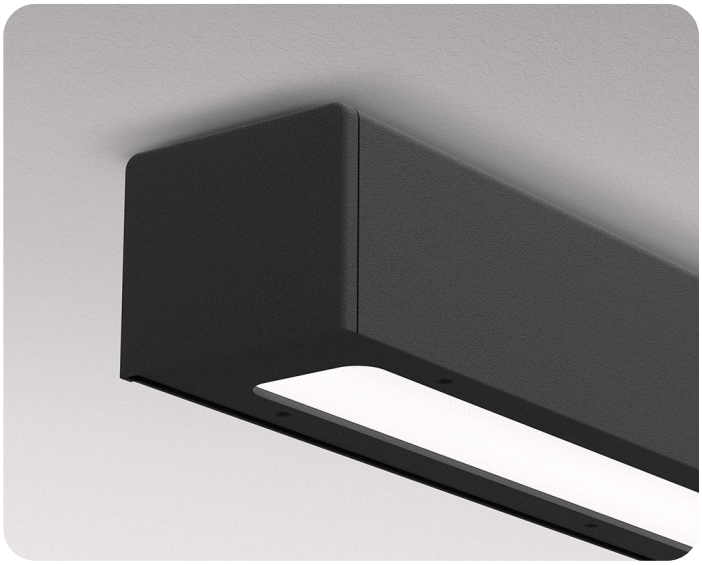
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Hydro Beam Surface
Direct



Key Features

- Extruded aluminum single piece housing with no visible fasteners
- Soft diffuse direct lighting
- Fixtures can be linked together for continuous rows
- Light levels can be factory set
- 0-10V dimming to 1% is standard
- Efficacy up to 125 lm/W
- Wet Location Rated

5 Year Warranty | BABA Compliant | BAA Compliant | IP66 Rated | 4G Vibration | Intertek | RoHS Compliant

Specifications

Construction

- Continuous extruded 6063 T5 aluminum
- Mechanically attached end caps with no exposed fasteners enhance architectural aesthetic and prevent light leak.

Dimensions

- Nominal dimensions: 3.6" x 4.4"

Finish

- Outdoor rated powder coating
- Colors: White, Black, Silver, Bronze or Premium Finishes
- End Caps: Color-matched to housing
- Custom colors available. Consult factory for more information.

Luminaire Length

- Standard individual lengths: 2', 3', 4', 6' or 8'
- Using internal joiners, sections can be joined to form longer, continuous rows.

Source

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

Lensing

- 0.125" thick impact resistant outdoor (F1) rated polycarbonate lens
- Soft diffuse direct lighting

Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 720 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, IP66 rated driver with 6kV transient protection.
- 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
- 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.

The information in this document is subject to change without notice.
Contact STARTEK for most up to date product details.

Ordering Logic

HYDROD-40-750-SD-35K-80-PW-SM(E)-U-1C-1EMB10

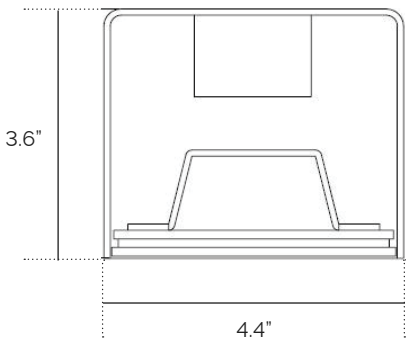
Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
HYDROD			SD		
	2 - 2 Feet	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**27K -** 2700K	**80 -** 80 CRI
	3 - 3 Feet	**500 -** 500 LPF		**30K -** 3000K	**90 -** 90 CRI (R9 50 min)
	4 - 4 Feet	**750 -** 750 LPF		**35K -** 3500K	
	6 - 6 Feet	**1000 -** 1000 LPF		**40K -** 4000K	
	8 - 8 Feet	**XXX -** Custom LPF		**50K -** 5000K	
	XX - Run Length				
	SXX - Symmetrical Run Length				

Finish[2]	Mounting[3]	Voltage	Circuiting	Emergency	Options
		U			
Standard Powder Coat	**SM(T) -** Top-Fed Power	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None	**SRG -** Surge Protector
PW - White	**SM(E) -** End-Fed Power		**MC -** Multiple Circuits[4, 5]	**EC -** Emergency Circuit[8]	**MLR -** Large Range Motion Sensor[11]
PB - Black	**SM(S) -** Side-Fed Power		**DL -** Daylight Control[4, 6]	**#EMB6 -** 6W EM Battery[9, 10, 11]	
PS - Silver			**NL -** Night Lights[4, 7]	**#EMB10 -** 10W EM Battery[9, 10, 11]	
PBR - Bronze					
Premium					
RALXXXX - Powder Coat Gloss Finish					
PSFX - Premium Stock Finish					
Custom Powder Coat					
PO - Powder Other					

Ordering Notes

1. 200 LPF min. output / 1500 LPF max. output.
2. See page 3 for standard and premium options.
3. 4G vibration certified.
4. Customer to specify number of zones and locations through factory submittal drawings.
5. Multiple low and line control zones.
6. Multiple low voltage control zones for daylight control.
7. Multiple unswitched wires for night light control zones.
8. Separate power, transfer devices provided by others.'#' indicates number per run.
9. Provided by Iota/Bodine.
10. Not available with 2' fixtures.
11. Motion sensor option removes the ability to dim.

Dimensions



Lumen Packages

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

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

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Finishes

Standard



PW: White



PB: Black



PS: Silver



PBR: Bronze

Premium Stock



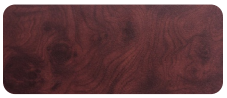
PSF001: Wood 1



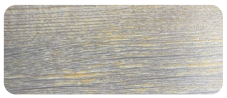
PSF002: Wood 2



PSF003: Wood 3



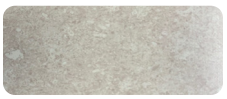
PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

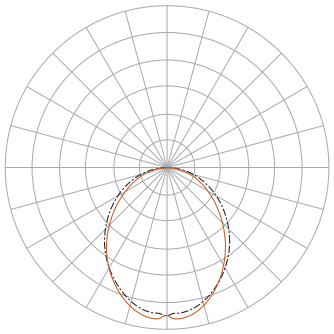


PSF009: Stone 3

NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

All other custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.

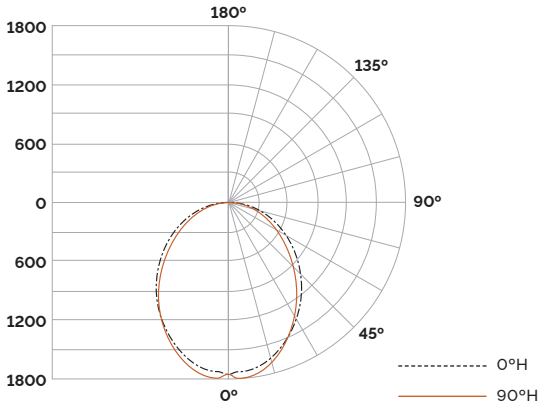
Distribution



Direct: SatinIce Diffuse (SD)

Performance

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

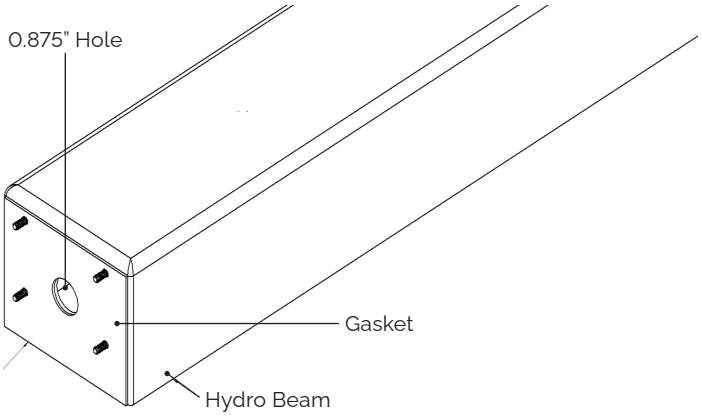
SXX (Symmetric Run)

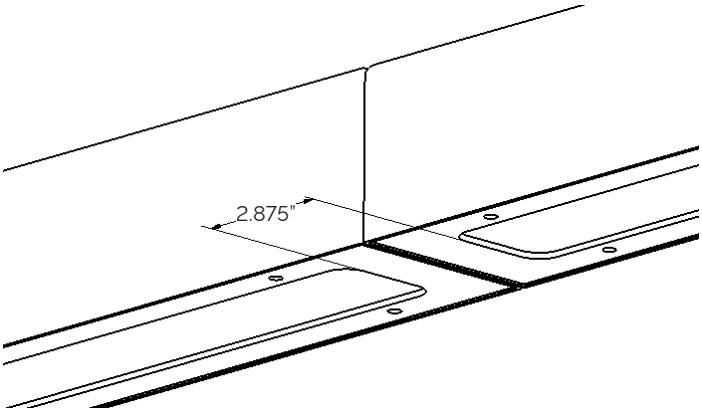
The construction of SXX (y') is to build with equal length fixtures. The xx indicates the run length. The y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

S12' (2')	2'	2'	2'	2'	2'	2'
S12' (3')	3'		3'		3'	
S12' (4')	4'		4'		4'	
S12' (6')	6'			6'		

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Linking



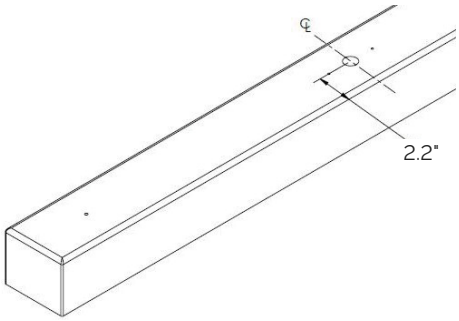


Mounting

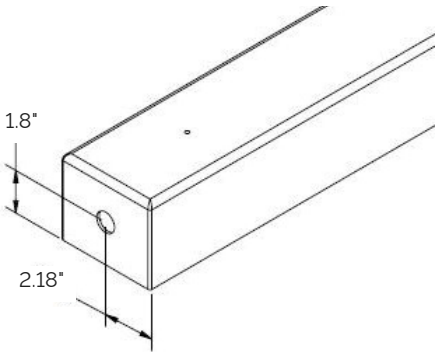
SM (Surface Mount)

Power to be fed through one (1) 7/8" hole created in the top—SM(T), side—SM(S), or end—SM(E) 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.

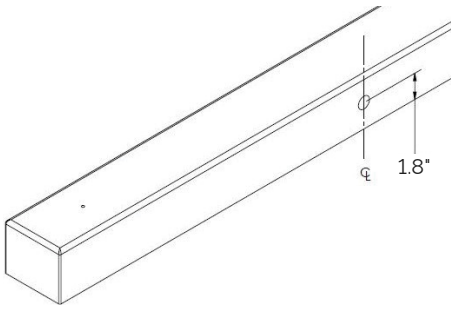
SM(T) (Top-Fed Power Stem Mount)



SM(E) (End-Fed Power Stem Mount)



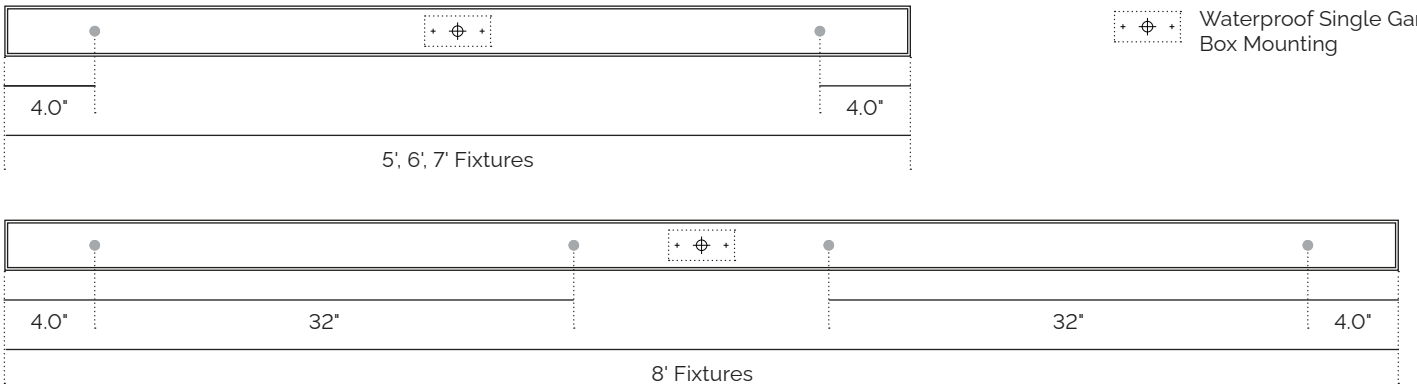
SM(S) (Side-Fed Power Stem Mount)



Mounting Locations

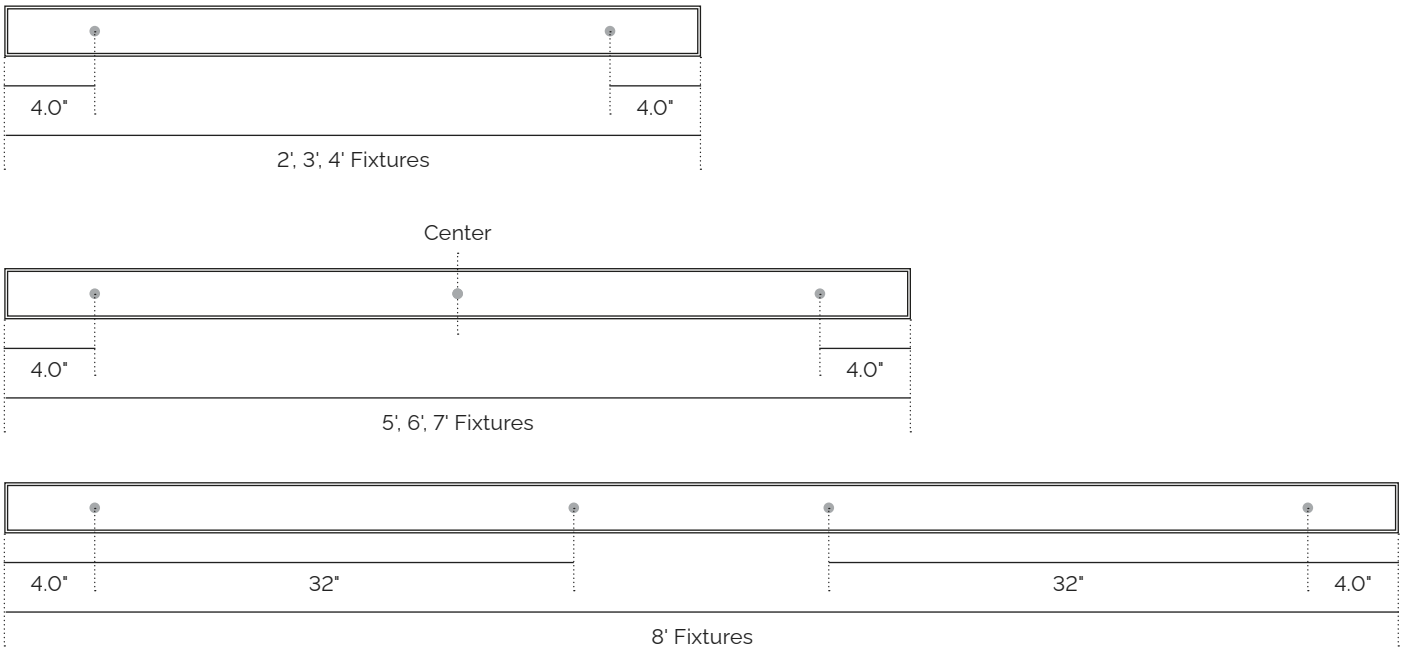
SM(T) (Top-Fed Power)

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



SM(S) (Side-Fed Power) & SM(E) (End-Fed Power)

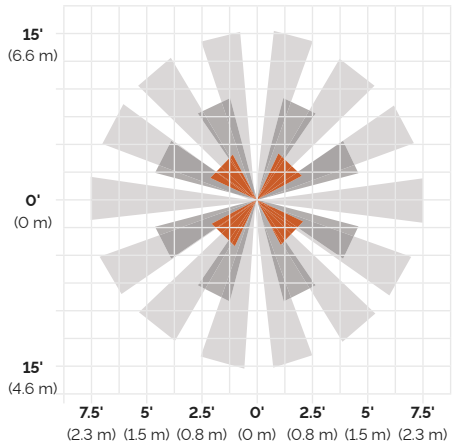
Mounting locations (● - Ø 0.266") will vary dependent on fixture length. See below for individual fixtures and runs showing the top of fixtures.

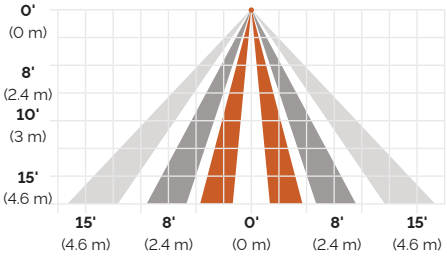


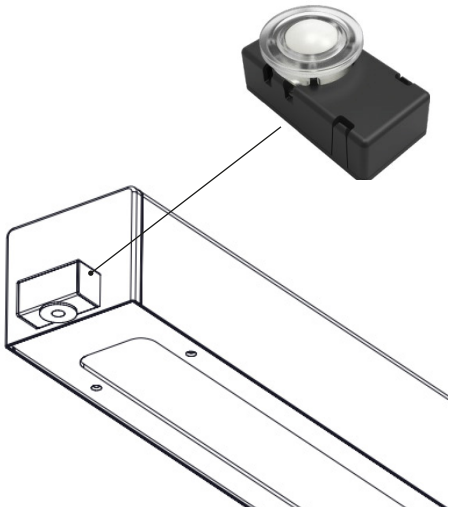
Controls

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

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