L368

EXTERIOR | INTERIOR

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

- Wet, Damp, and Dry location

Ordering Information

Clear Form

Date : _____

Project : _____

Type : _____

Quantity : _____

Note : _____

Specifications

Luminaire | Example Code: L368-8-W30H-N-C-MK3-S-S6

Product	Version	CCT & CRI	Beam Angle	Lens	Mounting Kit [2] (optional)	Flange & Back Box [3,4,5]	Trim Finish
L368							**S6**
	4 4W **8** 8W **6** 6W [1]	**W27H** 2700K 90+ **W30H** 3000K 90+ **WD** warm dimming (1800K-3000K, 95+ CRI)	**S** spot 12° **N** narrow flood 30° **W** wide flood 60°	**C** clear **F** frosted	**MK1** vertical surface **MK3** in-ground	**Octagonal Aluminum Back Box with:** **S** standard flange depth: 2-1/2" (65mm) **P** paving stone flange depth: 4-1/2" (114mm) **NB** no back box or flange	**Stainless Steel Finish:** **S6** stainless steel 316

System Components (Ordered Separately)

Remote Driver : _____

* Consult MP Lighting Website or Factory.

Important Notes

Specification

1. *6W option is only available with Warm Dimming.*
2. *Mounting kit is ordered separately. Please consult factory.*
3. *For components included, refer to Luminaire Construction section.*
4. *For custom box and flange options, consult MP factory.*
5. *Paving stone flange is also recommended for a better cement/concrete flow.*

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.

L368

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

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Performance

Wattage	Forward Current	Power Consumption Budget per fixture (including driver)	LED output (Source)	Fixture Output (Delivered)
4W	350mA	4.0W	440 lm	176.3-182.8 lm
8W	700mA	8.0W	880 lm	307.6-320.6 lm
6W	350mA	6.0W	660 lm	140.1-146 lm

Application

Environment	Wet / Damp / Dry Location approved. IP 66.
Drive Over Rating	9,700 lbs (4,400 kg)
Mounting	**Recessed:** Designed to be cast into concrete or placed into earth, gravel, paving stones or pavers. Includes backbox, flange and level for direct burial or casting 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 **MK3 mounting kit (optional):** Recommended for thicker concrete slab and paving stone in-ground installation. Custom rectangular electrical box option is available for stair riser&wall installation. See "Mounting Options & Dimensions, " or visit MK3

Electrical

Power Supplies	Remote LED drivers (120-277V AC input, **constant current output**): Fixtures to be wired in series. Remote LED drivers (120-277V AC input, **constant voltage output**): Fixtures to be wired in parallel.
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	**W27H =** CCT: 2700K, CRI (Ra): 90+, Colour Consistency: 2SDCM **W30H =** CCT: 3000K, CRI (Ra): 90+, Colour Consistency: 2SDCM
Weight	2.56 lbs (1.16 kg). Typical Aluminum Insert & Back Box only.
Material	**Fixture:** machined stainless steel (316) with tempered glass
Supplied with	**Standard installation housing:** Comes with an octagonal back box, a flange, an integral leveling device, a plastic cap, gel filled wire nuts, and silicone grease. **Cable:** 6" (152mm) factory-installed wire lead
Warranty & LED Life	5 years limited warranty Estimated useful life of LED is 50,000 hours.

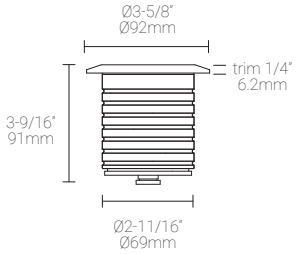
Ordered Separately

System Components	**Power supplies:** remote driver Please consult factory or visit Recommended Drivers for available driver options. **Mounting kits:** MK1 or MK3 (custom length rebar in MK3 supplied by contractors)

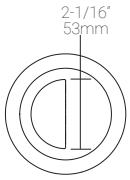
Mounting Options & Dimensions

LED Insert Dimensions

Fixture

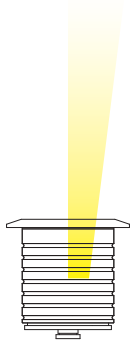


Top View



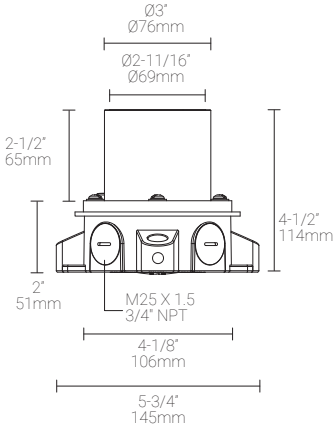
3D View

Beam

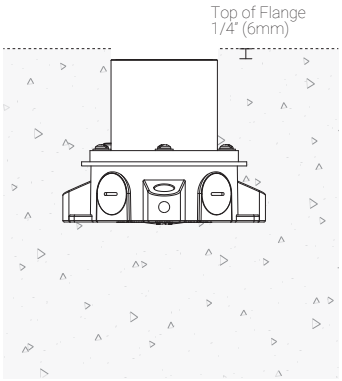


In-ground Installation (shown with MP Lighting Back Box | Order Code: EBX-OCT1-DSMA**)**

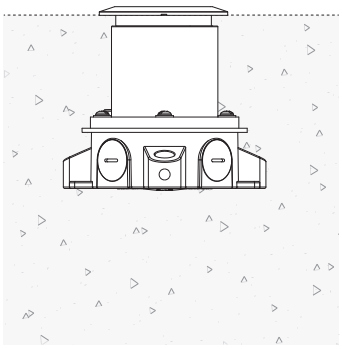
Box with Standard Flange



Box with Standard Flange:
During Concrete Installation

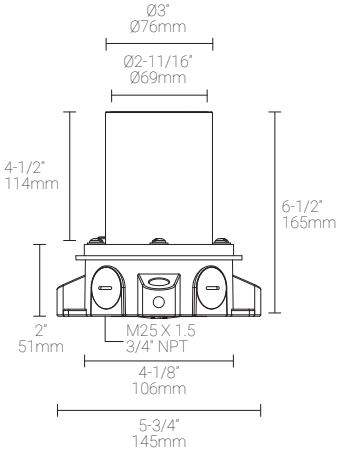


Box with Standard Flange:
Complete Concrete Installation

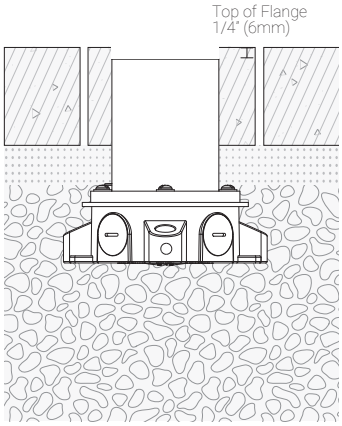


In-ground Installation (shown with MP Lighting Back Box | Order Code: EBX-OCT1-DPMA**)**

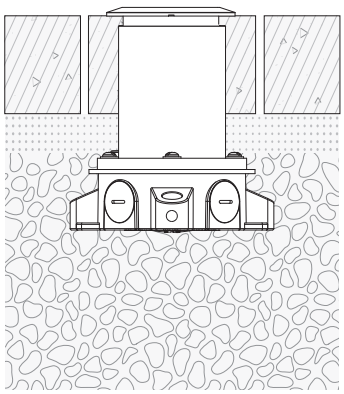
Box with Paving Stone Flange:



Box with Paving Stone Flange:
During Paving Stone Installation



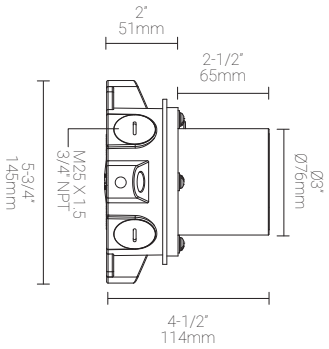
Box with Paving Stone Flange:
Complete Paving Stone Installation



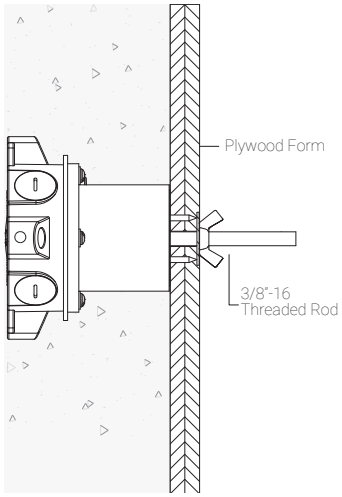
Mounting Kits

MK1: Ceiling, Wall, and Stair Riser Installation (shown with MP Lighting Back Box | Order Code: EBX-OCT1-DSMA**)**

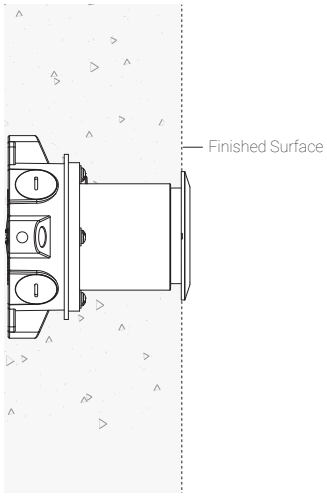
Box with Standard Flange



Box with Standard Flange & MK1: During Installation

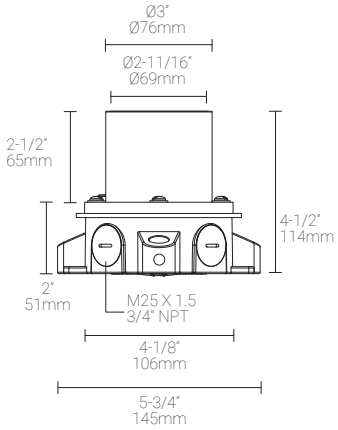


Box with Standard Flange: Complete Installation

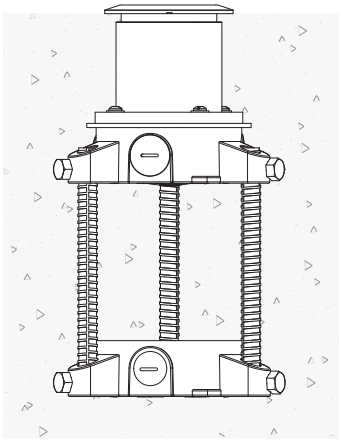


MK3: In-ground Installation (shown with MP Lighting Back Box | Order Code: EBX-OCT1-DSMA or EBX-OCT1-DPMA**)**

Standard Flange and Back Box (EBX-OCT1-DSMA)

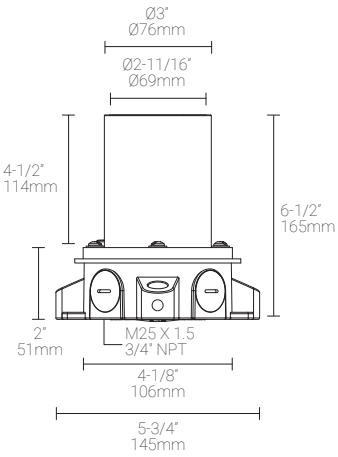


MK3 with Standard Flange and Back Box

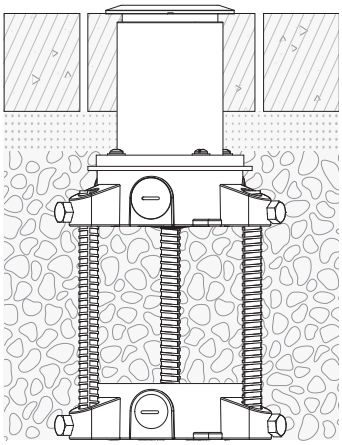


Rebar supplied by others.
Recommended size: Ø1/2"

Paving Stone Flange and Back Box (EBX-OCT1-DPMA)



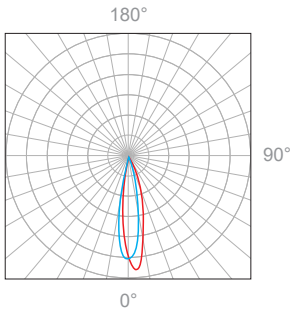
MK3 with Paving Stone Flange and Back Box



Rebar supplied by others.
Recommended size: Ø1/2"

4W, 3000K, 90+ CRI, Clear Lens

Polar Candela Distribution



Beam Width: 12°

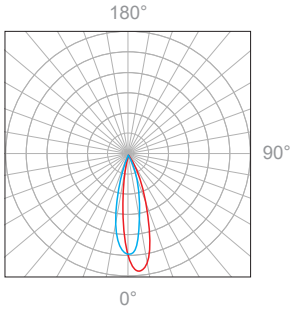
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	228fc	0.5ft	0.15m	0.5ft	0.15m
6.0ft	1.83m	56.9fc	0.9ft	0.27m	1.1ft	0.33m
9.0ft	2.74m	25.3fc	1.4ft	0.43m	1.6ft	0.49m
12ft	3.66m	14.2fc	1.8ft	0.54m	2.1ft	0.64m
15ft	4.57m	9.11fc	2.3ft	0.70m	2.7ft	0.82m
18ft	5.49m	6.33fc	2.7ft	0.82m	3.2ft	0.97m

Delivered Lumen: 176.3 lm
Vertical Beam Spread: 8.7°
Horizontal Beam Spread: 10.2°

Tested on 07/10/2024

Polar Candela Distribution



Beam Width: 30°

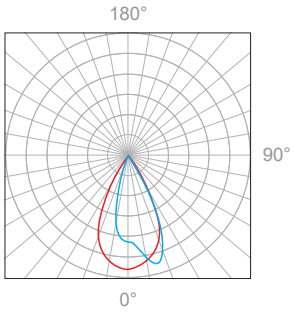
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	54.3fc	1.6ft	0.48m	1.4ft	0.42m
6.0ft	1.83m	13.6fc	3.2ft	0.97m	2.8ft	0.85m
9.0ft	2.74m	6.03fc	4.8ft	1.46m	4.1ft	1.25m
12ft	3.66m	3.39fc	6.5ft	1.98m	5.5ft	1.67m
15ft	4.57m	2.17fc	8.1ft	2.46m	6.9ft	2.10m
18ft	5.49m	1.51fc	9.7ft	2.95m	8.3ft	2.53m

Delivered Lumen: 178.6 lm
Vertical Beam Spread: 30.2°
Horizontal Beam Spread: 25.9°

Tested on 07/10/2024

Polar Candela Distribution



Beam Width: 60°

Illuminance at a Distance

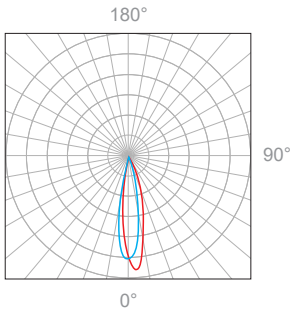
Distance		Center Beam	Beam Width			
3.0ft	0.91m	28.2fc	2.4ft	0.73m	3.1ft	0.94m
6.0ft	1.83m	7.06fc	4.8ft	1.46m	6.1ft	1.86m
9.0ft	2.74m	3.14fc	7.2ft	2.19m	9.2ft	2.80m
12ft	3.66m	1.76fc	9.7ft	2.95m	12.3ft	3.75m
15ft	4.57m	1.13fc	12.0ft	3.65m	15.4ft	4.69m
18ft	5.49m	0.78fc	14.4ft	4.39m	18.4ft	5.60m

Delivered Lumen: 182.8 lm
Vertical Beam Spread: 43.7°
Horizontal Beam Spread: 54.2°

Tested on 07/10/2024

8W, 3000K, 90+ CRI, Clear Lens

Polar Candela Distribution



Beam Width: 12°

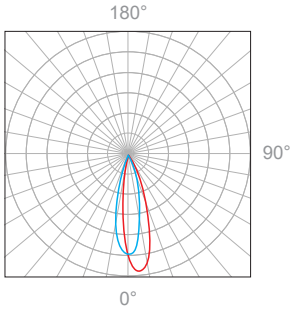
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	401fc	0.4ft	0.12m	0.6ft	0.18m
6.0ft	1.83m	100fc	0.9ft	0.27m	1.1ft	0.33m
9.0ft	2.74m	44.6fc	1.3ft	0.39m	1.7ft	0.51m
12ft	3.66m	25.1fc	1.8ft	0.54m	2.2ft	0.67m
15ft	4.57m	16.0fc	2.2ft	0.67m	2.8ft	0.85m
18ft	5.49m	11.1fc	2.7ft	0.82m	3.3ft	1.00m

Delivered Lumen: 307.6 lm
Vertical Beam Spread: 8.6°
Horizontal Beam Spread: 10.6°

Tested on 07/10/2024

Polar Candela Distribution



Beam Width: 30°

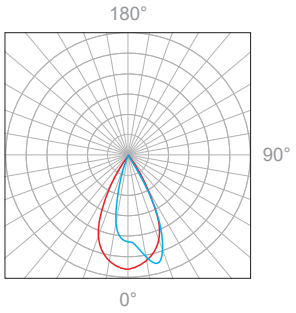
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	94.5fc	1.6ft	0.48m	1.4ft	0.42m
6.0ft	1.83m	23.6fc	3.2ft	0.97m	2.8ft	0.85m
9.0ft	2.74m	10.5fc	4.9ft	1.49m	4.1ft	1.25m
12ft	3.66m	5.91fc	6.5ft	1.98m	5.5ft	1.67m
15ft	4.57m	3.78fc	8.2ft	2.49m	6.9ft	2.10m
18ft	5.49m	2.63fc	9.8ft	2.98m	8.3ft	2.53m

Delivered Lumen: 310.2 lm
Vertical Beam Spread: 30.4°
Horizontal Beam Spread: 25.9°

Tested on 07/10/2024

Polar Candela Distribution



Beam Width: 60°

Illuminance at a Distance

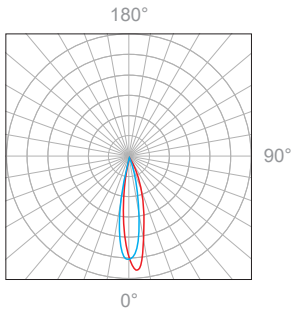
Distance		Center Beam	Beam Width			
3.0ft	0.91m	49.3fc	2.4ft	0.73m	3.1ft	0.94m
6.0ft	1.83m	12.3fc	4.9ft	1.49m	6.1ft	1.86m
9.0ft	2.74m	5.48fc	7.4ft	2.25m	9.2ft	2.80m
12ft	3.66m	3.08fc	9.9ft	3.01m	12.2ft	3.72m
15ft	4.57m	1.97fc	12.3ft	3.75m	15.3ft	4.66m
18ft	5.49m	1.37fc	14.8ft	4.51m	18.3ft	5.57m

Delivered Lumen: 320.6 lm
Vertical Beam Spread: 44.7°
Horizontal Beam Spread: 53.9°

Tested on 07/10/2024

6W, Warm Dim, 90+ CRI, Clear Lens

Polar Candela Distribution



Beam Width: 12°

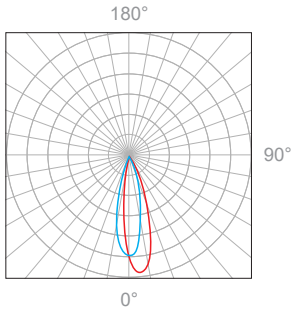
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	83.3fc	1.0ft	0.30m	0.9ft	0.27m
6.0ft	1.83m	20.8fc	1.9ft	0.58m	1.9ft	0.58m
9.0ft	2.74m	9.25fc	2.9ft	0.88m	2.8ft	0.85m
12ft	3.66m	5.20fc	3.8ft	1.15m	3.7ft	1.12m
15ft	4.57m	3.33fc	4.8ft	1.46m	4.6ft	1.40m
18ft	5.49m	2.31fc	5.8ft	1.76m	5.6ft	1.70m

Delivered Lumen: 140.1 lm
Vertical Beam Spread: 18.2°
Horizontal Beam Spread: 17.6°

Tested on 28/02/2024

Polar Candela Distribution



Beam Width: 30°

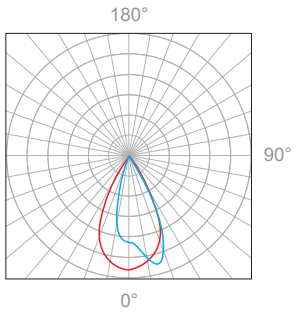
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	31.1fc	1.7ft	0.51m	2.3ft	0.70m
6.0ft	1.83m	7.77fc	3.5ft	1.06m	4.6ft	1.40m
9.0ft	2.74m	3.45fc	5.2ft	1.58m	7.0ft	2.13m
12ft	3.66m	1.94fc	6.9ft	2.10m	9.3ft	2.83m
15ft	4.57m	1.24fc	8.7ft	2.65m	11.6ft	3.53m
18ft	5.49m	0.86fc	10.4ft	3.17m	13.9ft	4.23m

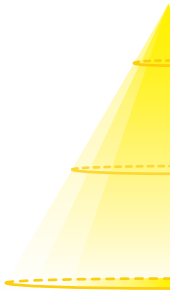
Delivered Lumen: 141.2 lm
Vertical Beam Spread: 32.3°
Horizontal Beam Spread: 42.3°

Tested on 28/02/2024

Polar Candela Distribution



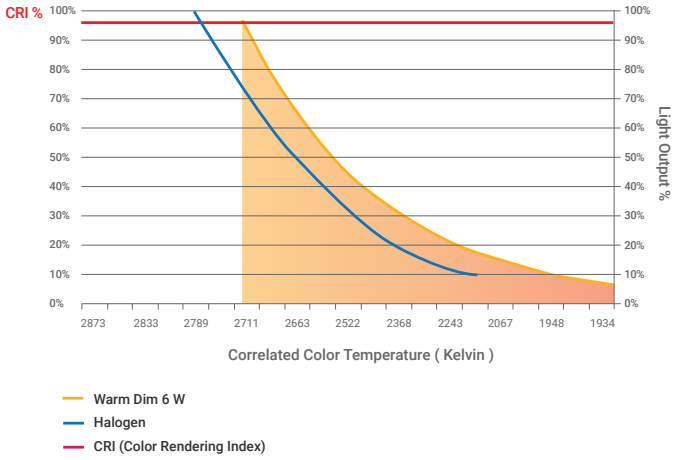
Beam Width: 60°



Illuminance at a Distance

Distance		Center Beam	Beam Width			
1.5ft	0.46m	17.9fc	3.2ft	0.97m	2.5ft	0.76m
3.0ft	0.91m	4.47fc	6.4ft	1.95m	5.0ft	1.52m
4.5ft	1.37m	1.98fc	9.6ft	2.92m	7.5ft	2.28m
6.0ft	1.83m	1.12fc	12.8ft	3.90m	10.1ft	3.07m
7.5ft	2.29m	0.71fc	16.1ft	4.90m	12.6ft	3.84m
9.0ft	2.74m	0.50fc	19.3ft	5.88m	15.1ft	4.60m

Delivered Lumen: 146 lm
Vertical Beam Spread : 56.3°
Horizontal Beam Spread : 45.5°

Tested on 28/02/2024

Warm Dim VS. Halogen