M340

EXTERIOR | INTERIOR

In-grade | For decks, ceilings, walls, and stairs

- Wet, Damp, and Dry location

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: M340-2-W30H-N-C-[ ]-0-S6

Product	Wattage	CCT & CRI	Beam Angle [1]	Lens	Accessories [2] (optional)	Internal Angle Bracket [4]	Trim Finish
M340							**S6**
	1 1W **2** 2W	**W22S** 2200K 80+ **W27H** 2700K 90+ **W30H** 3000K 90+ **W35H** 3500K 90+ **W41H** 4100K 90+	**E** elliptical 7°+36° **SS** super spot 8° **S** spot 12° **N** narrow flood 30° **F** flood 45° **W** wide flood 120°	**C** clear **F** frosted **CA** clear anti-slip **FA** frosted anti-slip	**LM** louver, matte anodized **LB** louver, black anodized **HM** hex louver, matte anodized **HB** hex louver, black anodized **AB** angled louver, black anodized **SB** straight louver, black anodized **QB** square louver, black anodized **RB** ring louver, black anodized	**0** no angle **15** 15° angle **X** custom	**Stainless Steel Finish:** **S6** stainless steel 316

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. *Refer to pg.02 - Electrical for Light Quality & Colour Consistency details.*
2. *See Light Distribution section for illustration of different combinations of beam angles and angle bracket.*
3. *Louvers will be below the glass cover. Only available when there is no Internal Angle Bracket.*
4. *Internal angle bracket is factory set, and cannot be field adjusted. 5° increments to a maximum of 15° without accessories.*

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.

M340

EXTERIOR | INTERIOR
In-grade | For decks, ceilings, walls, and stairs

- Wet, Damp, and Dry location

Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
1W	350mA	1.3W	110 lm	27-77.7 lm
2W	700mA	2.6W	220 lm	49-139.1 lm

Application

Environment	Wet / Damp / Dry Location approved. IP 68.
Drive Over Rating	9,700 lbs (4,400 kg)
Mounting	**Recessed:** Designed to be inserted into the surface and secured with two screws (included).

Electrical

Power Supplies	Remote LED drivers (converter driver from constant voltage output to constant current output, 350mA to 700mA): Fixtures to be wired in series.
Control	**On/off control | Dimming:** ELV or 0-10V dimming with appropriate drivers **Other options (consult factory):** TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet

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 **W41H =** CCT: 4100K, CRI (Ra): 90+, Colour Consistency: 3SDCM
Standard Compliance	✓ADA-compliant ✓WELL standard – Feature 58: Color Quality
Weight	N/A
Material	**Fixture:** machined stainless steel (316)
Supplied with	**Standard installation housing:** Comes with two pointed end self-tapping #8-32 screws, 6" (152mm) factory-installed wire lead. **Optional**: waterproof (IP 66) enclosure box with 1 or 2 cable glands, 1 vent, and aluminum plate.
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

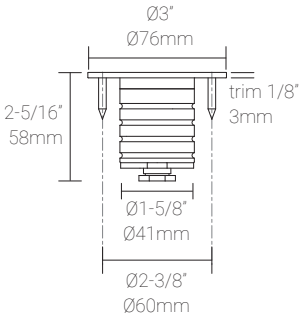
Ordered Separately

System Components	**Enclosure box:** remote driver Please consult factory or visit Recommended Drivers for available driver options. Please consult factory or visit Marine Enclosure Boxes for available enclosure box options.

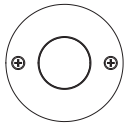
Mounting Options & Dimensions

LED Insert Dimensions

Fixture

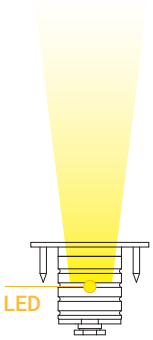


Top View



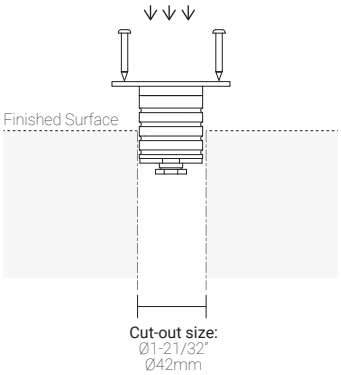
3D View

Beam

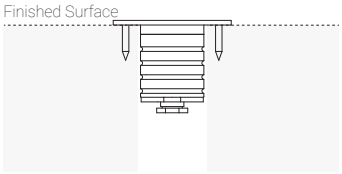


Installation with screws

Fixture with self-tapping screws:
During Installation



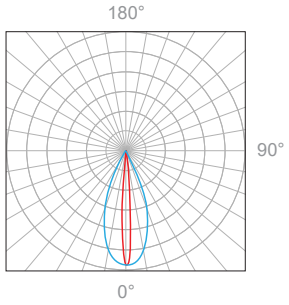
Fixture with self-tapping screws:
Complete Installation



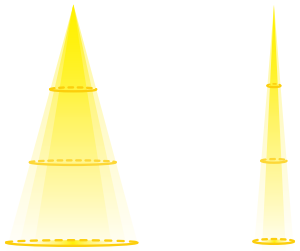
Two pointed end self-tapping
#8-32 screws provided.

1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 7° + 36°

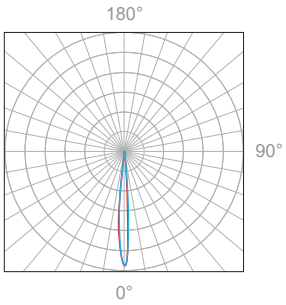


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	92.9fc	1.0ft	0.30m	0.2ft	0.06m
3.0ft	0.91m	23.2fc	2.0ft	0.61m	0.4ft	0.12m
4.5ft	1.37m	10.3fc	2.9ft	0.88m	0.5ft	0.15m
6.0ft	1.83m	5.81fc	3.9ft	1.18m	0.7ft	0.21m
7.5ft	2.29m	3.72fc	4.9ft	1.49m	0.9ft	0.27m
9.0ft	2.74m	2.58fc	5.9ft	1.79m	1.0ft	0.30m

Delivered Lumen: 27 lm
Vertical Beam Spread: 36.1°
Horizontal Beam Spread: 6.7°

Polar Candela Distribution



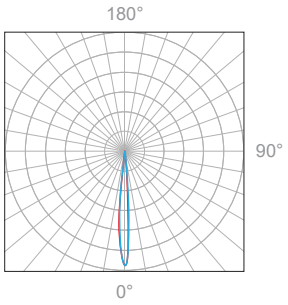
Beam Width: 8°

Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	537fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	134fc	0.4ft	0.12m	0.5ft	0.15m
4.5ft	1.37m	59.6fc	0.6ft	0.18m	0.7ft	0.21m
6.0ft	1.83m	33.5fc	0.8ft	0.24m	0.9ft	0.27m
7.5ft	2.29m	21.5fc	1.1ft	0.33m	1.2ft	0.36m
9.0ft	2.74m	14.9fc	1.3ft	0.39m	1.4ft	0.42m

Delivered Lumen: 46.2 lm
Vertical Beam Spread: 8.1°
Horizontal Beam Spread: 8.8°

Polar Candela Distribution



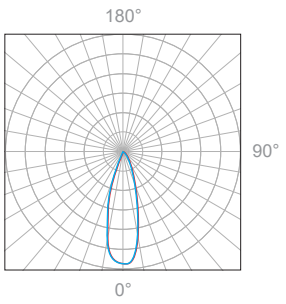
Beam Width: 12°

Illuminance at a Distance

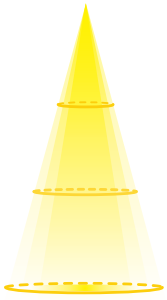
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	424fc	0.3ft	0.09m	0.3ft	0.09m
3.0ft	0.91m	140fc	0.6ft	0.18m	0.6ft	0.18m
4.5ft	1.37m	62fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	35fc	1.3ft	0.39m	1.3ft	0.39m
7.5ft	2.29m	23fc	1.6ft	0.48m	1.6ft	0.48m
9.0ft	2.74m	16fc	1.9ft	0.58m	1.9ft	0.58m

Delivered Lumen: 63.4 lm
Vertical Beam Spread: 12°
Horizontal Beam Spread: 12°

Polar Candela Distribution



Beam Width: 30°



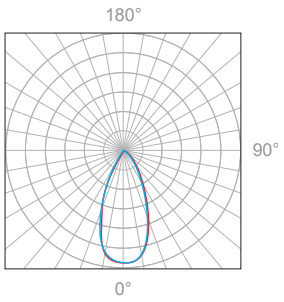
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	82.3fc	0.8ft	0.24m	0.8ft	0.24m
3.0ft	0.91m	20.6fc	1.6ft	0.49m	1.6ft	0.49m
4.5ft	1.37m	9.14fc	2.4ft	0.73m	2.4ft	0.73m
6.0ft	1.83m	5.14fc	3.2ft	0.98m	3.2ft	0.98m
7.5ft	2.29m	3.29fc	4.0ft	1.22m	4.0ft	1.22m
9.0ft	2.74m	2.29fc	4.7ft	1.43m	4.7ft	1.43m

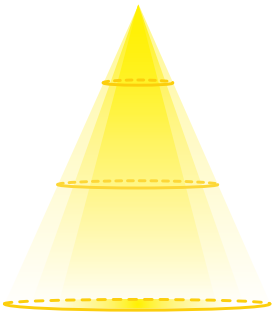
Delivered Lumen: 65.8 lm
Vertical Beam Spread: 29.5°
Horizontal Beam Spread: 29.5°

1W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 45°

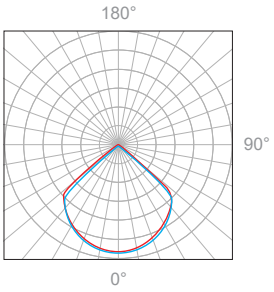


Illuminance at a Distance

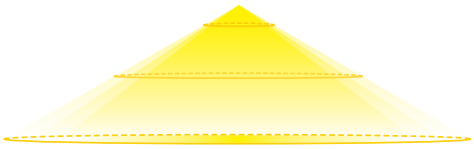
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	12.1fc	2.6ft	0.79m	2.5ft	0.76m
6.0ft	1.83m	3.04fc	5.1ft	1.55m	5.1ft	1.55m
9.0ft	2.74m	1.35fc	7.7ft	2.34m	7.6ft	2.31m
12.0ft	3.65m	0.76fc	10.2ft	3.10m	10.1ft	3.07m
15.0ft	4.57m	0.49fc	12.8ft	3.90m	12.6ft	3.84m
18.0ft	5.48m	0.34fc	15.4ft	4.69m	15.2ft	4.63m

Delivered Lumen: 77.7 lm
Vertical Beam Spread : 46.2°
Horizontal Beam Spread : 45.7°

Polar Candela Distribution



Beam Width: 120°



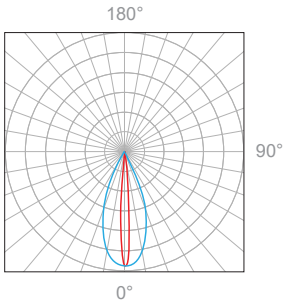
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	11.3fc	4.1ft	1.25m	4.1ft	1.25m
3.0ft	0.91m	2.82fc	8.1ft	2.46m	8.1ft	2.46m
4.5ft	1.37m	1.26fc	12.2ft	3.71m	12.2ft	3.71m
6.0ft	1.83m	0.71fc	16.3ft	4.96m	16.3ft	4.96m
7.5ft	2.29m	0.45fc	20.3ft	6.18m	20.3ft	6.18m
9.0ft	2.74m	0.31fc	24.4ft	7.43m	24.4ft	7.43m

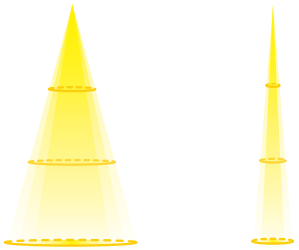
Delivered Lumen: 63 lm
Vertical Beam Spread : 107.1°
Horizontal Beam Spread : 107.1°

2W, 3000K, 90+ CRI

Polar Candela Distribution



Beam Width: 7° + 36°

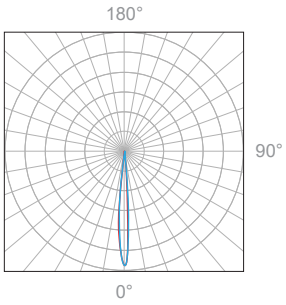


Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	165fc	1.0ft	0.30m	0.2ft	0.06m
3.0ft	0.91m	41.3fc	2.0ft	0.61m	0.4ft	0.12m
4.5ft	1.37m	18.3fc	2.9ft	0.88m	0.5ft	0.15m
6.0ft	1.83m	10.3fc	3.9ft	1.18m	0.7ft	0.21m
7.5ft	2.29m	6.60fc	4.9ft	1.49m	0.9ft	0.27m
9.0ft	2.74m	4.59fc	5.9ft	1.79m	1.1ft	0.33m

Delivered Lumen: 49 lm
Vertical Beam Spread: 36.3°
Horizontal Beam Spread: 6.8°

Polar Candela Distribution



Beam Width: 8°

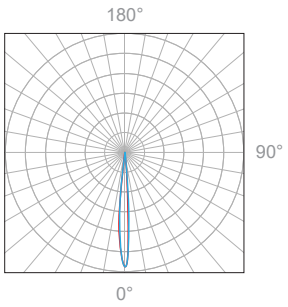
Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	1,015fc	0.2ft	0.06m	0.2ft	0.06m
3.0ft	0.91m	254fc	0.4ft	0.12m	0.4ft	0.12m
4.5ft	1.37m	113fc	0.7ft	0.21m	0.6ft	0.18m
6.0ft	1.83m	63.4fc	0.9ft	0.27m	0.9ft	0.27m
7.5ft	2.29m	40.6fc	1.1ft	0.33m	1.1ft	0.33m
9.0ft	2.74m	28.2fc	1.3ft	0.39m	1.3ft	0.39m

Delivered Lumen: 61.3 lm
Vertical Beam Spread: 8.5°
Horizontal Beam Spread: 8.2°

2W, 3000K, 90+ CRI

Polar Candela Distribution



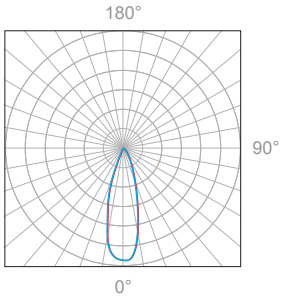
Beam Width: 12°

Illuminance at a Distance

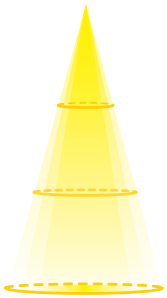
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	774fc	0.3ft	0.09m	0.3ft	0.09m
3.0ft	0.91m	194fc	0.6ft	0.18m	0.6ft	0.18m
4.5ft	1.37m	86fc	0.9ft	0.27m	0.9ft	0.27m
6.0ft	1.83m	48.4fc	1.3ft	0.39m	1.3ft	0.39m
7.5ft	2.29m	31fc	1.6ft	0.48m	1.6ft	0.48m
9.0ft	2.74m	21.5fc	1.9ft	0.58m	1.9ft	0.58m

Delivered Lumen: 116.8 lm
Vertical Beam Spread: 12°
Horizontal Beam Spread: 12°

Polar Candela Distribution



Beam Width: 30°

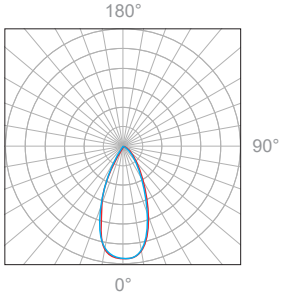


Illuminance at a Distance

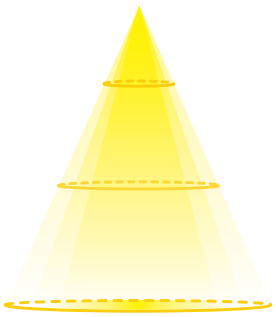
Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	152fc	0.8ft	0.24m	0.8ft	0.24m
3.0ft	0.91m	38fc	1.6ft	0.48m	1.6ft	0.48m
4.5ft	1.37m	16.9fc	2.4ft	0.73m	2.4ft	0.73m
6.0ft	1.83m	9.49fc	3.2ft	0.97m	3.2ft	0.97m
7.5ft	2.29m	6.07fc	4.0ft	1.22m	4.0ft	1.22m
9.0ft	2.74m	4.22fc	4.7ft	1.43m	4.7ft	1.43m

Delivered Lumen: 121 lm
Vertical Beam Spread: 29.5°
Horizontal Beam Spread: 29.5°

Polar Candela Distribution



Beam Width: 45°

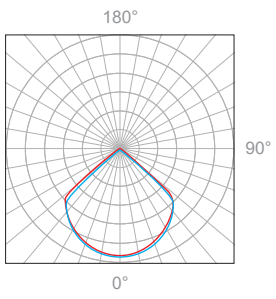


Illuminance at a Distance

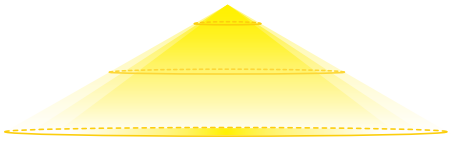
Distance		Center Beam fc	Beam Width			
3.0ft	0.91m	21.8fc	2.6ft	0.79m	2.6ft	0.79m
6.0ft	1.83m	5.45fc	5.2ft	1.58m	5.1ft	1.55m
9.0ft	2.74m	2.42fc	7.7ft	2.34m	7.7ft	2.34m
12.0ft	3.65m	1.36fc	10.3ft	3.13m	10.2ft	3.10m
15.0ft	4.57m	0.87fc	12.9ft	3.93m	12.8ft	3.90m
18.0ft	5.48m	0.61fc	15.5ft	4.72m	15.3ft	4.66m

Delivered Lumen: 139.1 lm
Vertical Beam Spread : 46.5°
Horizontal Beam Spread : 46.1°

Polar Candela Distribution



Beam Width: 120°



Illuminance at a Distance

Distance		Center Beam fc	Beam Width			
1.5ft	0.46m	21.3fc	4.1ft	1.25m	4.1ft	1.25m
3.0ft	0.91m	5.33fc	8.1ft	2.46m	8.1ft	2.46m
4.5ft	1.37m	2.37fc	12.2ft	3.71m	12.2ft	3.71m
6.0ft	1.83m	1.33fc	16.3ft	4.96m	16.3ft	4.96m
7.5ft	2.29m	0.85fc	20.3ft	6.18m	20.3ft	6.18m
9.0ft	2.74m	0.59fc	24.4ft	7.43m	24.4ft	7.43m

Delivered Lumen: 119 lm
Vertical Beam Spread : 107.1°
Horizontal Beam Spread : 107.1°