

# STRONG CONNECT®

## LED Modular Linear Lighting System



### DESCRIPTION

The Nordeon 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 highlight 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 Nordeon USA for assistance in configuring your system via email at [DesignServices@exp-brands.com](mailto:DesignServices@exp-brands.com) or phone at (864) 487-3535 ext. 258.



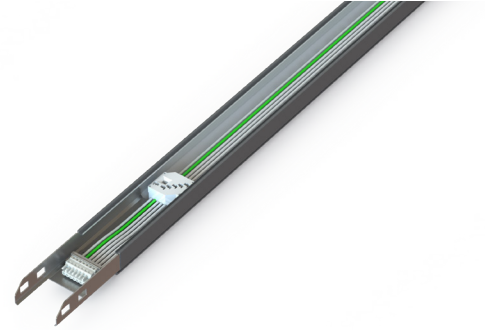
# STRONG CONNECT®

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### ORDERING INFORMATION

#### TRUNKING

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



#### LIGHT MODULES

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

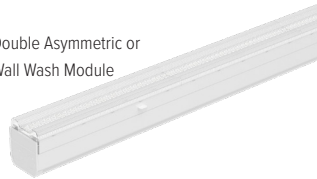
<sup>1</sup> Contact factory for additional CRI options

<sup>2</sup> Includes 0-10v dimming as standard

<sup>3</sup> Contact factory for narrow, medium, and wide beam distributions

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

Double Asymmetric or  
Wall Wash Module



Diffused Light Module

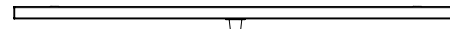


#### SENSORS

MODEL	LENGTH	FINISH
SC-D Daylight Sensor	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	VOLTAGE <sup>1</sup>	OPTIC <sup>2</sup>	LENGTH	FINISH	OPTION
SC-S	1	SO	90	30K	UNV	NB	2	BL	DF
SC Spot	Single Spot	Standard Output 16W (~1900lm) per head	90CRI	3000K	120-277v	Narrow Beam 15°	1.8 ft	Black	Diffused Lens
	2	HO		35K		MB		WH	
	Double Spot	High Output 25W (~2900lm) per head		3500K		Medium Beam 23°		White	
				40K		WB			
				4000K		Wide Beam 60°			

<sup>1</sup> Includes 0-10v dimming as standard

<sup>2</sup> Contact factory for narrow, medium, and wide beam distributions



DELIVERED LUMENS (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	90	30K	UNV	WB	2	BL
SC Wall Wash	90 CRI	3000K	120 - 277v	Wide Beam 60°	1.8 ft	Black
		35K				WH
		3500K				White
		40K				
		4000K				



DELIVERED LUMENS / POWER
~5500 LUMENS @ 41 WATTS

#### 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	20W	70K	UNV	BL
SC Gobo Projector Indoor	20 Watts	7000K +/- 500K	120 - 277V	Black
				WH
				White

MODEL (Lens)	LENS	FINISH	MODEL (Gobo)	GOBO SUBSTRATE	PATTERN
GBL*	F140	BL	GBG	M	01
Gobo Projection Lens	Narrow f=140mm, 10° (Standard)	Black	E Size Gobo	Metal	Stop Sign
	F100	WH		GBW	02
	Semi-Narrow f=100mm, 15°	White		Glass - Black & White	Restricted Area
	F70**			GGG	03
	Medium f=70mm, 20°			Glass - Grayscale	Caution
	F56			G1C	04
	Wide f=56mm, 25°			Glass - One Color	Eye Protection Area
	F28**			G2C	05
	Ultra Wide f=28mm, 45°			Glass - Two Color	Restricted Area
	** Medium and Ultra-wide distributions on request with extended lead times			G3C	CD*
				Glass - Three Color	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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### ACCESSORIES (CONTACT FACTORY FOR CUSTOM COLOR)

MODEL	DESCRIPTION	
<b>START MIDDLE AND END TRUNKING</b>		
SC-7W-ST-2-BL	Start trunk, 2ft, Black Finish	<p>SC-7W-ET-2-WH SC-7W-M-2-WH SC-7W-ST-2-WH</p>
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	
<b>BLIND PLATE</b>		
SC-BP-2-BL	Blind Plate, 2ft, Black Finish	<p>SC-BP-6-WH</p>
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	
<b>MOUNTING COMPONENTS</b> *Contact factory for mounting to T-grid ceilings		
SC-FM	Flush Mount	<p>SC-FM SC-SM</p>
SC-SM	Semi Flush Mount	
<b>SUSPENSION KIT</b>		
SC-AIR-20-LOOP	Stainless steel aircraft cable - 20ft w/ Loop, Luminaire Mounting Bracket	<p>SC-AIR-20-LOOP</p>
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	

### ACCESSORIES (CONTACT FACTORY FOR CUSTOM COLOR; ITEMS WITH \* INCLUDE 20' SS CABLE, LUMINARIE MOUNTING BRACKET & CONNECTORS)

MODEL	DESCRIPTION	
<b>CANOPY KITS (Power supply cable sold separately)</b>		
SC-CK-2-SO-BL	Canopy Kit, 2" Diameter, Suspension Only, Black Finish*	<p>SC-CK-5-PO-WH</p>
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*	

### ELECTRICAL COMPONENTS

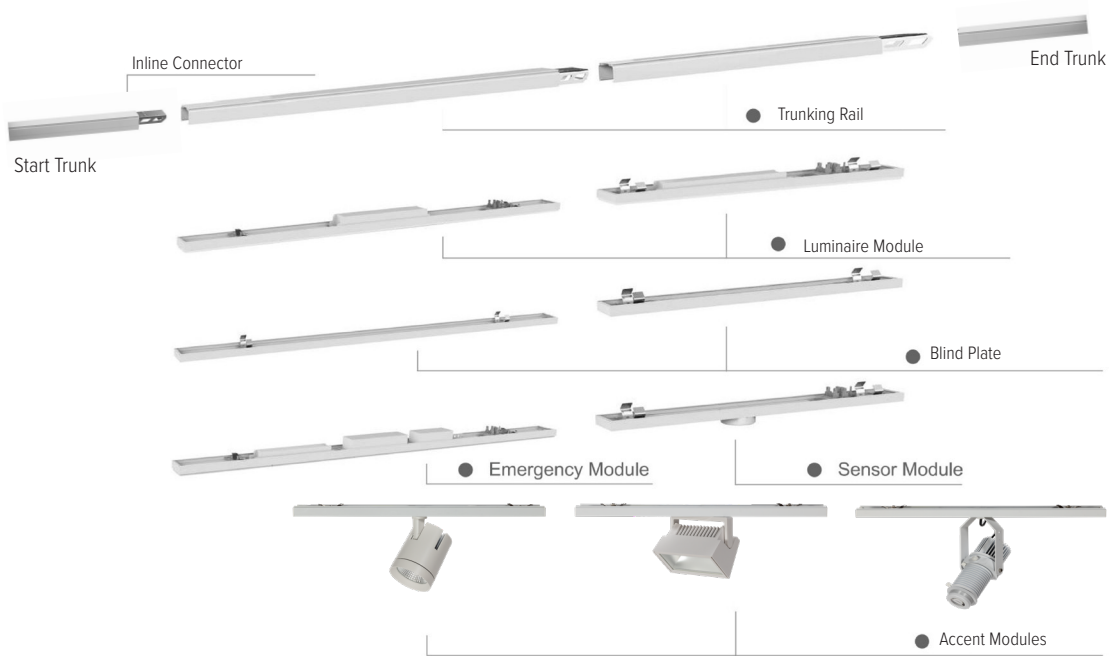
SC-CG-BL	Cord Grip, Black	<p>SC-CG-BL</p>
SC-CG-WH	Cord Grip, White	
SC-PSC-5C-10-BL	Power Supply Cable, 5 Conductor, 10ft, Black Finish	
SC-PSC-5C-10-WH	Power Supply Cable, 5 Conductor, 10ft, White Finish	
SC-PSC-5C-20-BL	Power Supply Cable, 5 Conductor, 20ft, Black Finish	
SC-PSC-5C-20-WH	Power Supply Cable, 5 Conductor, 20ft, White Finish	
SC-PSC-6C-20-BL	Power Supply Cable, 6 Conductor, 20ft, Black Finish	
SC-PSC-6C-20-WH	Power Supply Cable, 6 Conductor, 20ft, White Finish	

# STRONG CONNECT<sup>®</sup>

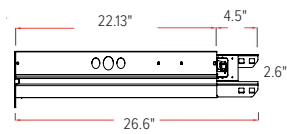
## LED Modular Linear Lighting System



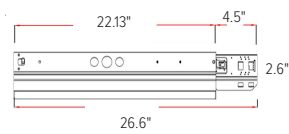
### WHOLE SYSTEM OVERVIEW



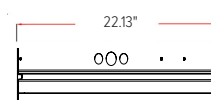
### CONNECTORS



Start Trunk



Mid Feed



End Trunk



### FEATURES

ITEM	DETAILS				
<b>GENERAL</b>					
Trunking Rail (Nominal)	2FT	4FT	6FT	8FT	11FT
Luminaire Module (Nominal)		4FT	6FT	8FT	
Length of Module		3' 8 1/4"	5' 6 3/8"	7' 4 1/2"	
Wattage		31W & 42W	47W & 63W	62W & 84W	
Lumens/Foot*	1100 or 1500				
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 output

<b>OPTICAL</b>	
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

<b>MATERIAL &amp; COLOR</b>	
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)

<b>ELECTRICAL</b>	
Input Voltage	120-277v
Cable	Pre-Wired Inside of Trunking Rail, 2.5mm <sup>2</sup> 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)

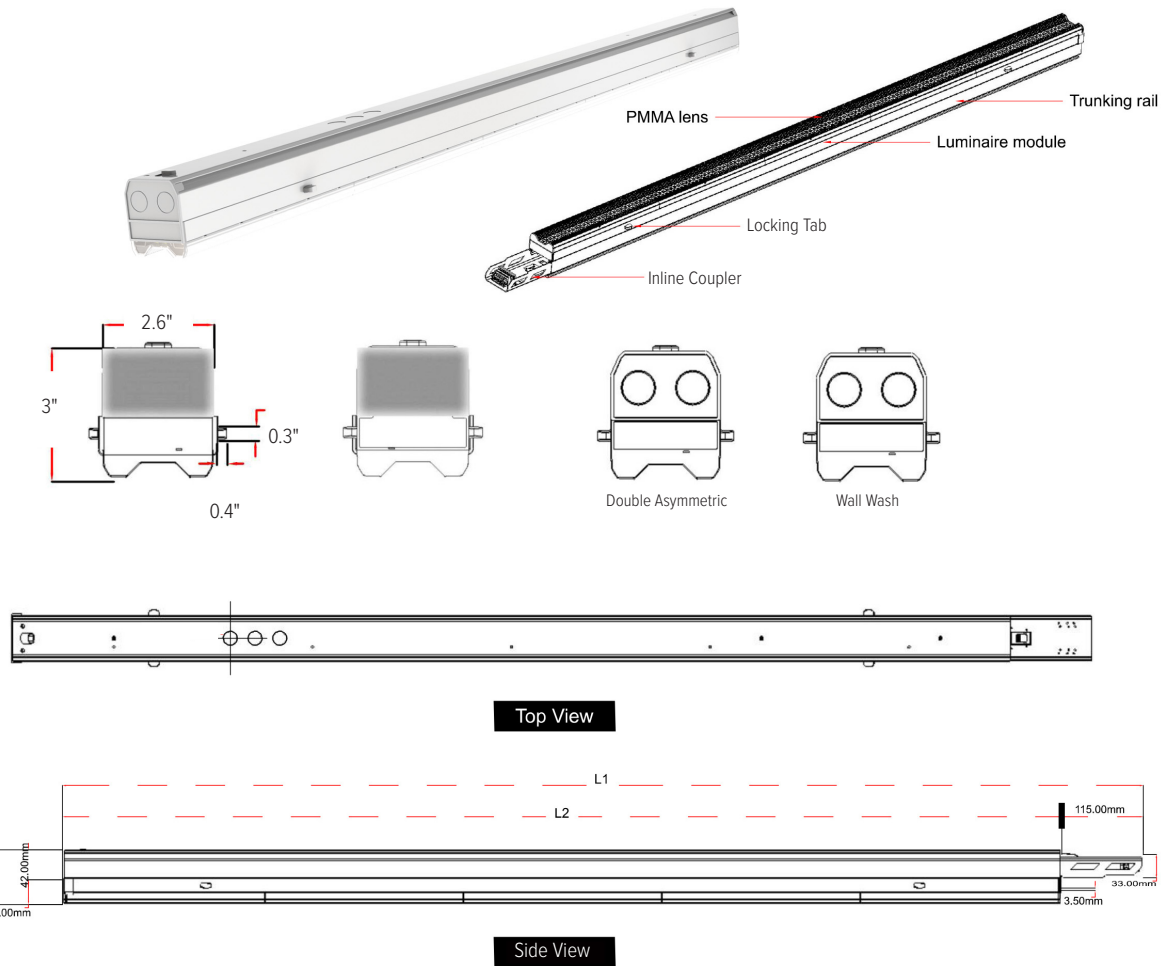
<b>DIMENSION &amp; MOUNTING</b>		
Width/Height Of Luminaire Module	Double Asymmetric & Wall Wash: 2.6"w x 1.4"H	Diffused: 2.6"w x 2.2"h
Width/Height of Trunking Rail	2.6"w x 1.7"h	
Weight	4FT: 7lbs / 6FT: 10.5lbs / 8FT: 14lbs	1 Set = 1 Module + 1 Trunking Rail

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### DOUBLE ASYMMETRIC / WALL WASH



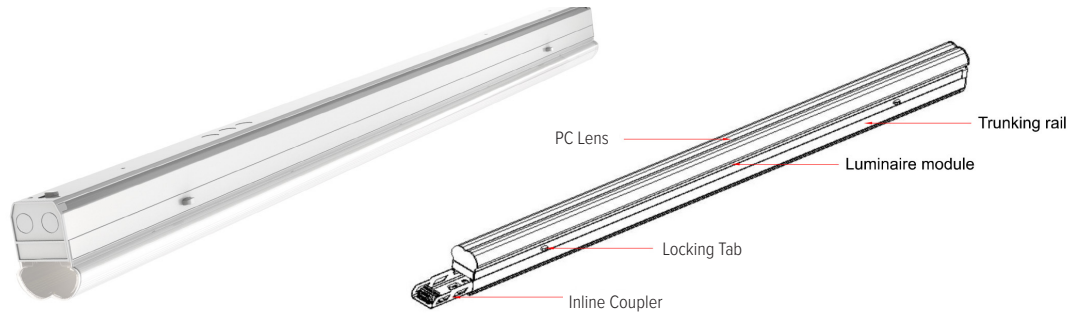
#### MODULE LENGTH

LENGTH	L1 MODULE LENGTH W/CONNECTOR	L2 MODULE LENGTH	WIDTH	HEIGHT
4 FT	4' 3/4"	3' 8 1/4"	2.6"	3"
6 FT	5' 10 7/8"	5' 6 3/8"	2.6"	3"
8 FT	7' 9"	7' 4 1/2"	2.6"	3"

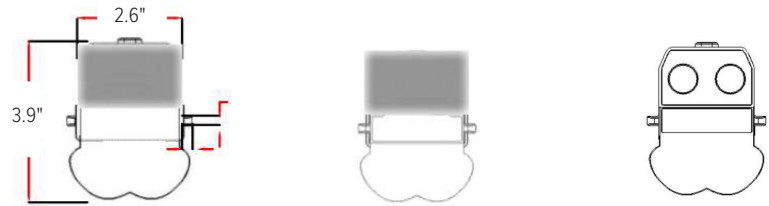
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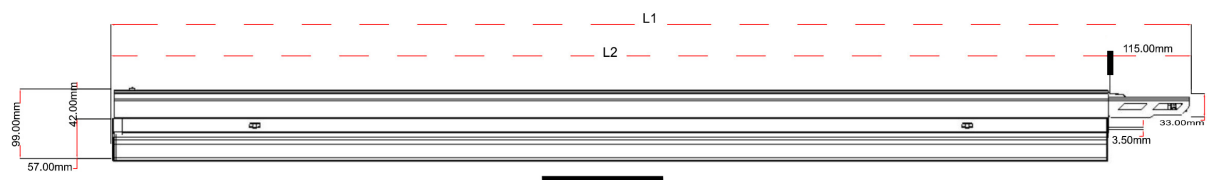
DIFFUSED



ISO View



Top View



Front View

**MODULE LENGTH**

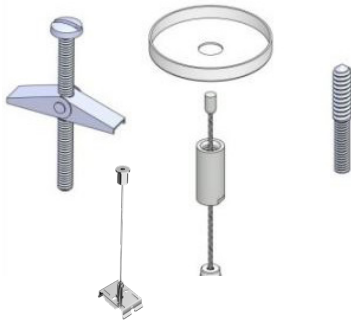
LENGTH	L1 MODULE LENGTH W/CONNECTOR	L2 MODULE LENGTH	WIDTH	HEIGHT
4 FT	4' 3/4"	3' 8 1/4"	2.6"	3.9"
6 FT	5' 10 7/8"	5' 6 3/8"	2.6"	3.9"
8 FT	7' 9"	7' 4 1/2"	2.6"	3.9"



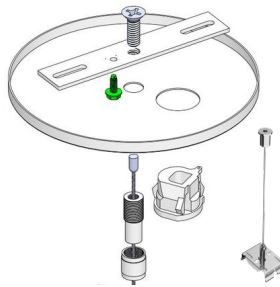


## MOUNTING OPTIONS

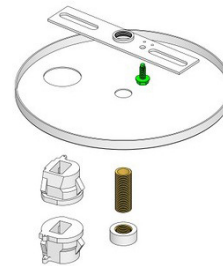
### 2" Canopy Kit 360°



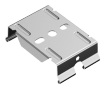
### 5" Power & Suspension Canopy Kit



### 5" Power Canopy Kit 360° - Non-Suspension



### Mounting Components

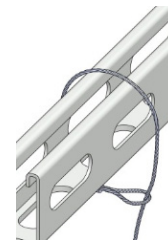


Flush Mount



Semi Flush Mount

### Looped Cable

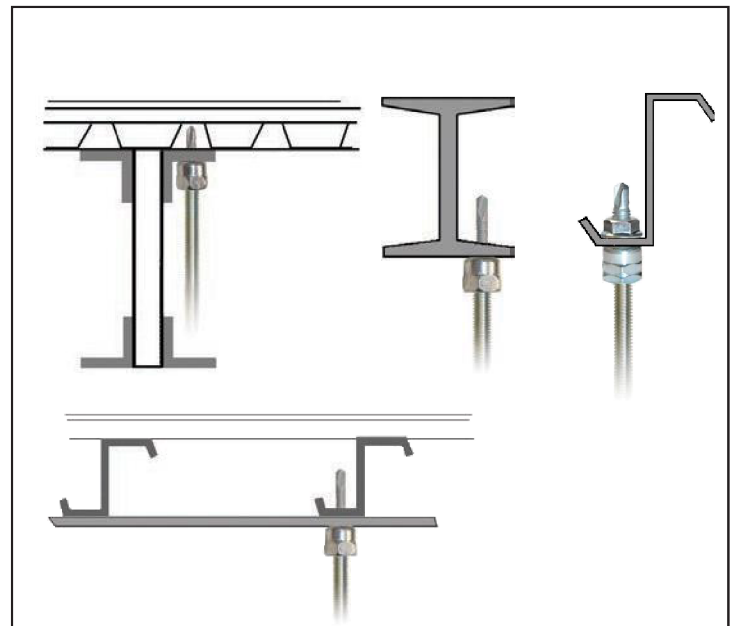


## SAMMY FOR STEEL - Vertical Application

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"

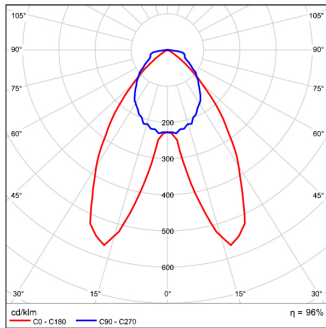
## SAMMY SCREW

- 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 Tekes. 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

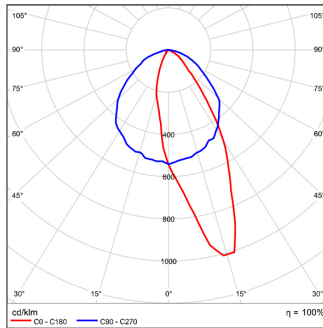


## PHOTOMETRICS

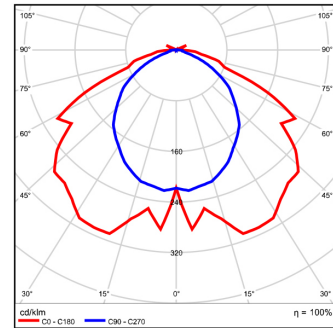
### CANDELA DISTRIBUTION FOR LINEAR MODULES



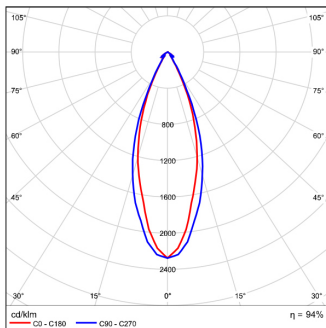
Double Asymmetric



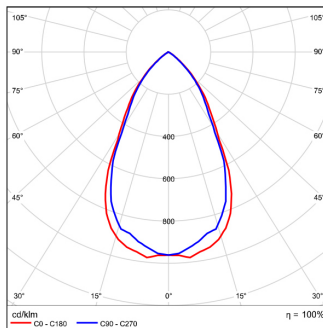
Wall Wash



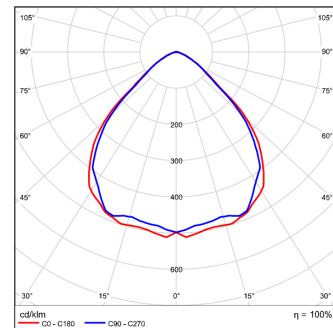
Diffused



Narrow Beam\*



Medium Beam\*



Wide Beam\*

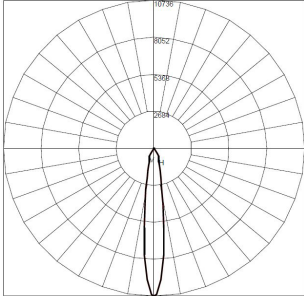
\*Narrow, Medium, and Wide Beams on request only

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

## CANDELA DISTRIBUTION FOR SINGLE SPOT AND WALL WASH MODULES

STANDARD OUTPUT (LOW)

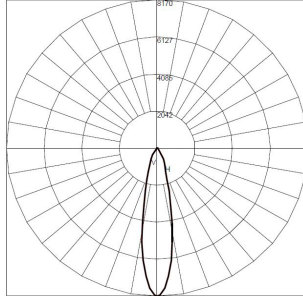
PHOTOMETRIC FILENAME : SC-S-1-L-UNV-930-NB.IES  
SC SPOT NARROW BEAM 15°



Maximum Candela = 10736.01 Located At Horizontal Angle = 0, Vertical Angle = 0

H - Horizontal Axial Candela  
V - Vertical Axial Candela

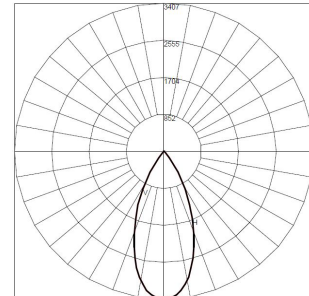
PHOTOMETRIC FILENAME : SC-S-1-L-UNV-930-MB.IES  
SC SPOT MEDIUM BEAM 23°



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°

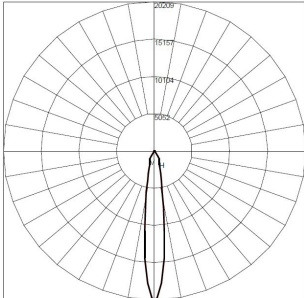


Maximum Candela = 3407.189 Located At Horizontal Angle = 0, Vertical Angle = 0

H - Horizontal Axial Candela  
V - Vertical Axial Candela

HIGH OUTPUT

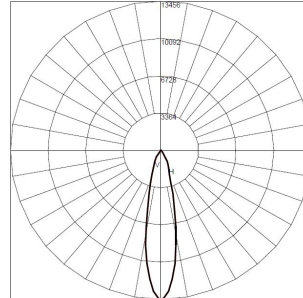
PHOTOMETRIC FILENAME : SC-S-1-H-UNV-930-NB.IES  
SC SPOT NARROW BEAM 15°



Maximum Candela = 20208.96 Located At Horizontal Angle = 0, Vertical Angle = 0

H - Horizontal Axial Candela  
V - Vertical Axial Candela

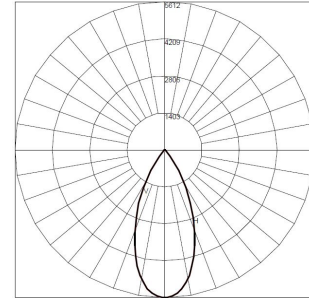
PHOTOMETRIC FILENAME : SC-S-1-H-UNV-930-MB.IES  
SC SPOT MEDIUM BEAM 23°



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°

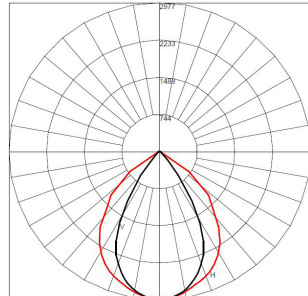


Maximum Candela = 5611.84 Located At Horizontal Angle = 0, Vertical Angle = 0

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