U331

UNDERWATER: SEA WATER, CHLORINATED WATER & FRESHWATER

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: U331-W30H-C-3-B-12-S6

Product	CCT & CRI [1]	Lens	Threaded Pipe [2]	Flange & Back Box [3]	Lead Length [4]	Trim Finish
U331			**3**			**S6**
	W22S 2200K 80+ **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W41H** 4100K 90+	**C** clear **F** frosted	**3** 3" (76mm)	**B** back box **F** flange only	**15** 15' (4572mm) **X** custom	**S6** stainless steel 316

System Components (Ordered Separately)

Underwater certified power supply : _____

* Consult MP Lighting Website or Factory.

Order Guide Important Notes

Specification

1. *Refer to pg.02 - for Colour Consistency details.*
2. *Fixed threaded pipe length: 3" (76mm)*
3. *For components included, refer to Luminaire Construction section. For custom box and flange options, consult MP factory.*
4. *Custom lengths available by 1' (305mm) 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	Driver Input Voltage	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
0.2W	100-277V	0.2W	22 lm	2.7 lm

Application

Environment	Underwater / Wet / Damp / Dry Location approved. IP 68.
Mounting	**Recessed:** Designed to be placed into earth, gravel, or cast into concrete for submersed applications.

Electrical

Power Supply	Compatible with remote pool certified 60W, 12V DC, 0-10V dimmable driver.
Control	**On/off control** **Dimming:** 0-10V dimming

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: 2SDCM **W41H =** CCT: 4100K, CRI (Ra): 90+, Colour Consistency: 3SDCM
Weight	0.058 lbs (26.5 g). Stainless Steel 316 Insert only.
Material	**Fixture:** Stainless steel (316) with tempered glass.
Supplied with	**Standard installation housing:** Comes with a 304 stainless steel square back box, and brass/stainless steel 316 threaded pipe and flange, an integral leveling device, a plastic cap, gel filled wire nuts, and silicone grease. **Wire lead:** 15' (4572mm)
Warranty & LED Life	3 years limited warranty.

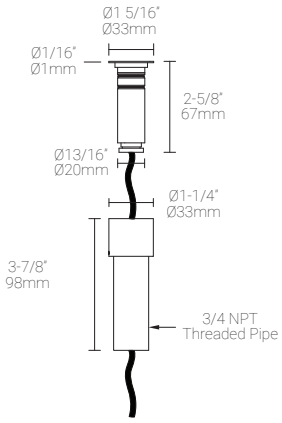
Ordered Separately

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

Mounting Options & Dimensions

LED Insert Dimensions

Fixture:
LED Insert & Threaded Pipe



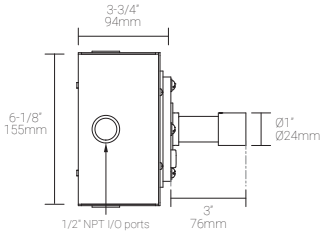
3D View:
LED Insert

3D View:
LED Insert & Threaded Pipe

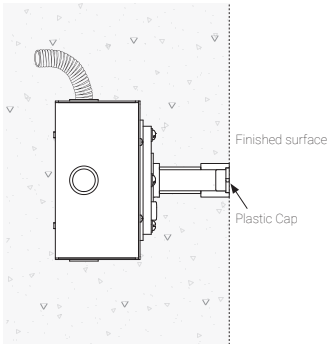
Beam

Concrete Installation (shown with MP Lighting Back Box | Order Code: EBX-SQR1-AS6)

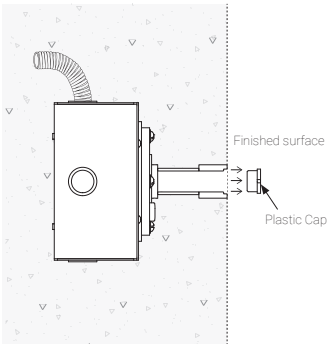
Box with Threaded Pipe



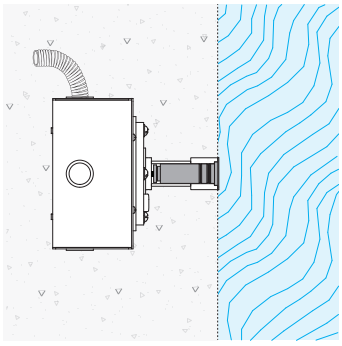
Box with Threaded Pipe:
During Concrete Installation



Box with Threaded Pipe:
During Concrete Installation

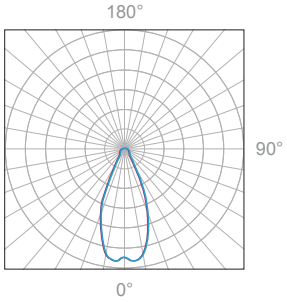


Box with Threaded Pipe & LED Insert: Complete Concrete Installation

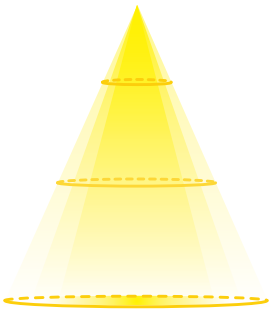


0.2W, 2700K, 90+ CRI

Polar Candela Distribution



Beam Width: 46°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
0.2ft	0.06m	115fc	1.2ft	0.37m	1.3ft	0.39m
0.3ft	0.09m	66fc	2.5ft	0.76m	2.5ft	0.30m
0.5ft	0.15m	26fc	3.7ft	1.13m	3.8ft	1.16m
0.7ft	0.21m	13fc	4.9ft	1.49m	5.0ft	1.52m
0.8ft	0.24m	10fc	6.2ft	1.89m	6.3ft	1.92m
1.0ft	0.30m	5fc	7.4ft	2.26m	7.5ft	2.29m

Delivered Lumen: 2.7lm
Vertical Beam Spread: 44.6°
Horizontal Beam Spread: 45.3°