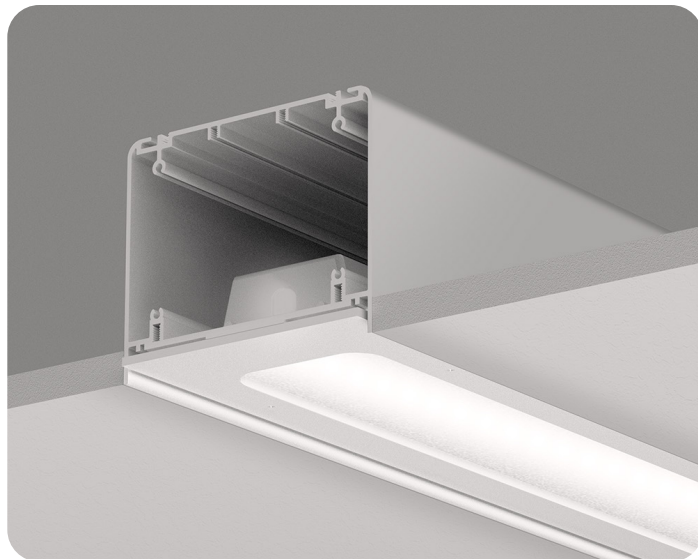


Hydro Beam Recessed

Key Features

- Extruded aluminum single piece housing
- Soft diffuse direct lighting
- Continuous lensing standard – runs up to 50'
- Light levels can be factory set
- 0-10V dimming to 1% is standard
- Efficacy up to 130 lm/W
- Wet Location Rated



Specifications

Construction

- Continuous extruded 6063 T5 aluminum

Dimensions

- Nominal dimensions: 3.6" x 4.4"

Finish

- Powder coated
- Colors: White, Black, Silver, Bronze or Premium Finishes
- Custom colors available. Consult factory for more information.

Luminaire Length

- Standard individual lengths: 2', 4', 6' or 8'
- Fixture and run lengths are available in 1/16" increments.
- Using internal joiners, sections can be joined to form longer, continuous rows.

Source

- CCT options: 2700K, 3000K, 3500K, 4000K, or 5000K
- Within 3 MacAdam ellipses
- 90 CRI (R9 50 min) available

Lensing

- 0.125" thick impact resistant outdoor (F1) rated polycarbonate lens
- Snap-in lens and reflector for easy install

Operating Temperature

- -40°C to 45°C (-40°F to 113°F)

Lithium Ion Battery

- Provides up to 780 lm (6W) or up to 1200 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Dimming Driver

- Osram OPTOTRONIC (OTi) Outdoor LED Driver allows tunable output currents to achieve infinite configurations of output.
- Output current: 0-10V, dim to 1% capable of being wired as a Class 1 or Class 2 circuit

Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- DLC listed
- RoHS (Restriction of Hazardous Substances)
- JA8 compliant
- IP66 (Suitable for wet locations)
- IK10 Impact Protection Rating

Packaging

- Sustainably manufactured outside cardboard box and biodegradable, protective poly-foam luminaire inserts.

Warranty

- 5-year limited warranty.



Ordering Logic

RHYDRO-40-750-SD-35K-80-PW-CB-T-U-1C-1EMB10

Series	Length	Direct Output ¹	Direct Distribution	CCT	CRI
RHYDRO			SD		
	XX - Run Length	250 - 250 LPF	SD - SatinIce Diffuse	27K - 2700K	80 - 80 CRI
	SXX - Symmetrical Run Length	500 - 500 LPF		30K - 3000K	90 - 90 CRI (R9 50 min)
		750 - 750 LPF		35K - 3500K	
		1000 - 1000 LPF		40K - 4000K	
	XXX - Custom LPF			50K - 5000K	

Finish ²	Mounting	Power Entry	Voltage	Circuiting	Emergency
			U		
Standard Powder Coat	Cosmetic Bezel³	T - Top Feed	U - 120-277V	1C - Single Circuit	BLANK - None
PW - White	CB - Screw/Rod Mount	E - End Feed		MC - Multiple Circuits ^{4,5}	EC - Emergency Circuit ⁶
PB - Black	CBY - Yoke Mount	S - Side Feed			#EMB10 - 10W EM Battery ^{7,8}
PS - Silver	Spackle Flange				
PBR - Bronze	SF - Screw/Rod Mount				
Premium	SFY - Yoke Mount				
RALXXX - Powder Coat Gloss Finish	Trimless				
Custom Powder Coat	TR - Screw/Rod Mount				
PO - Powder Other					

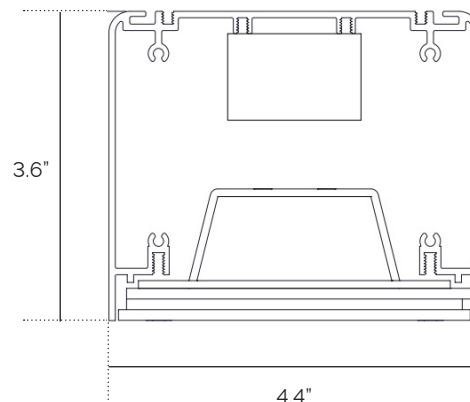
Options

SRG - Surge Protector
MLR - Large Range Motion Sensor⁹

Ordering Notes

- 200 LPF min. output / 1500 LPF max. output.
- See page 3 for standard options.
- Bezel color will match fixture color unless otherwise specified, consult factory for options.
- Customer to specify number of zones and locations through factory submittal drawings.
- Multiple low and line control zones.
- Multiple low voltage control zones for daylight control.
- '#' indicates number per run.
- Provided by Iota/Bodine.
- Motion sensor option removes the ability to dim.

Dimensions



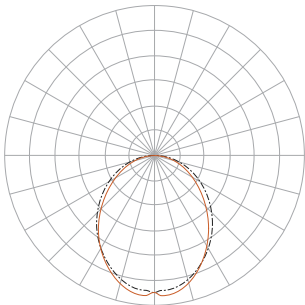
Finishes

Standard



PW: White PB: Black PS: Silver

Distribution



Direct: SatinIce Diffuse (SD)

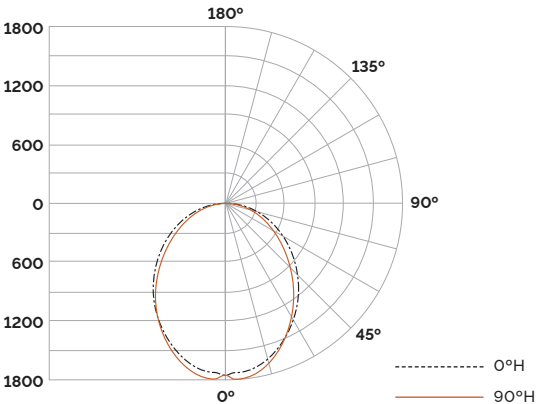
Lumen Packages

Length	Lumens	Input Wattage	LPW
4'	4000	36	110
8'	8000	67	120

NOTE: Based on 3500K CCT. Other CCT available.

Performance

RHYDROD-X-1000-SD (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	4000	37	107
	8'	8000	68	117
3500K	4'	4000	36	110
	8'	8000	67	120
4000K	4'	4000	36	112
	8'	8000	66	122
5000K	4'	4000	35	115
	8'	8000	64	125

Row Configurations

XX (Run Length)

The standard construction of run lengths follows the logic of the table below. Consult factory for additional information. Run lengths always start with the longest fixture and receives the power feed.

NOTE: Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

Total Length (Feet)	# of Sections						
	2	3	4	5	6	7	8
2	1						
3		1					
4			1				
5				1			
6					1		
7						1	
8							1
9			1	1			
10			1		1		
11		1					1
12			1				1
13				1			1
14					1		1
15						1	1
16							2
17			1	1			1
18			1		1		1
19		1					2
20			1				2
21				1			2
22					1		2
23						1	2
24							3
25			1	1			2
26			1		1		2
27		1					3
28			1				3
29				1			3
30					1		3
31						1	3
32							4
33			1	1			3
34			1		1		3
35		1					4
36			1				4
37				1			4
38					1		4
39						1	4
40							5

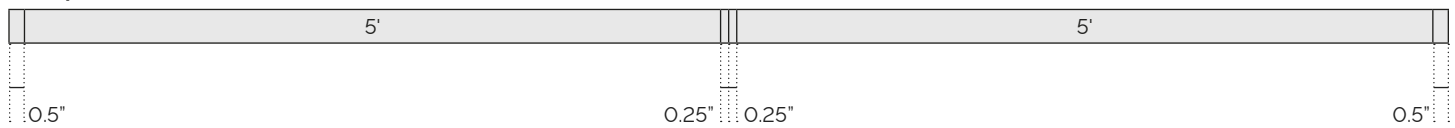
Row Configurations

SXX (Symmetric Run)

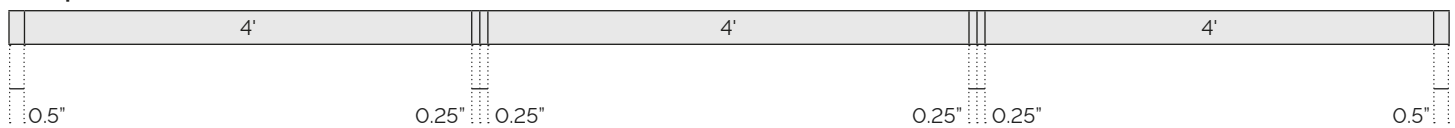
The construction of SXX (Y) is to build with equal length fixtures. The XX indicates the run length. The Y indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

NOTE: Each fixture has two end caps; starting end cap is .5" and the joining endcap is .25" (the space between fixtures is .5" total) so the actual length differs from the ordered length. Please make note of the Total Length Formula (Run length = ordered length + 1" + (Fixture joint# (* .5)) and refer to examples below.

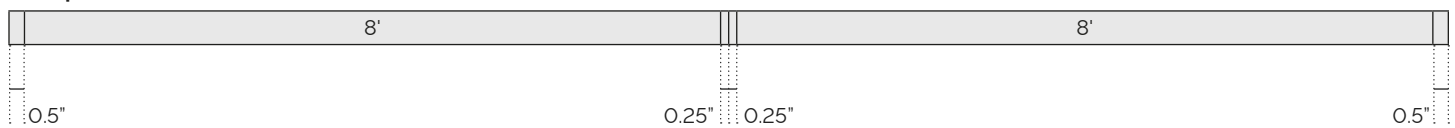
Example S10: $10 + 1" + (1 (* .5)) = 10' 1.5"$ total run



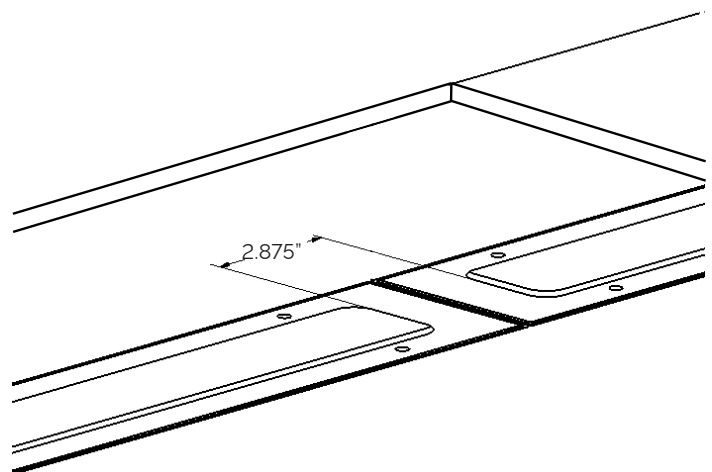
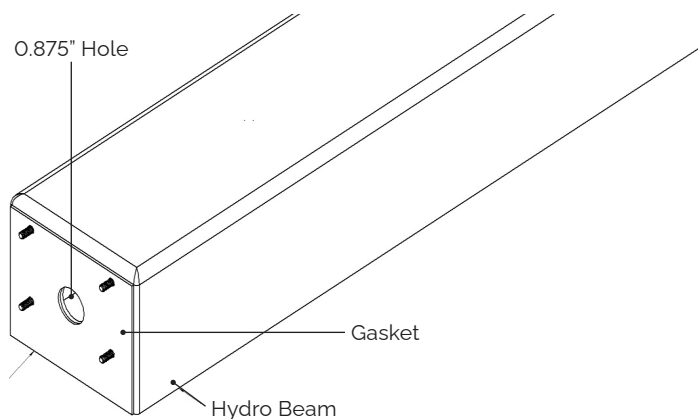
Example S12: $12 + 1" + (2 (* .5)) = 12' 2"$ total run



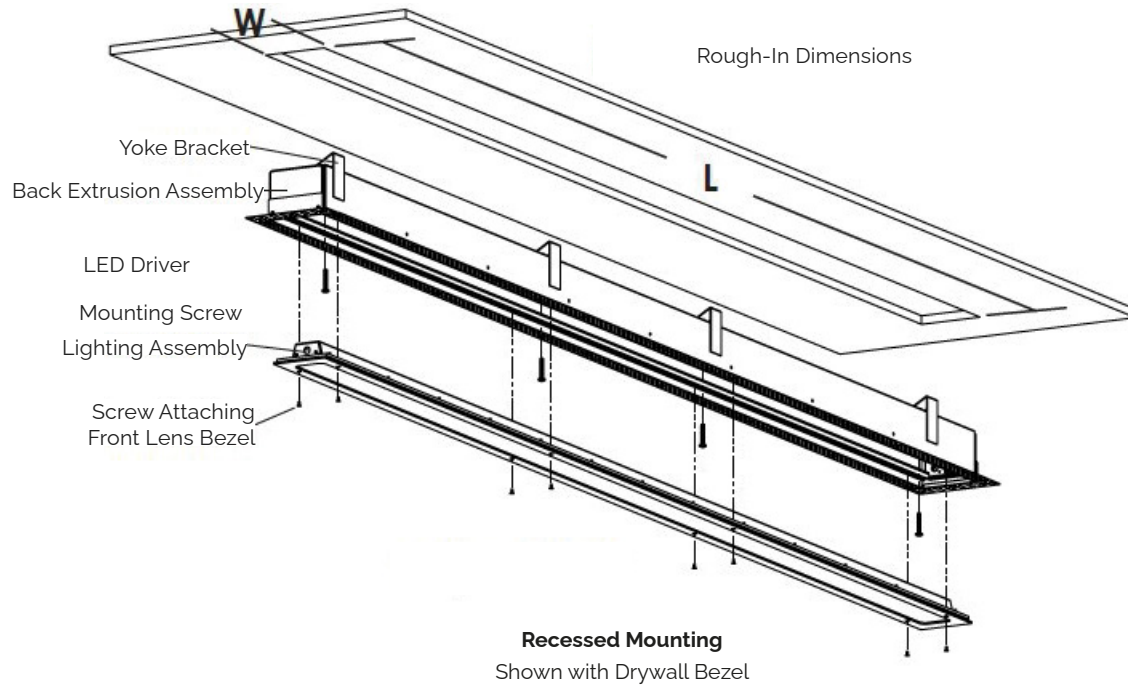
Example S16: $16 + 1" + (1 (* .5)) = 16' 1.5"$ total run



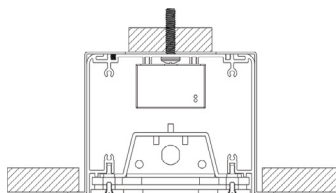
Linking



Mounting

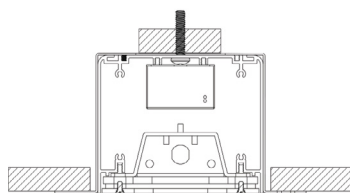


Cosmetic Bezel



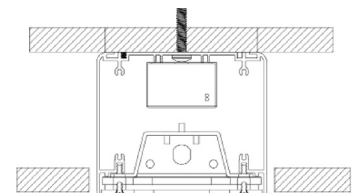
CB (Screw/Rod Mount)¹
4.5" Housing Width
4.75" Rough-In Width

Spackle Flange

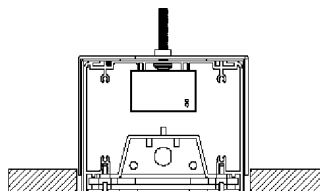


SF (Screw/Rod Mount)¹
4.5" Housing Width
4.75" Rough-In Width

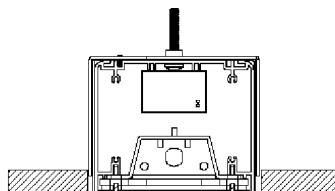
Trimless



TR (Trimless)¹
4.4" Housing Width
4.5" Rough-In Width



CBY (Yoke Mount)
4.5" Housing Width
4.75" Rough-In Width



SFY (Yoke Mount)
4.5" Housing Width
4.75" Rough-In Width

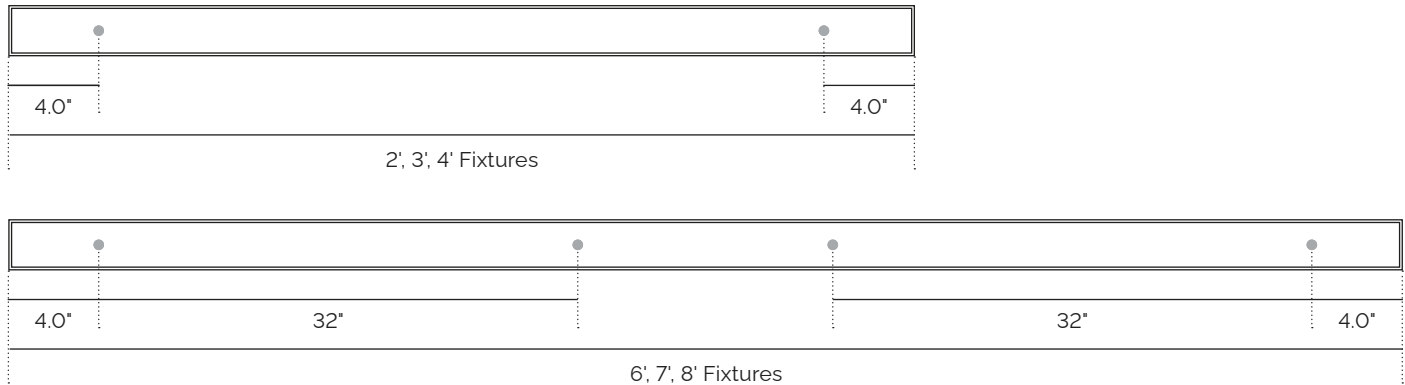
Notes

1. Fixture has to be mounted through the back of the extruded housing into structure, mounting hardware provided by others.

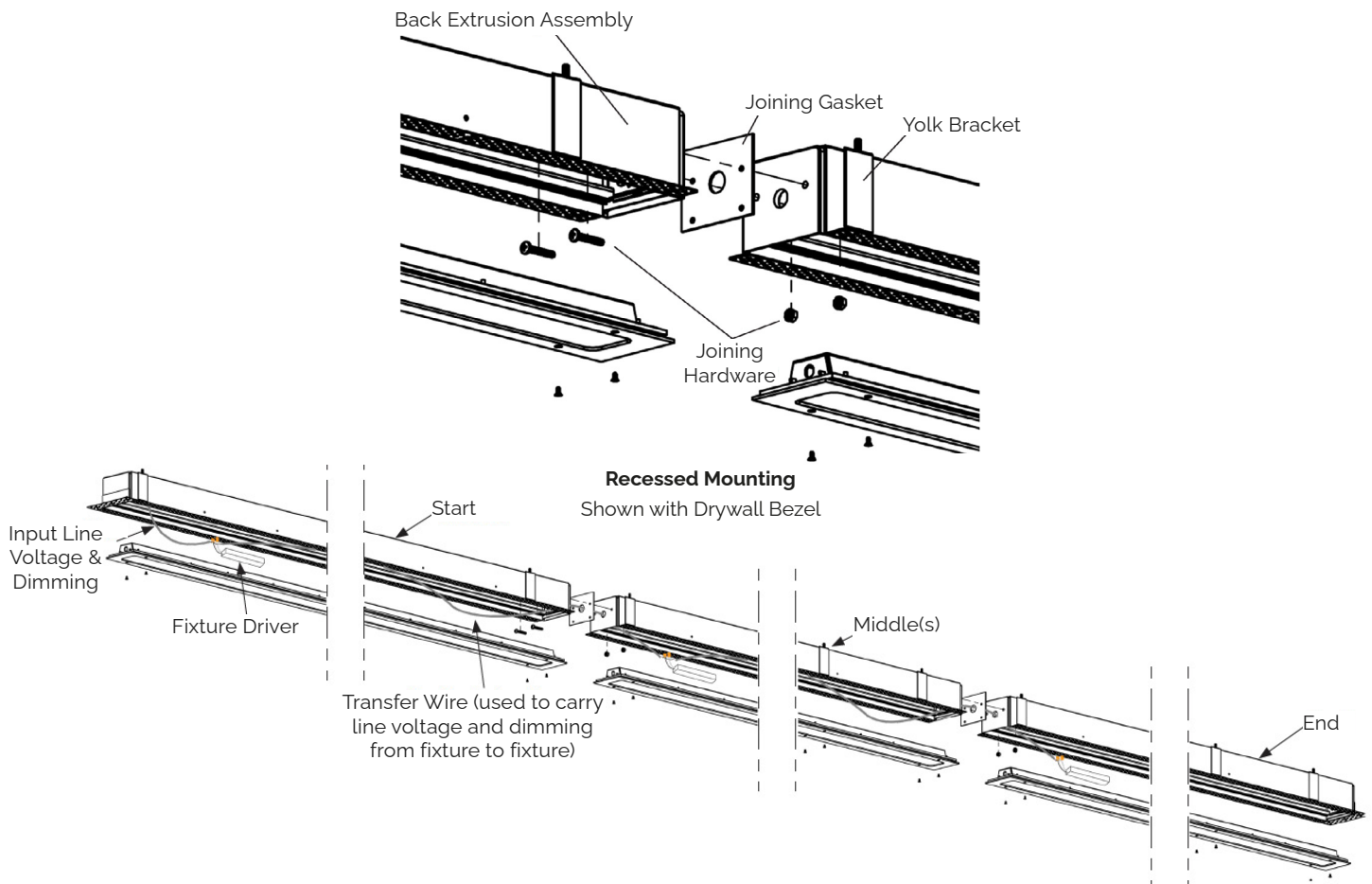


Mounting Locations

Mounting locations (● - Ø 0.266") vary between SM(T) option and others due to length and power location. Views below show top of fixtures.



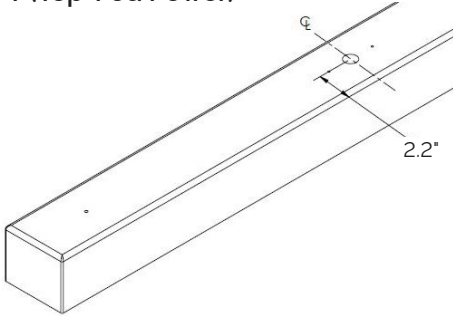
Continuous Run Details



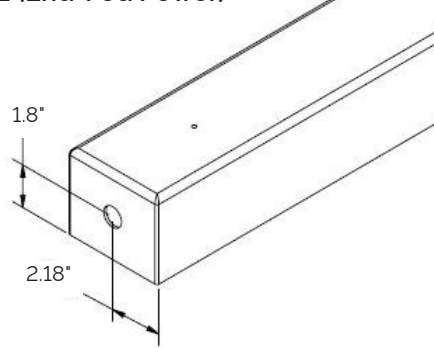
Power Locations

Power to be fed through one (1) 7/8" hole created in the top, side or end of the lighting fixture. Hole can accommodate 1/2" conduit. Lighting fixture is to be wired with UL listed wet location fittings per NEC requirements, supplied by others.

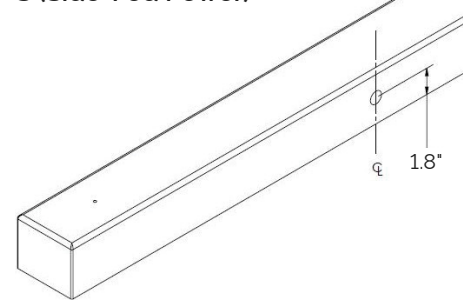
T (Top-Fed Power)



E (End-Fed Power)



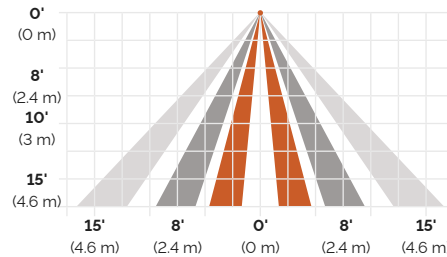
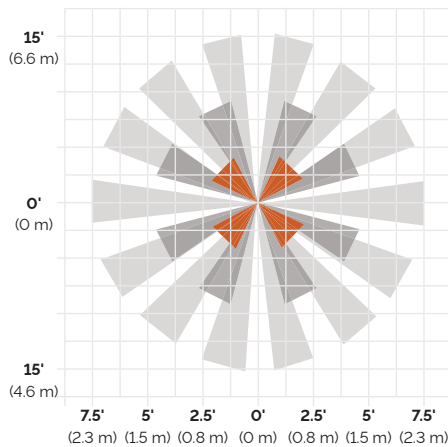
S (Side-Fed Power)



Controls

Sensor

VERTEX Fixture Integrated Occupancy Sensor with Dimming Photocell. Ideal for standalone or network lighting control applications. Its ultra-small footprint enables seamless integration into an indoor or outdoor luminaires without disrupting aesthetics or requiring additional mounting space. Its versatility allows for mounting at various heights up to 15ft detecting major and minor motion movement.



Specifications

Input Rating : 3.3V-5V(Voltage), 5mW (Mega Power)

Environmental Specification : -10°C - 70°C (Std. Operating Temp.), -40°C - 70°C (LT Operating Temp)

Output Rating : Not Applicable

