STARTEK
LIGHTING AMERICA

Type:	
Project:	
REP/Agent:	
Order #:	

HYDRO BEAM DIRECT

DIMENSIONS

3.6"

4.4"
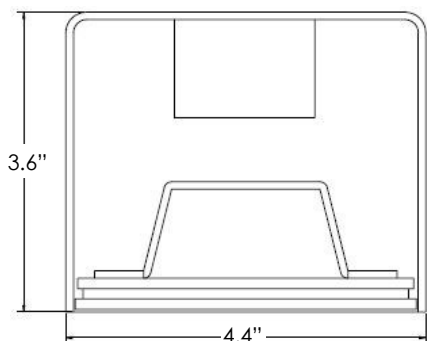
## FEATURES

★ 2', 3', 4', 6' and 8' individual units
★ Fixtures can be linked together for continuous rows
★ Efficacy up to 125 lm/W
★ Soft diffused direct lighting
★ Outdoor powder coat finishes available in white, black silver and bronze
★ Premium finishes also available
★ 0-10V dimming is standard
★ Dim to 10% of output current is standard
★ 90 CRI (R9 50min) available
★ CA Title 24 / JA8 installation compatible
★ Wet Location rated
★ IP66
★ Impact Protection Rating (IK10)

DISTRIBUTION
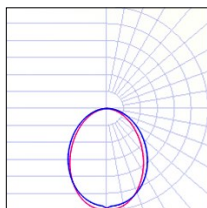
SD= SatinIce Diffuse

LUMEN PACKAGES Based on 3500K CCT. Other CCT available.

MODEL	LUMENS	INPUT WATTS	Lm/W
HYDRO-4-1000-SD-35K	4,000	36	110
HYDRO-8-1000-SD-35K	8,000	67	120

HYDRO BEAM DIRECT

HYDROD					
SERIES	**LENGTH**	**LUMENS PER FOOT**	**DISTRIBUTION**	**CCT**	**CRI**
HYDROD	**2**= 2FT **3**= 3FT **4**= 4FT **6**= 6FT **8**= 8FT **xx**= Run Length **Sxx**= Symmetric Run Length	**350**= 350 LPF **500**= 500 LPF **750**= 750 LPF **1000**= 1000 LPF **XXX**= Custom LPF	**SD**= SatinIce Diffuse	**30K**= 3000K **35K**= 3500K **40K**= 4000K **50K**= 5000K	**80**= 80 **90**= 90 *(R9 50 min)*

FINISH	**MOUNTING**	**VOLTAGE**	**ELECTRICAL**
STANDARD **PW**= Powder Coat White **PB**= Powder Coat Black **PS**= Powder Coat Silver **PBR**= Powder Coat Bronze **PREMIUM** **RALxxxx**= Powder Coat RAL xxxx **PSFx**= Prem Stock Finish **CUSTOM** **PO**= Powder Other See pg. 10 for standard and premium options.	**SURFACE MOUNTS*** **SM(T)**= Surface Mount (Top-fed power) **SM(E)**= Surface Mount (End-fed power) **SM(S)**= Surface Mount (Side-fed power) **WALL MOUNTS** **WM**= Wall Mount **ARM**= Arm Wall Mount **MM**= Mullion Mount **RM**= Rotational Mount **(Not Available in Continuous Run)** **STEMS WITH CANOPY KITS** **STEMWxx**= Stem White, xx" **STEMBxx**= Stem Black, xx"	**U**= 120-277	**1C**= Single Circuit **MC**= Multiple Circuits *(multiple switch legs across run length)* **EC**= Emergency Circuit *(separate power drops for EC fixtures)*

* 4G Vibration Certified

OPTIONS

BATTERIES (# indicates quantity)
#EMB10= 10W EM Battery (Iota/Bodine)

SURGE PROTECTOR
SRG= Surge Protector

SENSORS
MLR= Motion Sensor Large Range**

**Motion sensor option removes dimming ability

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

CONTINUOUS RUN

Continuous runs are configured with 2', 3', 4', 6' and 8' sections up to 50' in total length.

Run lengths always start with the longest fixture and receives the power feed.

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

S12 (4') — 4' | 4' | 4'

S12 (6') — 6' | 6'

LINKING

Typical continuous run installation shown below.
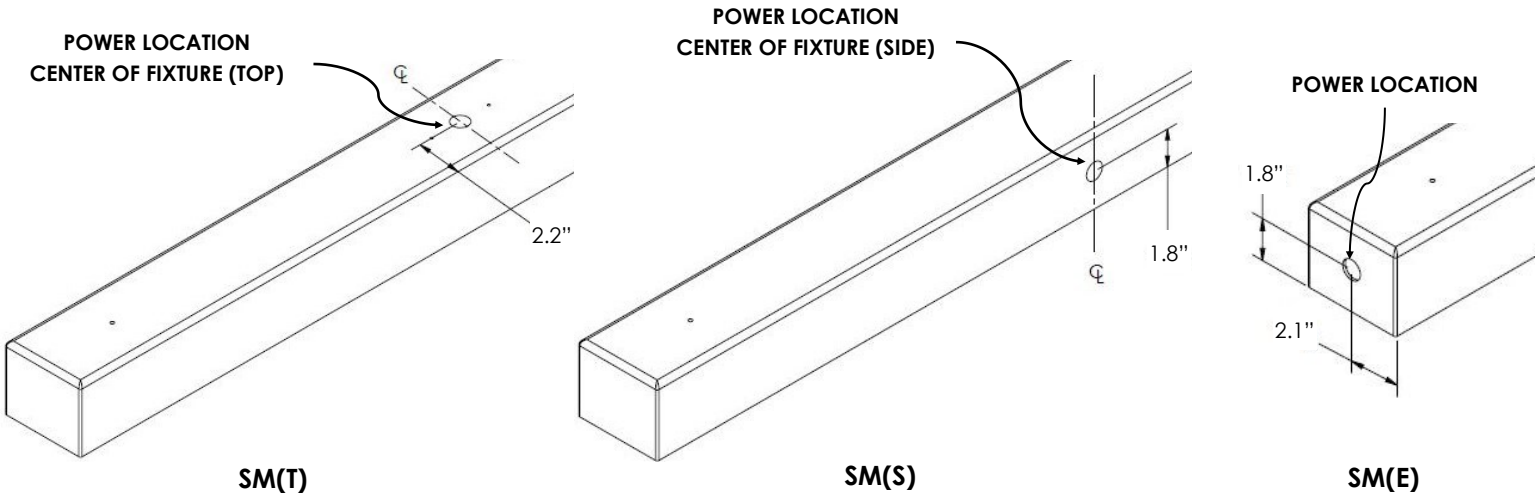
7/8" HOLE

GASKET

HYDRO BEAM HOUSING

2.875
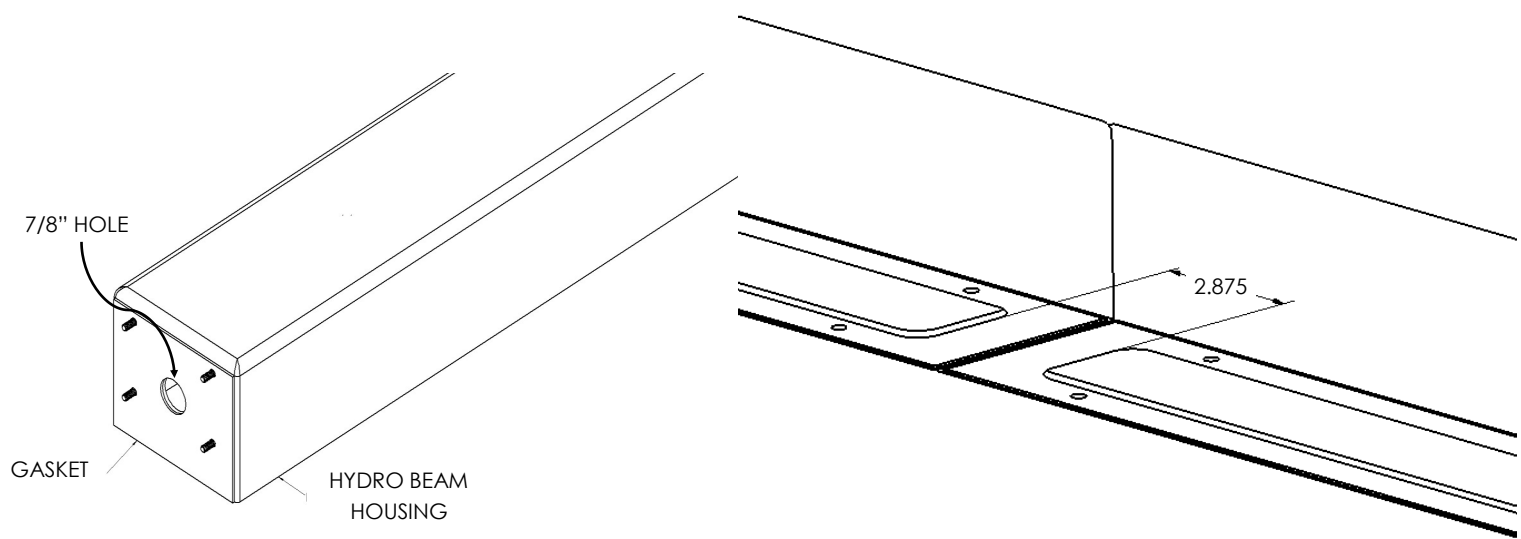
HYDRO BEAM DIRECT
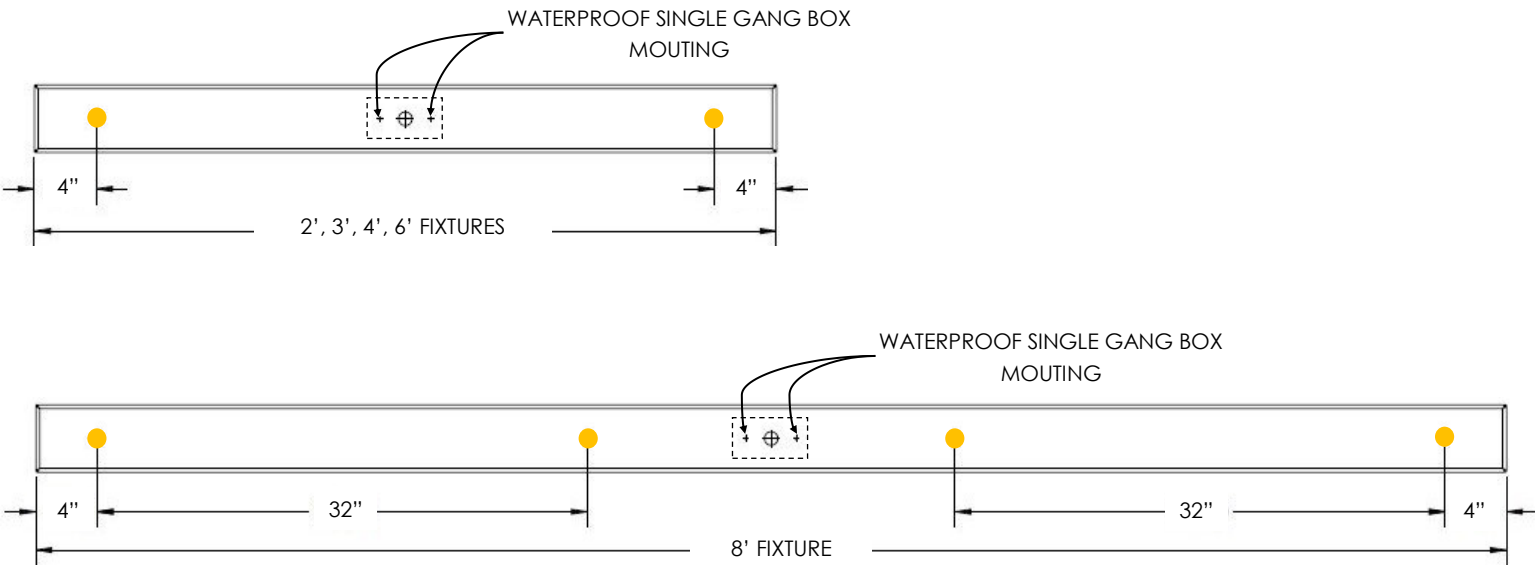
MOUNTING OPTIONS

SM(X) - Surface Mount (Top, End, or Side - fed power)

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.

POWER LOCATION
CENTER OF FIXTURE (TOP)

2.2"

SM(T)

POWER LOCATION
CENTER OF FIXTURE (SIDE)

1.8"

SM(S)

POWER LOCATION

1.8"

2.1"

SM(E)

MOUNTING LOCATIONS—SM(T)

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

WATERPROOF SINGLE GANG BOX
MOUTING

4"   4"

2', 3', 4', 6' FIXTURES

WATERPROOF SINGLE GANG BOX
MOUTING

4"   32"   32"   4"

8' FIXTURE

NOTE: Hole size at mounting locations is Ø.266".

HYDRO BEAM DIRECT

MOUNTING LOCATIONS—SM(S) & SM(E)

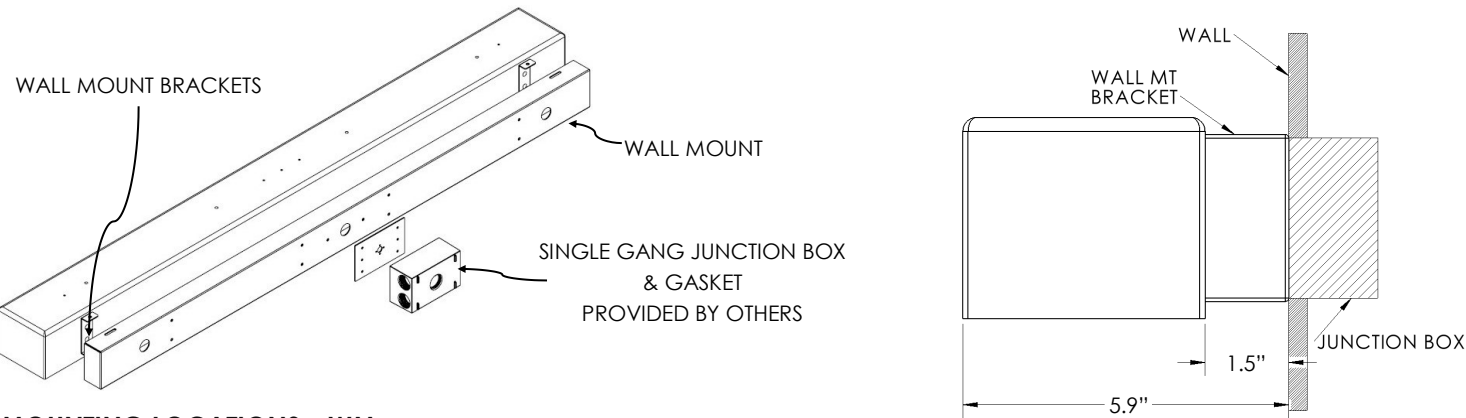The number of mounting locations (●) increase as fixtures get longer. Views below show top of fixtures.

4"   4"
2', 3' FIXTURES

4"   4"
4', 6' FIXTURES

4"   32"   32"   4"
8' FIXTURES
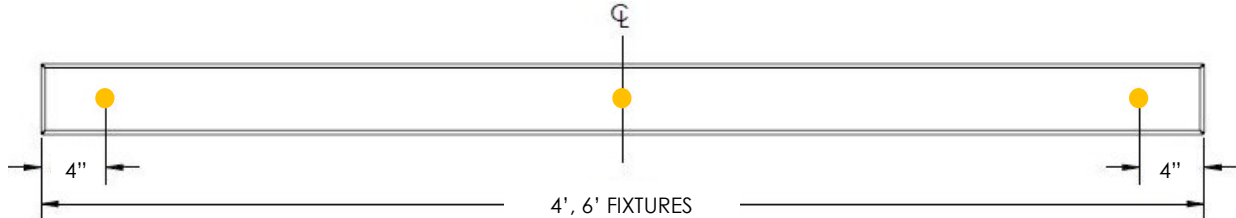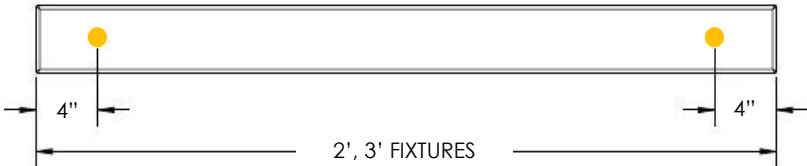
NOTE: Hole size at mounting locations is Ø.266".

HYDRO BEAM DIRECT
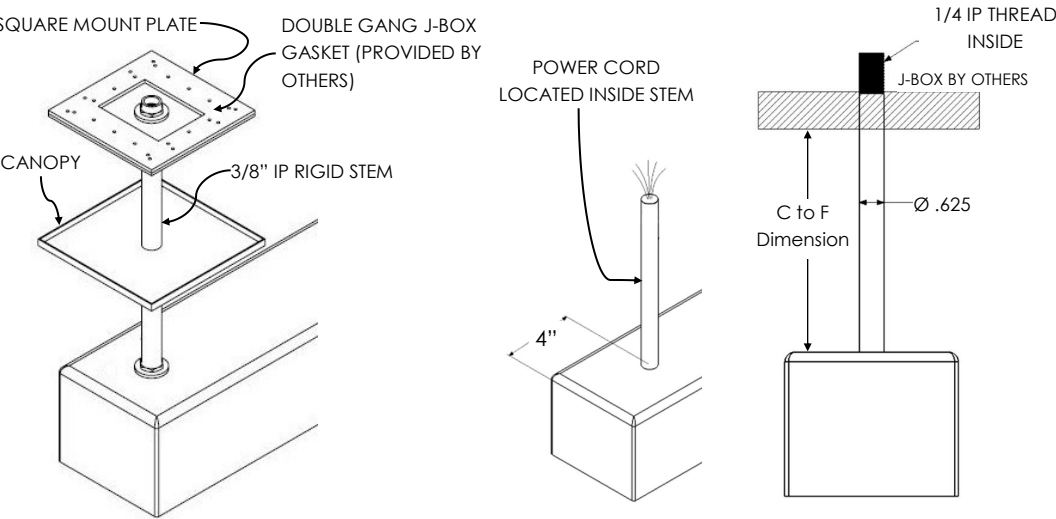
MOUNTING OPTIONS CONTINUED

WM - Wall Mount

WALL MOUNT BRACKETS

WALL MOUNT

SINGLE GANG JUNCTION BOX
& GASKET
PROVIDED BY OTHERS

WALL

WALL MT
BRACKET

JUNCTION BOX

1.5"

5.9"

MOUNTING LOCATIONS—WM

4x Ø.188 HOLES

Wall Mount for 2', 3' Fixtures

3"

4" 4"

WALL MT. 12"

8x Ø.188 HOLES

Wall Mount for 4', 6', 8' Fixtures

3"

4" 4"

16" 16"

WALL MOUNT 45"
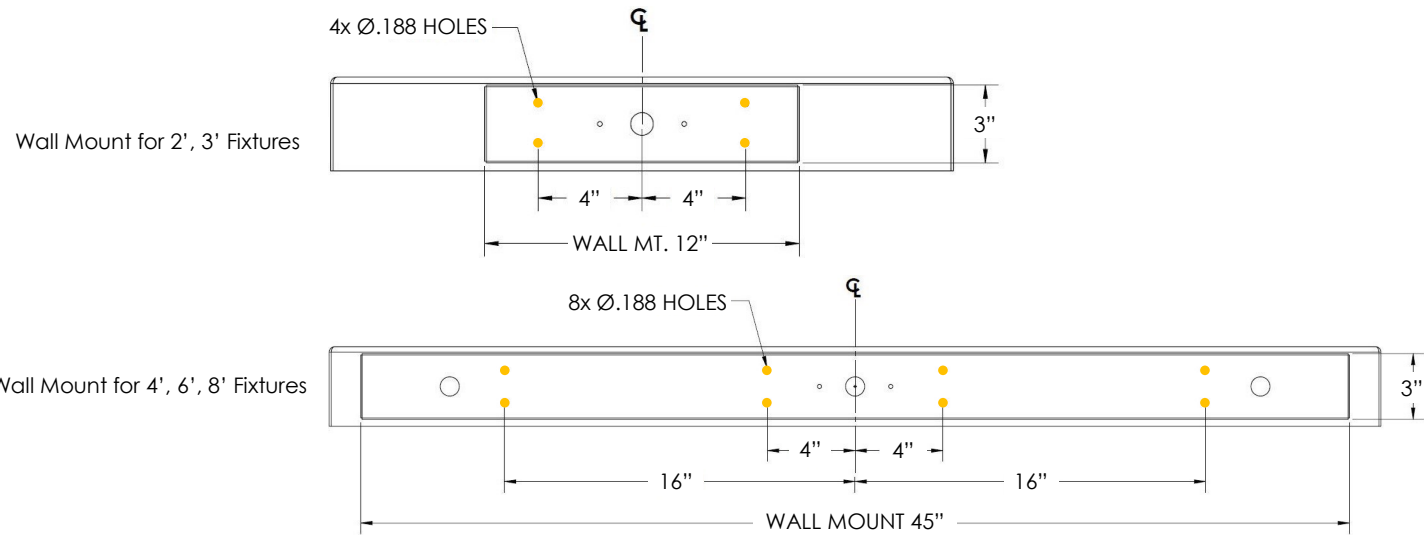
STEMXxx - Stem Mount with Canopy

When ordering, please specify stem mount length ("xx" indicates stem length). See table below for stem lengths available. Please also specify the color of the stem ("X" indicates stem color). Stem mounts can be ordered in white (STEMW) or black (STEMB).

SQUARE MOUNT PLATE

DOUBLE GANG J-BOX
GASKET (PROVIDED BY
OTHERS)

CANOPY

3/8" IP RIGID STEM

POWER CORD
LOCATED INSIDE STEM

4"

1/4 IP THREAD
INSIDE

J-BOX BY OTHERS

C to F
Dimension

Ø .625

Stem Lengths		
STEMX(xx) (C to F)	STEMX(xx) (C to F)	STEMX(xx) (C to F)
6"	24"	60"
8"	27"	66"
9"	30"	72"
12"	36"	78"
15"	42"	84"
18"	48"	90"
21"	54"	96"
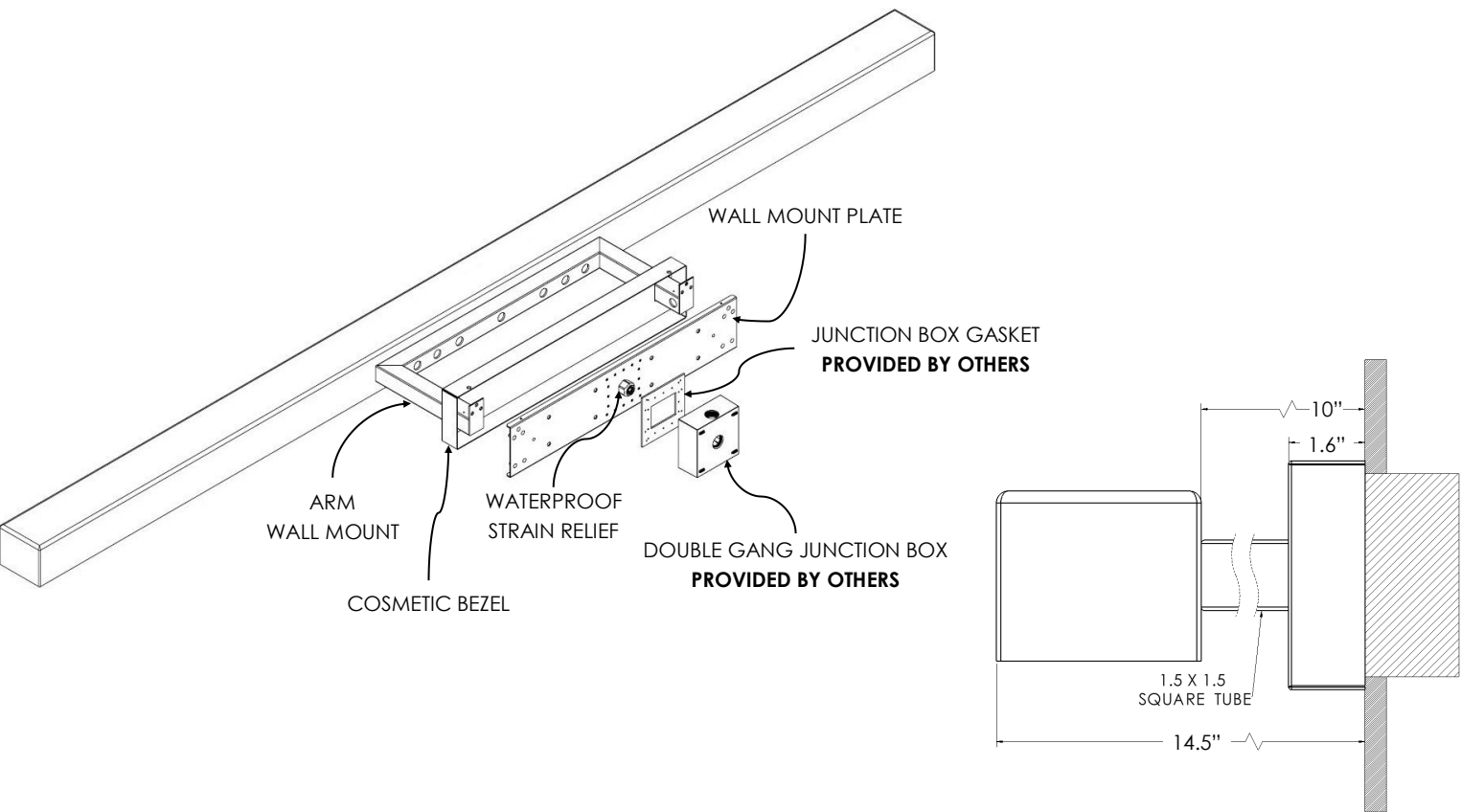
ARM (Arm Wall Mount)

WALL MOUNT PLATE

JUNCTION BOX GASKET
PROVIDED BY OTHERS

ARM
WALL MOUNT

WATERPROOF
STRAIN RELIEF

DOUBLE GANG JUNCTION BOX
PROVIDED BY OTHERS

COSMETIC BEZEL

10"

1.6"

1.5 X 1.5
SQUARE TUBE

14.5"

MOUNTING LOCATIONS—ARM

DOUBLE GANG
JUNCTION BOX
LOCATION

C L

8x Ø.332 HOLES

3"   3"

8"   8"

WALL MOUNT
24.6"

HYDRO BEAM DIRECT

MM (Mullion Mount)

WALL MOUNT BRACKETS

MULLION MOUNT

WATERPROOF STRAIN RELIEF

SINGLE GANG HANDY BOX & GASKET (PROVIDED BY OTHERS)

MULLION MT BRACKET

MULLION

5.85"

1.5"

SINGLE GANG HANDY BOX

MOUNTING LOCATIONS—MM

SINGLE GANG HANDY BOX LOCATION

4x Ø.188 HOLES

1.25"

2"

3.25"

8"

RM - Rotational Mount

WALL

6.5"

0.87"

SINGLE OR DOUBLE GANG JUNCTION BOX & GASKET **PROVIDED BY OTHERS**

MOUNTING LOCATIONS

3.80"

5.35"

JUNCTION BOX LOCATION

4x Ø.313 HOLES

HYDRO BEAM DIRECT

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

Polar Candela Distribution — HYDROD-4-1000-SD-35K
- 0° H
- 90° H
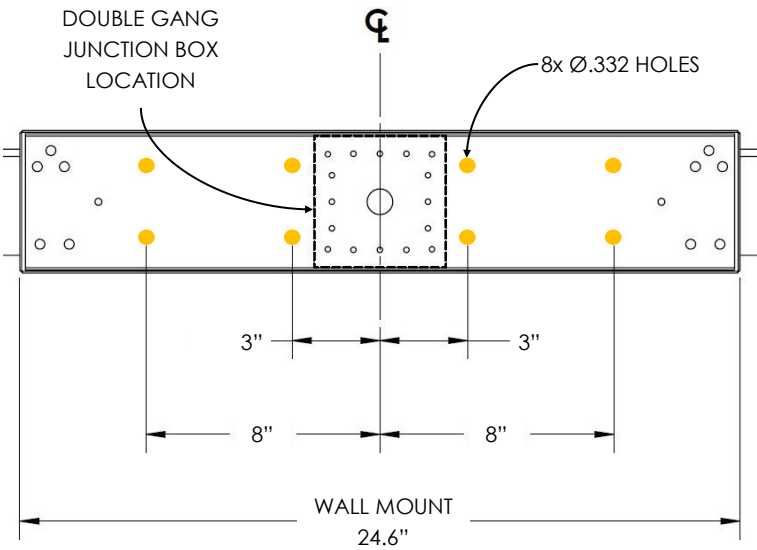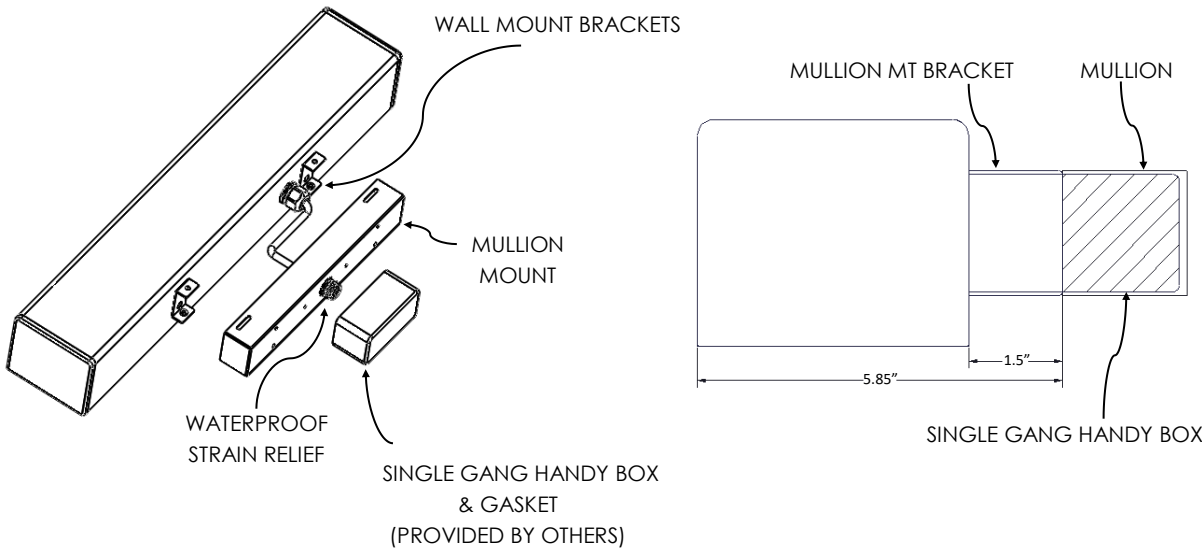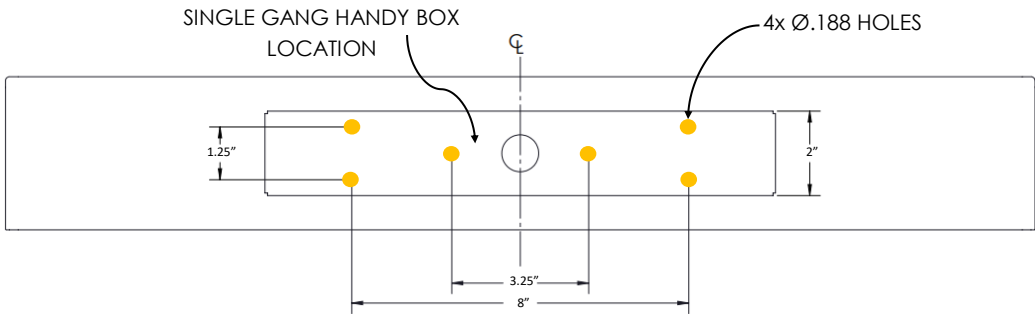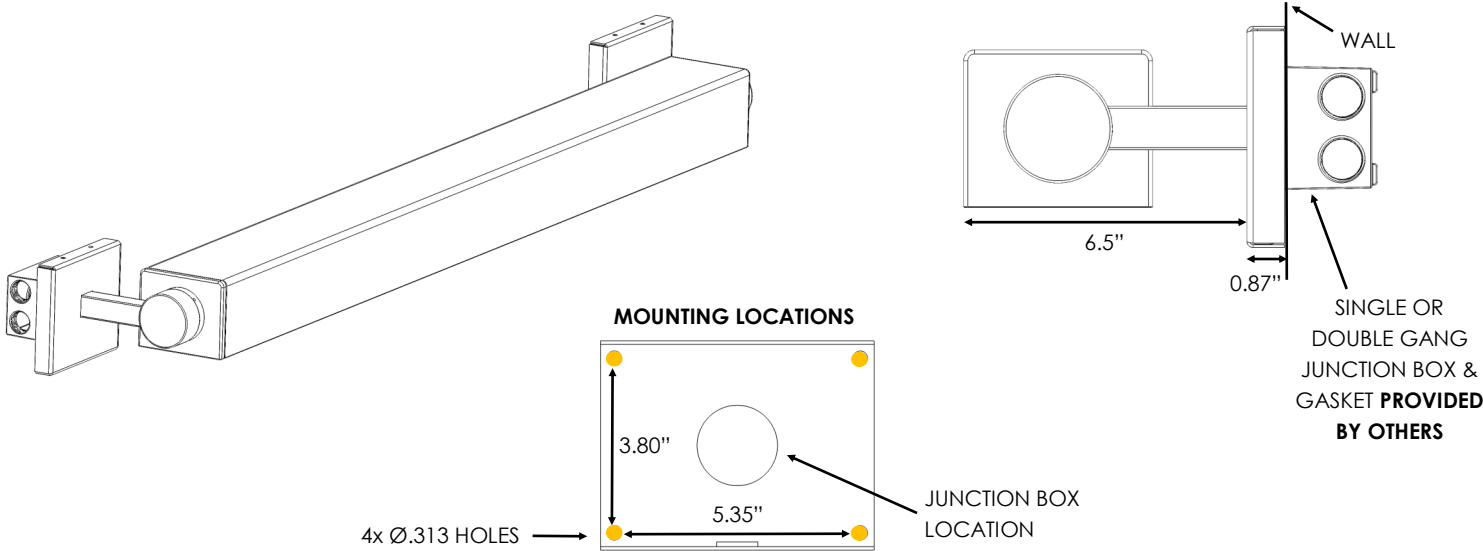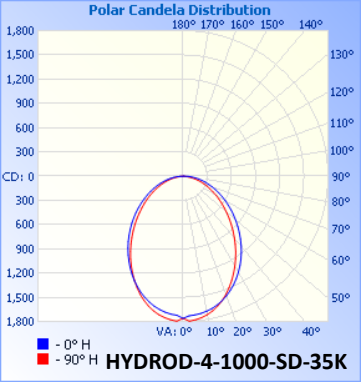
Model	Lumens	Watts	LPW
HYDROD-4-1000-SD-30K	4000	37	107
HYDROD-4-1000-SD-35K	4000	36	110
HYDROD-4-1000-SD-40K	4000	36	112
HYDROD-4-1000-SD-50K	4000	35	115

Model	Lumens	Watts	LPW
HYDROD-8-1000-SD-30K	8000	68	117
HYDROD-8-1000-SD-35K	8000	67	120
HYDROD-8-1000-SD-40K	8000	66	122
HYDROD-8-1000-SD-50K	8000	64	125

STARTEK
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STANDARD FINISHES
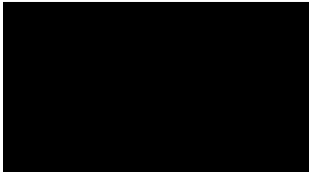
WHITE MINI TEXTURE   BLACK MINI TEXTURE   SILVER   BRONZE

Custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.
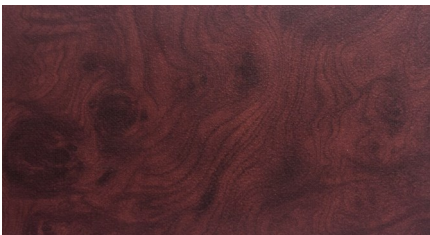
PREMIUM STOCK FINISHES
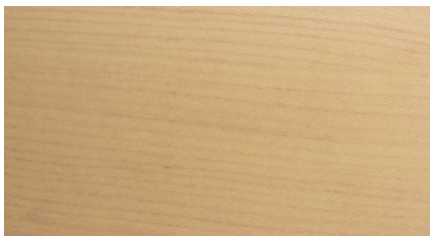
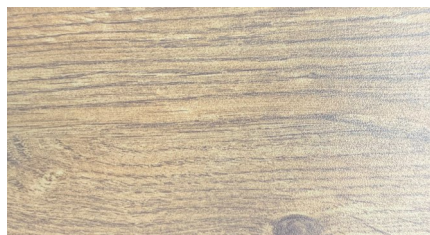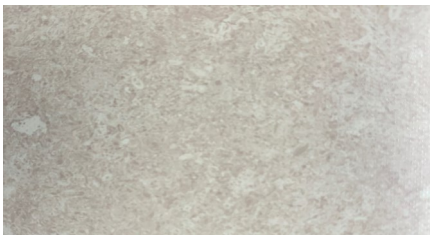PSF001 (WOOD#1)   PSF002 (WOOD#2)   PSF003 (WOOD#3)
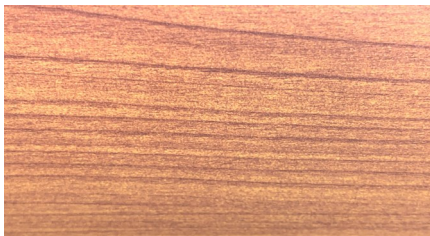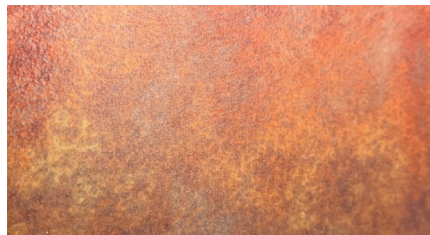
PSF004 (WOOD#4)   PSF005 (WOOD#5)   PSF006 (WOOD#6)

PSF007 (STONE #1)   PSF008 (STONE #2)   PSF009 (METAL #1)

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.

HYDRO BEAM DIRECT

SPECIFICATIONS

Housing
Nominal 3.6" x 4.4" x 0.090 thick aluminum housing

Color
Colors for the housing are available in a powder coated white, black silver and bronze. Consult factory for custom colors.

Luminaire Length
2', 3', 4', 6' or 8' lengths are available for a single stand-alone section. Using contractor provided conduit, sections can be joined to form longer rows up to 50'.

Lensing
0.125" Thick Impact resistant outdoor (F1) rated polycarbonate lensing.

Source
Variable lumen packages are available in four color temperature options (3000K, 3500K, 4000K and 5000K) — all within 3 MacAdam ellipses.

Certification
Intertek cETLus Wet Location Listed. RoHS (Restriction of Hazardous Substances) and Buy American Act Compliant.

Battery
Lithium ion battery providing up to 1200lm(10W) for 90 minutes. UL924 listed. Class 2 compliant. Meets Title 20 CEC (California Energy Commission) efficiency standards.

Environment
Suitable for dry, damp, and wet locations.
Operating temp.: -40°C to +50°C
                  -40°F to +122°F

Dimming Driver
Osram Optotronic Outdoor LED Driver allows tunable output currents to achieve infinite configurations of output. UL Class P recognized. 0-10v interface can be wired as Class 1 or Class 2 circuit.

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

WARRANTY

5-year limited warranty. Complete warranty terms can be located at:

https://starteklightingamerica.com/wp-content/uploads/2019/11/Hydro_Beam_Warranty.pdf

Note: Actual performance may differ as a result of installation environment and final application.
All values are design or typical values, measured under laboratory conditions, at 25°C (77°F) .

CONTROL

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.
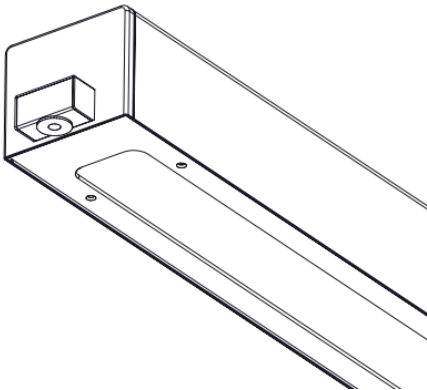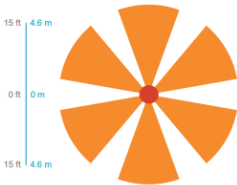

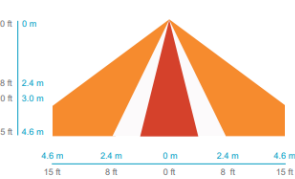**COVERAGE PATTERNS**

Motion Sensor Large Range

- Optimized full coverage from 8 ft - 15 ft (2.4 m - 4.5 m) mounting heights
- Reliable detection of large motion (e.g. pedestrian walking traffic)
- 1.3 x's mounting height equals approximate detection range

TOP VIEW   SIDE VIEW

Specification

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