



L03 (Submersible)

Application	Submersed fresh water up to 9'8" (3m) depth.
IP Rating	68
Mounting	Comes with 304 stainless steel square box, aluminum flange and level gauge. Can be buried in earth/gravel or cast into concrete for submersed applications. Includes 6' (1829mm) wire lead.
Electrical	Powered by remote dimmable/ non-dimmable driver (sold separately). *See website for recommended drivers *Remote emergency driver / inverter options available. Consult factory.
Power Consumption	1.5 Watt (at 350 mA, 1.0 Watt) 3.0 Watt (at 700 mA, 2.5 Watt)
Light Output	1.0 Watt, 47~62lm 2.5 Watt, 75~79lm *For photometric data, see page 03
Warranty	5 years limited warranty Estimated useful life of LED is 50,000 hours.
Material	Solid anodized aluminum or marine grade stainless steel (316) with tempered glass lens, RoHS compliant.
Weight	2.45lbs (1.11kg)
Approval	

DISCLAIMER Malfunction and damage to product due to improper dimming system installation or misuse will not be covered under warranty. Only DC Drivers are recommended for dimming systems. Consult MP Lighting for recommended drivers.
*MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products.

Type:

Project:

Modified:

Quantity:

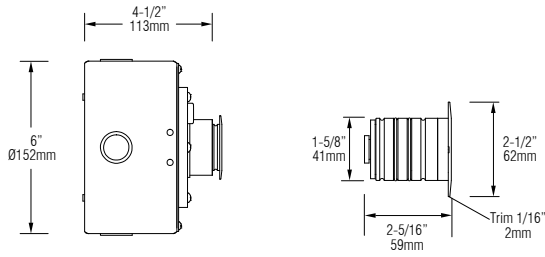
Notes:

Order Guide

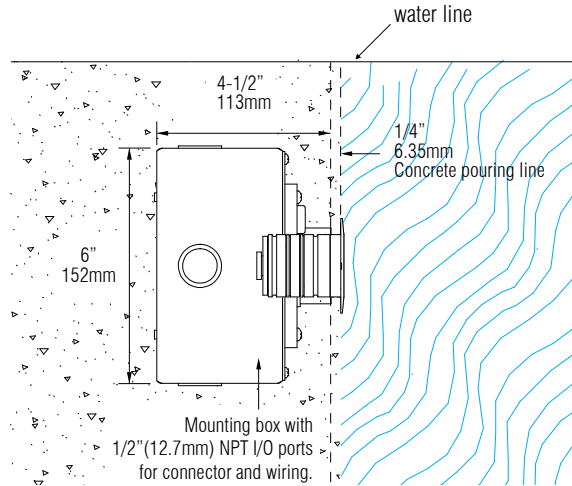
Example: L03-1-W27-N-C-LM-0-A-B-6-S6

code	Wattage	Color	Beam	Lens	(Option)	Angle Bracket*	Input Voltage	Mounting	Lead Length	Finish
L03	-	-	-	-	-	-	-	-	-	-
	1 = 1W 2 = 2.5W	W20S = 2000K, 80+CRI W22S = 2200K, 80+CRI W27S = 2700K, 80+CRI W30S = 3000K, 80+CRI W35S = 3500K, 80+CRI W41S = 4100K, 80+CRI W27H = 2700K, 90+CRI W30H = 3000K, 90+CRI W35H = 3500K, 90+CRI *W20S AC only *W22S DC only	T = thin spot (10°) S = spot (12°) N = narrow flood (30°) W = wide flood (120°)	C = clear F = frosted	See below	0 = no angle 20 = 20° angle X = custom (20° max.) * Internal angle bracket factory set. Cannot be field adjusted.	D = DC *DC not available for W20S A = 12V AC *12V AC not available for W22S/W41S & 90+CRI	B = mounting box F = flange only	6 = 6' lead (1829mm) x = custom	S6 = stainless steel 316 ABZ = antique bronze PS6 = polished stainless steel
					(Option) LM = louver, matte anodized LB = louver, black anodized HM = hex louver, matte anodized HB = hex louver, black anodized ** Louver is not available with Angle Bracket. **Accessories limits range of angle bracket.					

DIMENSION:



L03 with Back box



Shown mounted underwater

LIGHT DISTRIBUTION:

1Watt



12° (Spot Beam), Clear lens, Stainless Steel 316



30° (Narrow Flood Beam), Clear lens, Stainless Steel 316



120° (Wide Flood Beam), Clear lens, Stainless Steel 316

2.5Watt



12° (Spot Beam), Clear lens, Stainless Steel 316



30° (Narrow Flood Beam), Clear lens, Stainless Steel 316



120° (Wide Flood Beam), Clear lens, Stainless Steel 316

PHOTOMETRIC DATA:

1W, 3000K, Clear lens

2.5W, 3000K, Clear lens

Polar Candela Distribution

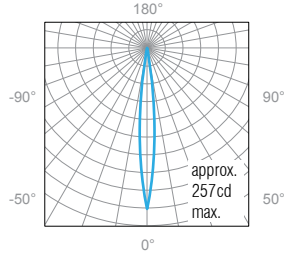
Illuminance at a Distance

Polar Candela Distribution

Illuminance at a Distance

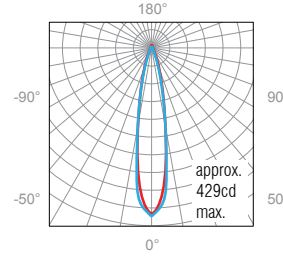
Lumen: 49lm, Spot beam (12°)

Lumen: 78lm, Spot beam (12°)



	Center Beam FC	Beam Width
1.5'	115	0.5'(152mm)
3.0'	28.6	1.0'(305mm)
4.5'	12.7	1.6'(488mm)
6.0'	7.16	2.1'(640mm)
7.5'	4.58	2.6'(792mm)
9.0'	3.18	3.1'(945mm)

0° Spread: 19.8°

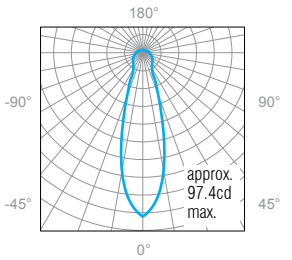


	Center Beam FC	Beam Width
1.5'	190	0.5'(152mm)
3.0'	47.6	1.0'(305mm)
4.5'	21.2	1.5'(457mm)
6.0'	11.9	2.0'(609mm)
7.5'	7.62	2.5'(762mm)
9.0'	5.29	3.0'(914mm)

0° Spread: 19.2°

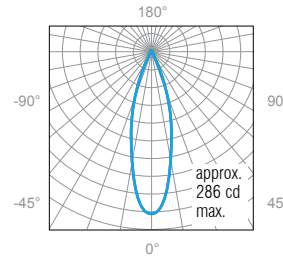
Lumen: 62lm, Narrow beam (30°)

Lumen: 79lm, Narrow beam (30°)



	Center Beam FC	Beam Width
1.5'	43.4	0.8'(244mm) 0.8'(244mm)
3.0'	10.8	1.7'(518mm) 1.6'(487mm)
4.5'	4.81	2.5'(762mm) 2.5'(762mm)
6.0'	2.71	3.3'(1.00m) 3.3'(1.00m)
7.5'	1.73	4.2'(1.28m) 4.1'(1.28m)
9.0'	1.20	5.0'(1.52m) 4.9'(1.49m)

0° Spread: 31.2° 90° Spread: 30.7°

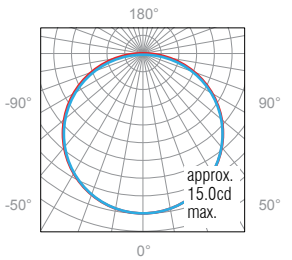


	Center Beam FC	Beam Width
1.5'	127	0.8'(244mm) 0.8'(244mm)
3.0'	31.9	1.5'(457mm) 1.5'(457mm)
4.5'	14.2	2.3'(701mm) 2.3'(701mm)
6.0'	7.97	3.1'(944mm) 3.1'(944mm)
7.5'	5.10	3.8'(1.16m) 3.8'(1.16m)
9.0'	3.54	4.6'(1.40m) 4.6'(1.40m)

0° Spread: 28.5° 90° Spread: 28.5°

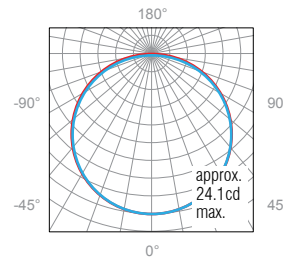
Lumen: 47lm, Wide beam (120°)

Lumen: 75lm, Wide beam (120°)



	Center Beam FC	Beam Width
1.5'	6.65	4.8'(1.46m) 4.9'(1.29m)
3.0'	1.66	9.6'(2.92m) 9.8'(2.99m)
4.5'	0.74	14.4'(4.39m) 14.7'(4.48m)
6.0'	0.42	19.3'(5.88m) 19.6'(5.97m)
7.5'	0.27	24.1'(7.35m) 24.5'(7.46m)
9.0'	0.18	28.9'(8.81m) 29.4'(8.96m)

0° Spread: 116.1° 90° Spread: 117.1°



	Center Beam FC	Beam Width
1.5'	10.7	4.8'(1.46m) 4.9'(1.49m)
3.0'	2.67	9.6'(2.92m) 9.7'(2.95m)
4.5'	1.19	14.4'(4.39m) 14.6'(4.45m)
6.0'	0.67	19.2'(5.85m) 19.4'(5.91m)
7.5'	0.43	24.0'(7.32m) 24.3'(7.41m)
9.0'	0.30	28.9'(8.81m) 29.1'(8.87m)

0° Spread: 114.0° 90° Spread: 113.9°