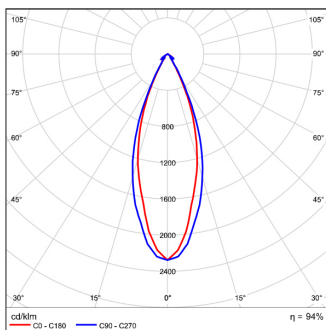
Narrow Beam*

Medium Beam*

Wide Beam*

*Narrow, Medium, and Wide Beams on request only

Module	Lumens per Foot	Delivered Lumens	Wattage	Efficacy (lm/W)
4 FT	1250	5,000	34w	147
	1800	7,200	48w	150
6 FT	1250	7,500	50w	150
	1800	10,800	72w	150
8 FT	1250	10,100	67w	149
	1800	14,400	95w	152

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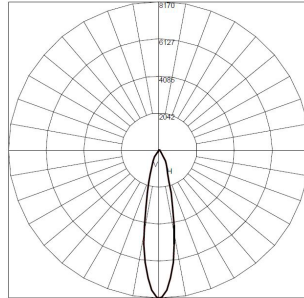## CANDELA DISTRIBUTION FOR SINGLE SPOT AND WALL WASH MODULES

STANDARD OUTPUT (LOW)

PHOTOMETRIC FILENAME : SC-S-1-L-UNV-930-NB.IES
SC SPOT NARROW BEAM 15°
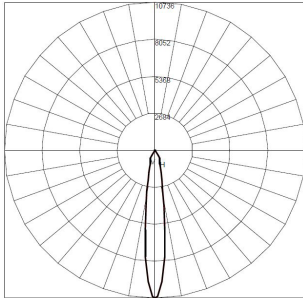
Maximum Candela =10736.01 Located At Horizontal Angle = 0,
Vertical Angle = 0
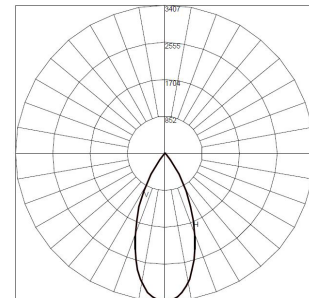H - Horizontal Axial Candela
V - Vertical Axial Candela

PHOTOMETRIC FILENAME : SC-S-1-L-UNV-930-MB.IES
SC SPOT MEDIUM BEAM 23°

Maximum Candela = 8169.715 Located At Horizontal Angle = 0,
Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

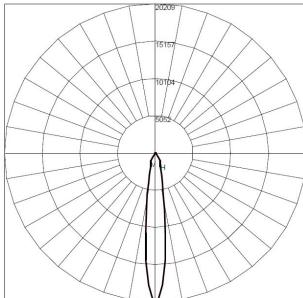PHOTOMETRIC FILENAME : SC-S-1-L-UNV-930-WB.IES
SC SPOT WIDE BEAM 60°

Maximum Candela = 3407.189 Located At Horizontal Angle = 0,
Vertical Angle = 0
H - Horizontal Axial Candela
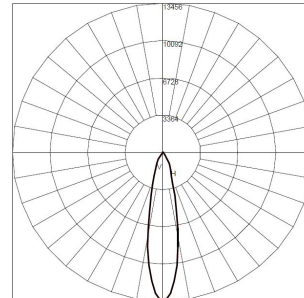V - Vertical Axial Candela

HIGH OUTPUT

PHOTOMETRIC FILENAME : SC-S-1-H-UNV-930-NB.IES
SC SPOT NARROW BEAM 15°

Maximum Candela = 20208.96 Located At Horizontal Angle = 0,
Vertical Angle = 0
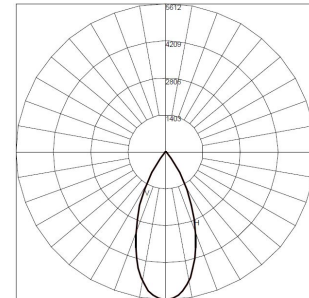H - Horizontal Axial Candela
V - Vertical Axial Candela

PHOTOMETRIC FILENAME : SC-S-1-H-UNV-930-MB.IES
SC SPOT MEDIUM BEAM 23°

Maximum Candela = 13456 Located At Horizontal Angle = 0,
Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

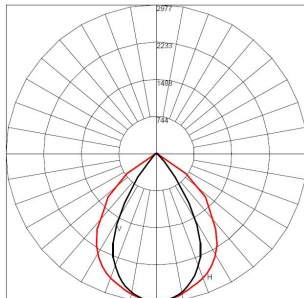PHOTOMETRIC FILENAME : SC-S-1-H-UNV-930-WB.IES
SC SPOT WIDE BEAM 60°

Maximum Candela = 5611.84 Located At Horizontal Angle = 0,
Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

WALL WASH

PHOTOMETRIC FILENAME : BDWA-930-WB.IES
SC WALL WASH

Maximum Candela = 2976.867 Located At Horizontal Angle = 0,
Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

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