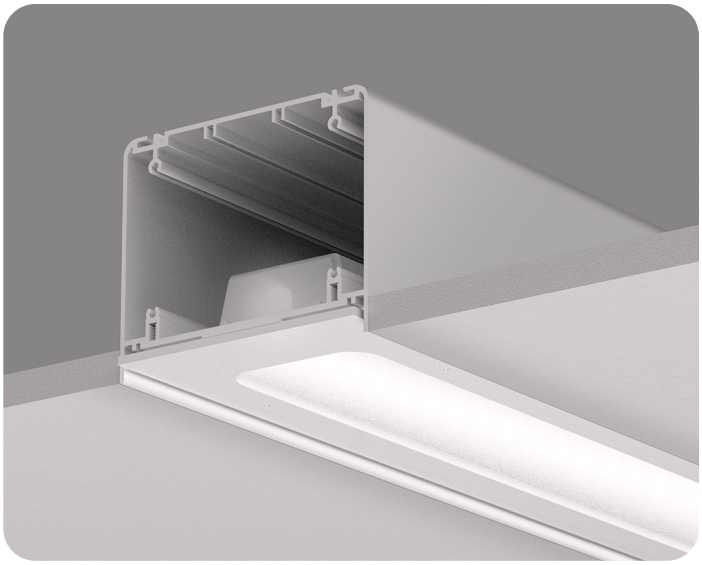
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Hydro Beam Recessed



Key Features

- Extruded aluminum single piece housing
- 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 | Intertek | RoHS Compliant

Specifications

Construction

- Continuous extruded 6063 T5 aluminum

Dimensions

- Nominal dimensions: 3.6" x 4.4"

Finish

- Outdoor rated powder coating
- Colors: White, Black, Silver, Bronze or Premium Finishes
- 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
- 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, 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

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

Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
RHYDRO			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				

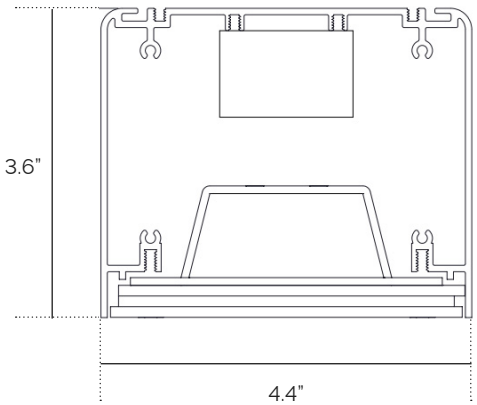
Finish[2]	Mounting	Power Entry	Voltage	Circuiting	Emergency
			U		
Standard Powder Coat	**Cosmetic Bezel[3]**	**T -** Top Feed	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None
PW - White	**CB -** Screw/Rod Mount	**E -** End Feed		**MC -** Multiple Circuits[4, 5]	**EC -** Emergency Circuit[8]
PB - Black	**CBY -** Yoke Mount	**S -** Side Feed		**DL -** Daylight Control[4, 6]	**#EMB6 -** 6W EM Battery[9, 10, 11]
PS - Silver	**Spackle Flange**			**NL -** Night Lights[4, 7]	**#EMB10 -** 10W EM Battery[9, 10, 11]
PBR - Bronze	**SF -** Screw/Rod Mount				
Premium	**SFY -** Yoke Mount				
RALXXXX - Powder Coat Gloss Finish	**Trimless**				
Custom Powder Coat	**TR -** Screw/Rod Mount				
PO - Powder Other					

Options
SRG - Surge Protector

Ordering Notes

1. 200 LPF min. output / 1500 LPF max. output.
2. See page 3 for standard options.
3. Bezel color will match fixture color unless otherwise specified, consult factory for options.
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.
9. '#' indicates number per run.
10. Provided by Iota/Bodine.
11. Not available with 2' fixtures.

Dimensions



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

Finishes

Standard



PW: White



PB: Black

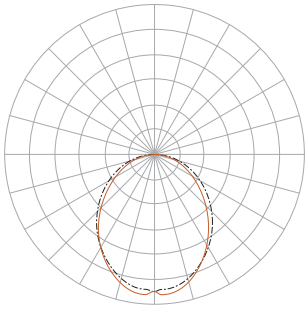


PS: Silver



PBR: Bronze

Distribution



Direct: SatinIce Diffuse (SD)

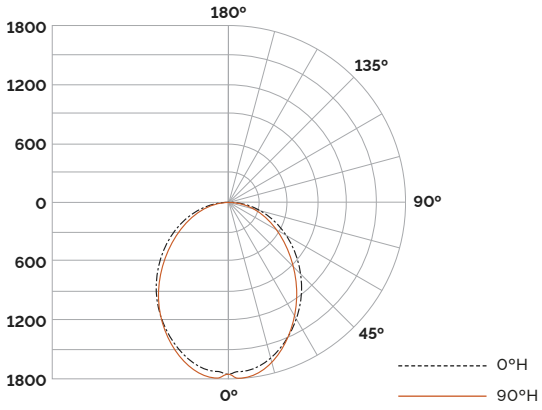
Lumen Packages

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	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

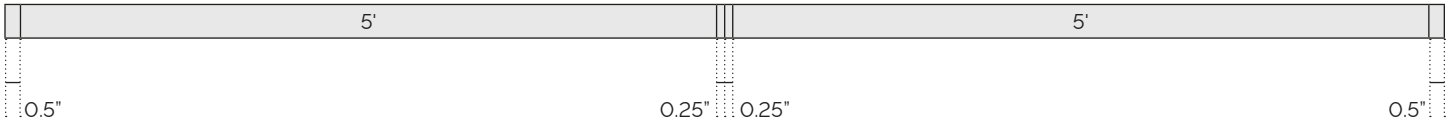
Row Configurations

SXX (Symmetric Run)

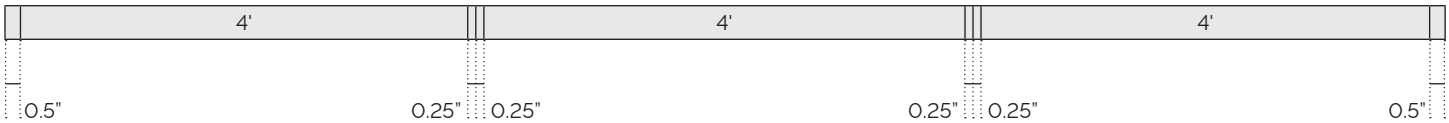
The construction of SXX (Y') is to build with equal length fixtures. The XX indicates the run length. The Y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

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.

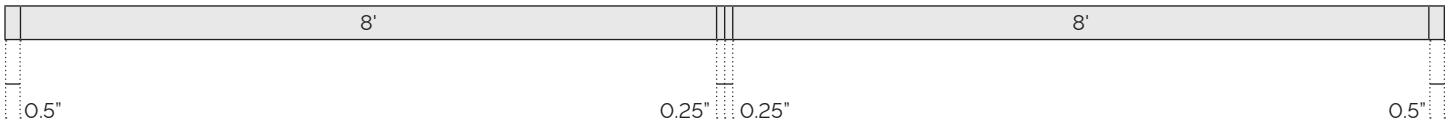
Example S10: 10 + 1" + (1 (*0.5)) = 10' 1.5" total run



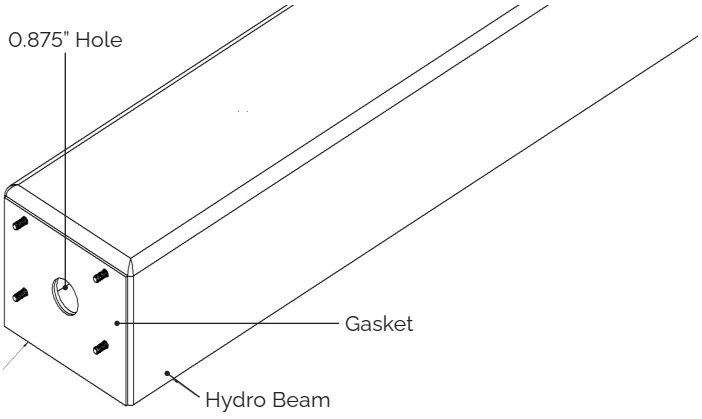
Example S12: 12 + 1" + (2 (*0.5)) = 12' 2" total run

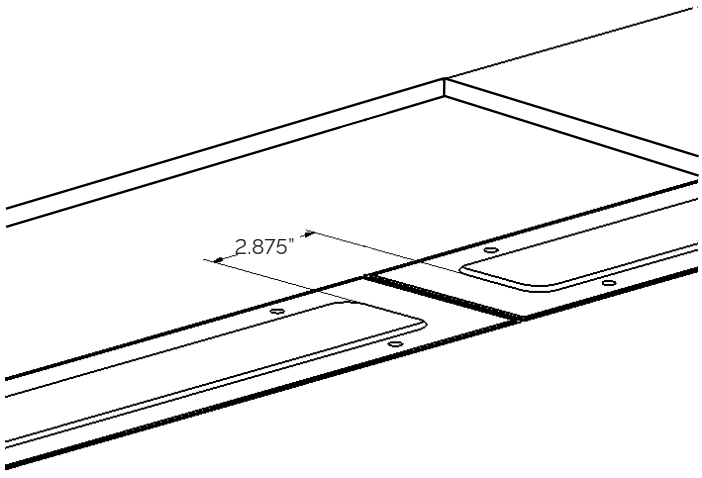


Example S16: 16 + 1" + (1 (*0.5)) = 16' 1.5" total run

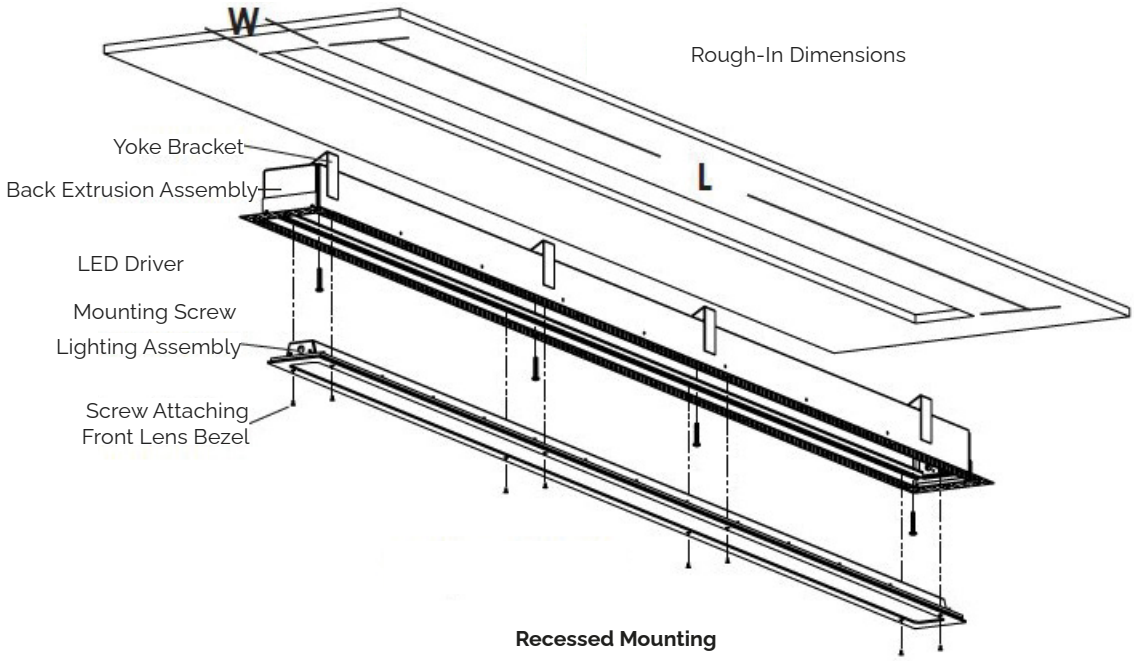


Linking



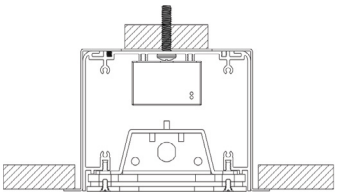


Mounting

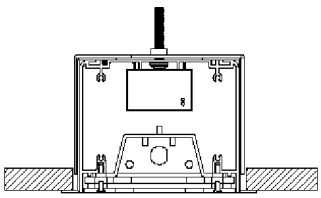


Recessed Mounting
Shown with Drywall Bezel

Cosmetic Bezel

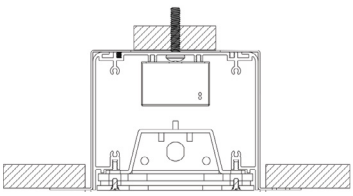


CB (Screw/Rod Mount)[1]
4.5" Housing Width
4.75" Rough-In Width

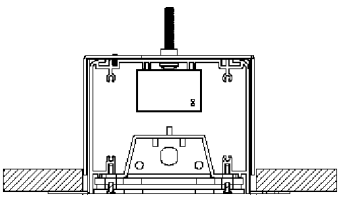


CBY (Yoke Mount)
4.5" Housing Width
4.75" Rough-In Width

Spackle Flange

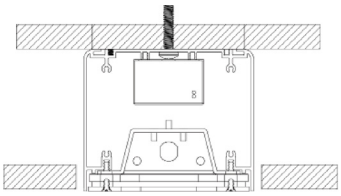


SF (Screw/Rod Mount)[1]
4.5" Housing Width
4.75" Rough-In Width



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

Trimless



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

Notes

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

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

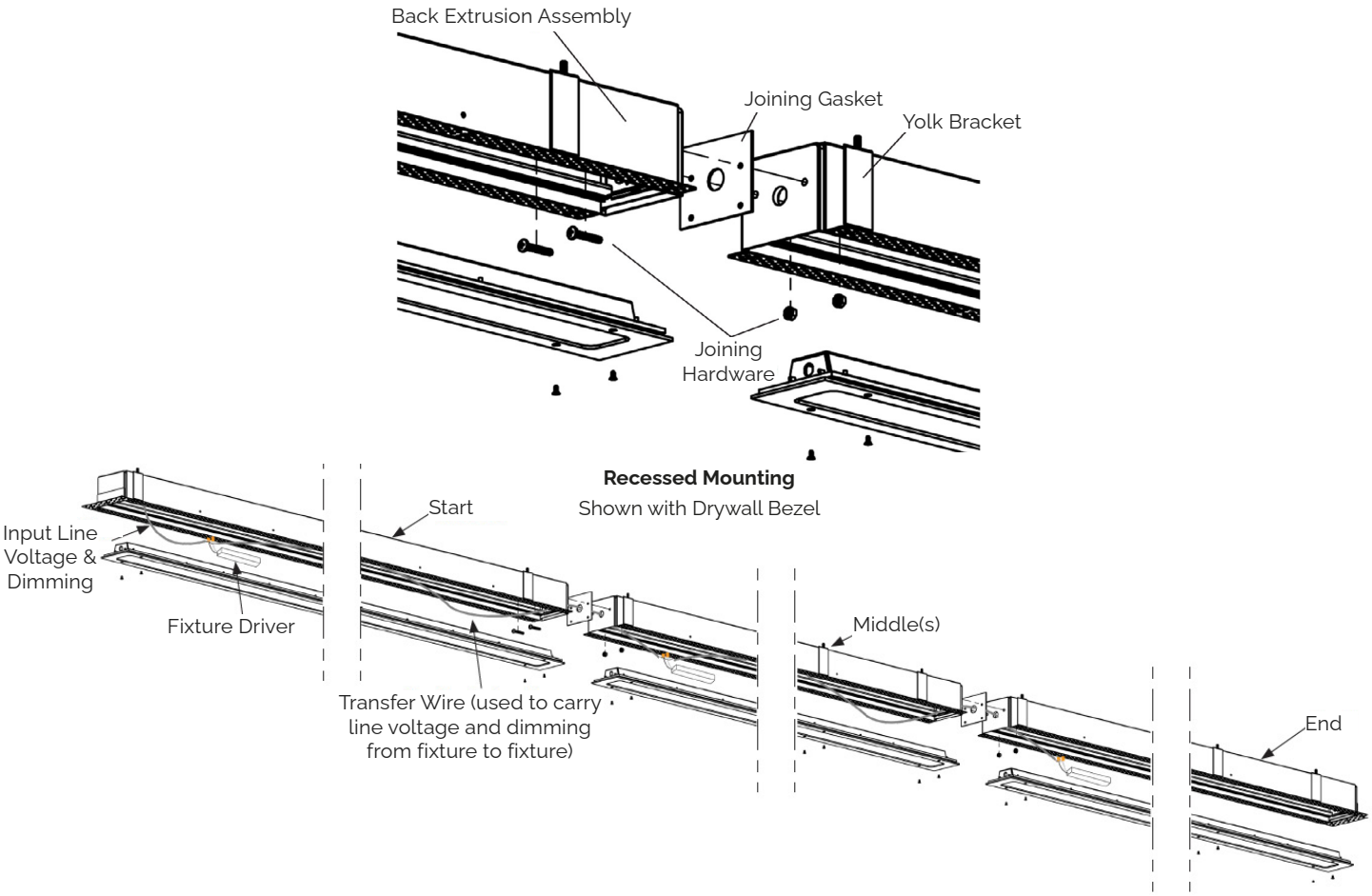
Mounting Locations

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





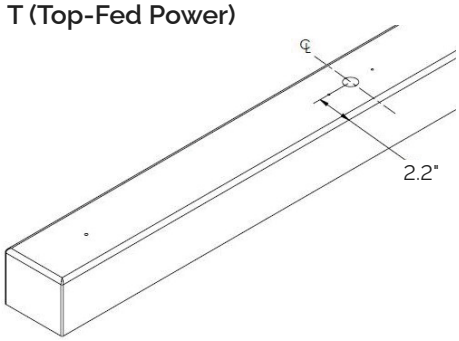
Continuous Run Details



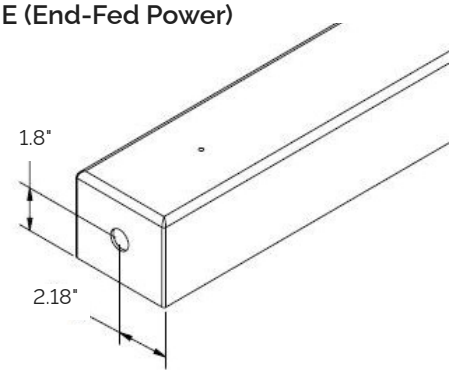
Power Locations

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)

