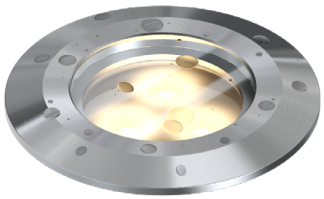
U05

UNDERWATER: CHLORINATED WATER, FRESH WATER & SEA WATER
In-grade | Submersed under water up to 10' (3m) depth.

- Underwater/Swimming Pool/Natatorium Certified

CSA - CLASS 3425 09 -Submersible
CSA - CLASS 3425 89 -Submersible - Certified to US Standards

IP68



Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: U05-7-W30H-N-C-HM2-0-MK1-B-12-S6

Product	Version	CCT & CRI [1]	Beam Angle	Lens	Accessories [2] (optional)	Internal Angle Bracket [3]	Mounting Kit [4] (optional)	Flange & Back Box	Lead Length [5]	Trim Finish
U05										**S6**
	3 1Wx3 **7** 2.5Wx3	**W22S** 2200K 80+ **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W40H** 4000K 90+	**S** spot 12° **N** narrow flood 20° **F** flood 40°	**C** clear **F** frosted	**HM2** hex louver, matte anodized **HB2** hex louver, black anodized **AB2** angled louver, black anodized **SB2** straight louver, black anodized **QB2** square louver, black anodized **RB2** ring louver, black anodized **NB2** narrow louver, black	**0** no angle **30** 30° angle **X** custom	**MK1** vertical surface	**B** back box **F** flange only	**15** 15' (4572mm) **X** custom	**Stainless Steel Finishes:** **S6** stainless steel 316L

System Components (Ordered Separately)

Pool-certified power supply : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. *Refer to pg.2 - for Colour Consistency details.*
2. *With NB2 option, Beam Angle and Angle Bracket cannot be selected.*
3. *Internal angle bracket is factory set, and cannot be field adjusted. 5° increments to maximum of 30° without accessories. Maximum 15° angle with accessories.*
4. *Mounting kit is ordered separately. Please consult factory.*
5. *Custom length available by 1'increments.*

Warranty Notes & Disclaimer

Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. MP Lighting reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products. Consult MP Lighting website for most updated documentation.

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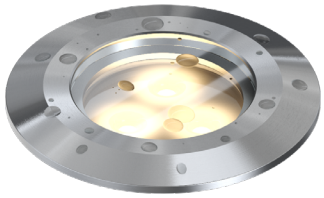


Performance

Wattage	Supply Voltage	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
3W	12V	3.6W	330 lm	201-208.5 lm
7.5W	12V	8.0W	825 lm	383.3-424.7 lm

Application

Environment	Dry / Damp / Wet/ Underwater Location approved. IP 68.
Mounting	**Recessed:** Designed to be placed into earth, gravel, or cast into concrete for submersed applications. **MK1 mounting kit (optional):** Recommended for easy installation on vertical surfaces (e.g. stair risers, walls), and downward-facing surfaces (e.g. ceilings, soffits). See "Mounting Options & Dimensions, " or visit MK1

Electrical

Power Supplies	Compatible with remote pool-certified power supplies
Control	On/off control

Luminaire Construction

LED Light Source	**W22S =** CCT: 2200K, CRI (Ra): 80+, Colour Consistency: 3SDCM **W27H =** CCT: 2700K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W30H =** CCT: 3000K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W35H =** CCT: 3500K, CRI (Ra): 90+, Colour Consistency: 3SDCM (Contact factory for 2SDCM option) **W40H =** CCT: 4000K, CRI (Ra): 90+, Colour Consistency: 2SDCM
Weight	N/A
Material	Stainless steel (316L) with tempered glass
Supplied with	Comes with a 304 stainless steel square back box, a stainless steel 316L flange, an integral leveling device, a plastic cap, and silicone grease. **Wire lead:** 15' (4572mm)
Warranty & LED Life	3 years limited warranty

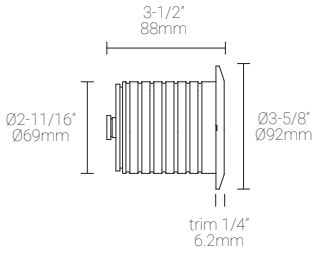
Ordered Separately

System Components	**Power supplies:** remote power supply Please consult factory or visit Recommended Drivers for available driver options. **Mounting kits:** MK1

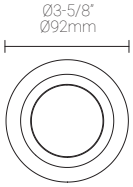
Mounting Options & Dimensions

LED Insert Dimensions

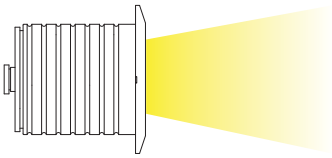
Fixture



Top View

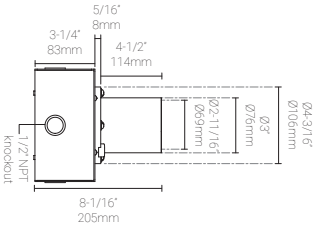


3D View

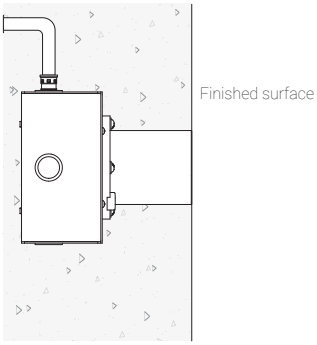


In-ground Installation (shown with MP Lighting Back Box | Order Code: EBX-SQR1-DPS6**)**

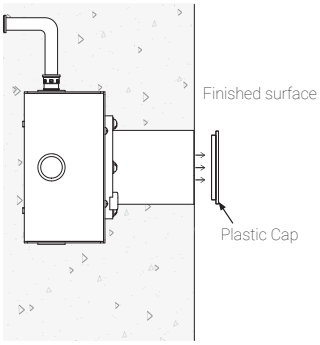
Box with Standard Flange



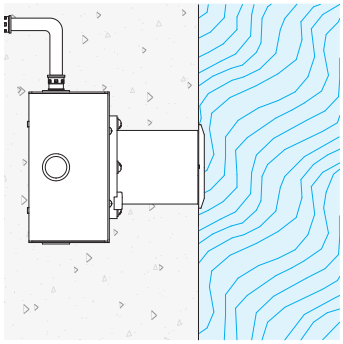
Box with Paving Stone Flange: During Concrete Installation



Box with Paving Stone Flange: During Concrete Installation



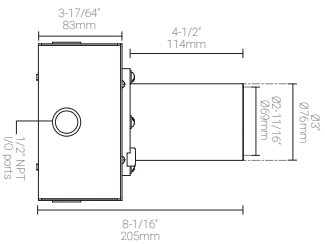
Box with Paving Stone Flange: Complete Concrete Installation



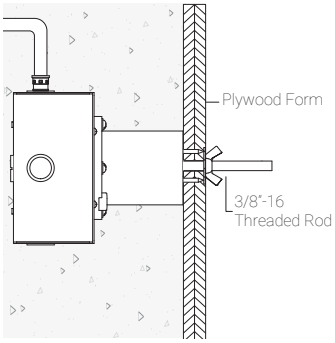
Mounting Kit

MK1: Ceiling, Wall, and Stair Riser Installation (shown with MP Lighting Back Box | Order Code: EBX-SQR1-DPS6**)**

Box with Standard Flange

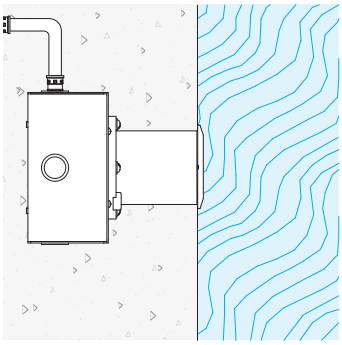


Box with Paving Stone Flange: & MK1: During Installation



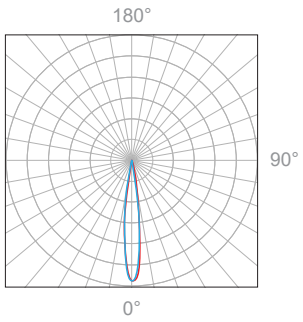
6" (152mm) threaded rod is supplied. Thread size: 3/8"-16

Box with Paving Stone Flange: Complete Installation



3W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°

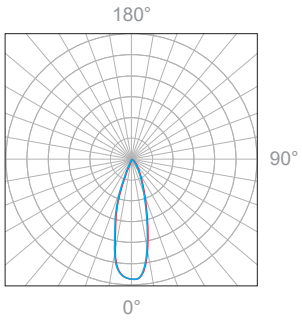
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	208fc	0.7ft	0.21m	0.7ft	0.21m
6.0ft	1.83m	51.9fc	1.5ft	0.45m	1.5ft	0.45m
9.0ft	2.74m	23.1fc	2.2ft	0.67m	2.2ft	0.67m
12ft	3.66m	13.0fc	3.0ft	0.91m	2.9ft	0.88m
15ft	4.57m	8.30fc	3.7ft	1.12m	3.7ft	1.12m
18ft	5.49m	5.77fc	4.5ft	1.37m	4.4ft	1.34m

Delivered Lumen: 206 lm
Vertical Beam Spread: 14.2°
Horizontal Beam Spread: 14°

Tested on 06/09/2026

Polar Candela Distribution



Beam Width: 20°

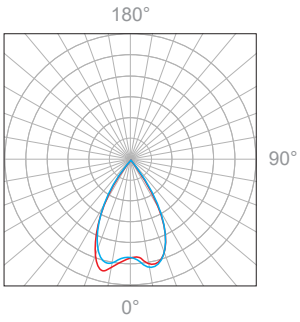
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	149fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	37.2fc	2.1ft	0.64m	2.0ft	0.61m
9.0ft	2.74m	16.5fc	3.1ft	0.94m	3.1ft	0.94m
12ft	3.66m	9.30fc	4.1ft	1.25m	4.1ft	1.25m
15ft	4.57m	5.95fc	5.1ft	1.55m	5.1ft	1.55m
18ft	5.49m	4.13fc	6.2ft	1.89m	6.1ft	1.86m

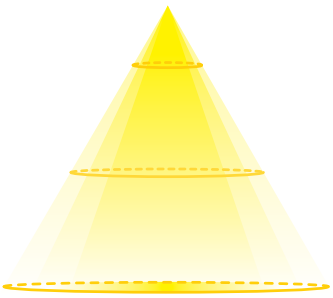
Delivered Lumen: 208.5 lm
Vertical Beam Spread: 19.5°
Horizontal Beam Spread: 19.3°

Tested on 06/09/2026

Polar Candela Distribution



Beam Width: 40°



Illuminance at a Distance

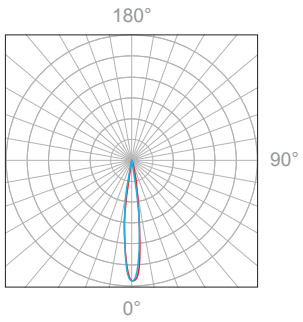
Distance		Center Beam	Beam Width			
3.0ft	0.91m	34.1fc	2.1ft	0.64m	2.1ft	0.64m
6.0ft	1.83m	8.53fc	4.3ft	1.31m	4.3ft	1.31m
9.0ft	2.74m	3.79fc	6.4ft	1.95m	6.4ft	1.95m
12ft	3.66m	2.13fc	8.6ft	2.62m	8.5ft	2.59m
15ft	4.57m	1.36fc	10.7ft	3.26m	10.6ft	3.23m
18ft	5.49m	0.95fc	12.9ft	3.93m	12.8ft	3.90m

Delivered Lumen: 201 lm
Vertical Beam Spread : 39.3°
Horizontal Beam Spread : 39.1°

Tested on 06/09/2026

7.5W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 12°

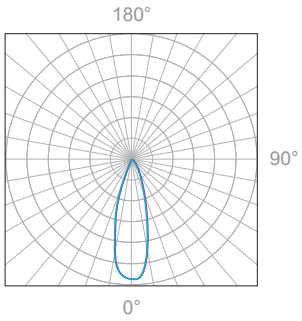
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	417fc	0.8ft	0.24m	0.8ft	0.24m
6.0ft	1.83m	104fc	1.5ft	0.45m	1.5ft	0.45m
9.0ft	2.74m	46.3fc	2.3ft	0.70m	2.3ft	0.70m
12ft	3.66m	26.0fc	3.1ft	0.94m	3.1ft	0.94m
15ft	4.57m	16.7fc	3.8ft	1.15m	3.9ft	1.18m
18ft	5.49m	11.6fc	4.6ft	1.40m	4.6ft	1.40m

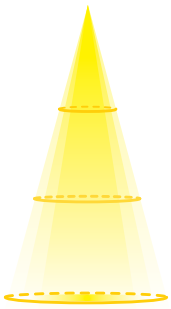
Delivered Lumen: 424.7 lm
Vertical Beam Spread: 14.5°
Horizontal Beam Spread: 14.7°

Tested on 06/09/2026

Polar Candela Distribution



Beam Width: 20°



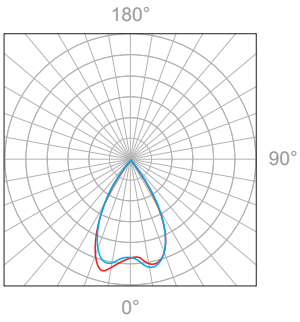
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	280fc	1.0ft	0.30m	1.0ft	0.30m
6.0ft	1.83m	69.9fc	2.1ft	0.64m	2.1ft	0.64m
9.0ft	2.74m	31.1fc	3.1ft	0.94m	3.1ft	0.94m
12ft	3.66m	17.5fc	4.1ft	1.25m	4.1ft	1.25m
15ft	4.57m	11.2fc	5.1ft	1.55m	5.1ft	1.55m
18ft	5.49m	7.77fc	6.2ft	1.89m	6.2ft	1.89m

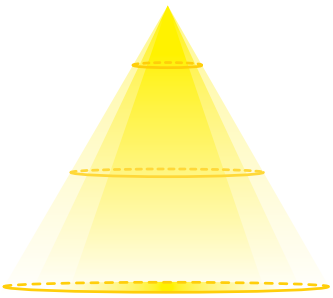
Delivered Lumen: 384.1 lm
Vertical Beam Spread: 19.5°
Horizontal Beam Spread: 19.4°

Tested on 06/09/2026

Polar Candela Distribution



Beam Width: 40°



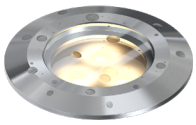
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	64.3fc	2.1ft	0.64m	2.1ft	0.64m
6.0ft	1.83m	16.1fc	4.3ft	1.31m	4.2ft	1.28m
9.0ft	2.74m	7.15fc	6.4ft	1.95m	6.4ft	1.95m
12ft	3.66m	4.02fc	8.6ft	2.62m	8.5ft	2.59m
15ft	4.57m	2.57fc	10.7ft	3.26m	10.6ft	3.23m
18ft	5.49m	1.79fc	12.9ft	3.93m	12.7ft	3.87m

Delivered Lumen: 383.3 lm
Vertical Beam Spread : 39.3°
Horizontal Beam Spread : 38.9°

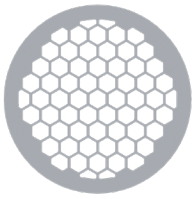
Tested on 06/09/2026

Appendix

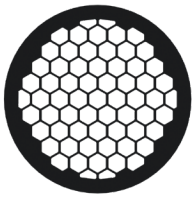


S6 stainless steel 316L

Accessories

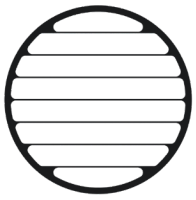


HM2 hex louver, matte clear anodized

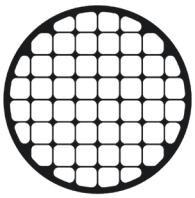


HB2 hex louver, black anodized

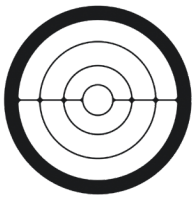
AB2 angled louver, black anodized



SB2 straight louver, black anodized



QB2 square louver, black anodized



RB2 ring louver, black anodized

NB2 narrow beam louver, black