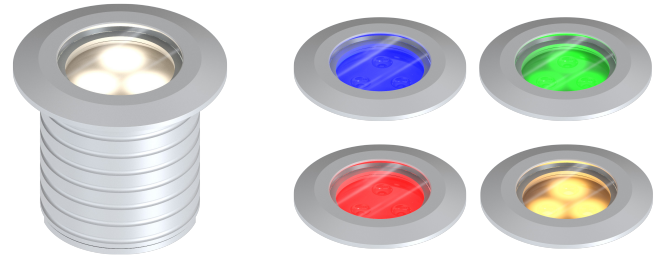


# R05

EXTERIOR | INTERIOR

In-grade & RGB White or Amber  
For ground, ceilings, walls, and stairs

• Wet, Damp, and Dry location



## Ordering Information

Clear Form

Date : \_\_\_\_\_

Quantity : \_\_\_\_\_

Project : \_\_\_\_\_

Note : \_\_\_\_\_

Type : \_\_\_\_\_

## Specifications

Luminaire | Example Code: R05-7-RGBW-N-C-[ ]-MK3-S-S6

Product	Version	CCT & CRI <sup>1</sup>	Beam Angle <sup>2</sup>	Lens	Accessories <sup>3</sup> (optional)	Mounting Kit <sup>4</sup> (optional)	Flange & Back Box <sup>5,6,7</sup>	Trim Finish <sup>8</sup>
R05	7							
	7 7W	RGBW RGB White RGBA RGB Amber	N narrow flood 35°	F frosted CA clear anti-slip FA frosted anti-slip	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 anodized	MK1 vertical surface	S standard flange depth 2-1/2" (65mm) NB no back box or flange	<b>Aluminum Finishes:</b> MA matte clear anodized BA black anodized BZ bronze powder coated  <b>Stainless Steel Finishes:</b> S6 stainless steel 316 BT0 black stainless steel  <b>Other Finishes:</b> ABZ antique bronze

### System Components (Ordered Separately)

Remote Driver : \_\_\_\_\_

\* Consult MP Lighting Website or Factory.

### Important Notes

#### Specification

1. Refer to pg.2 - for Light Quality and Colour Consistency.
2. See Light Distribution section for illustration of different combinations of beam angles and angle bracket.
3. Mounting kit is ordered separately. Please consult factory.
4. For components included, refer to Luminaire Construction section.
5. For custom box and flange options, consult MP factory.
6. Paving stone flange is also recommended for a better cement/concrete flow.
7. Different finish options are only applicable to trim ring and not for LED module housing. Refer to Appendix or MP Lighting website for complete look of luminaire with different trim finish options.

#### Warranty Notes & Disclaimer

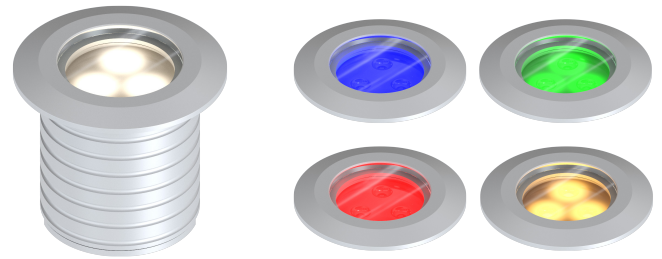
Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult MP Lighting for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. 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.

# R05

## EXTERIOR | INTERIOR

In-grade & RGB White or Amber  
For ground, 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)
7W	200mA	8.4W	770 lm	311.8 lm

### Application

Environment	Dry / Damp / Wet Location approved. IP 66.
Drive Over Rating	9,700 lbs (4,400 kg).
Mounting	<b>Recessed:</b> Designed to be cast into earth, gravel, or concrete or inserted into paving stones or pavers. Included backbox, flange and level for direct burial or casting applications. <b>MK1 mounting kit (optional):</b> 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 <a href="#">MK1</a> .

### Electrical

Power Supplies	Remote LED drivers (120-277V AC input, <b>constant current output</b> ): Fixtures to be wired in series. Remote LED drivers (120-277V AC input, <b>constant voltage output</b> ): Fixtures to be wired in parallel.
Control	<b>On/off control.</b> <b>Dimming:</b> ELV or 0-10V dimming with appropriate drivers. <b>Other options (consult factory):</b> TRIAC/MLV, DMX, DALI, Casambi, Power over Ethernet.

### Luminaire Construction

LED Light Source	8W RED, GREEN, BLUE, WHITE (3000K), or AMBER colour changing.
Weight	5.7 lbs (2.58kg).
Material	<b>Fixture:</b> machined marine-grade aluminum or machined stainless steel (316) with tempered glass.
Supplied with	<b>Standard installation housing:</b> Comes with a back box, a flange, an integral leveling device, a plastic cap, gel filled wire nuts, and silicone grease. <b>Cable:</b> 6" (152mm) factory-installed wire lead.
Warranty & LED Life	5 years limited warranty. Estimated useful life of LED is 50,000 hours.

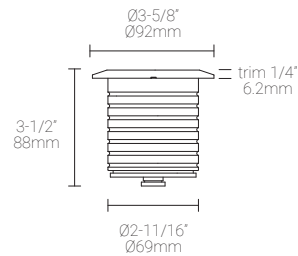
### Ordered Separately

System Components	<b>Power supplies:</b> remote driver Please consult factory or visit <a href="#">Recommended Drivers</a> for available driver options. <b>Mounting kits:</b> MK1
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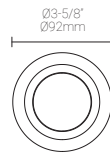
## Mounting Options & Dimensions

### LED Insert Dimensions

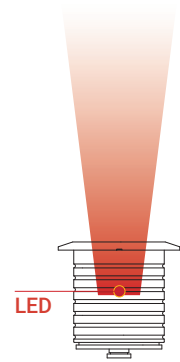
Fixture



Top View

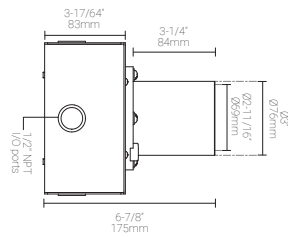


3D View

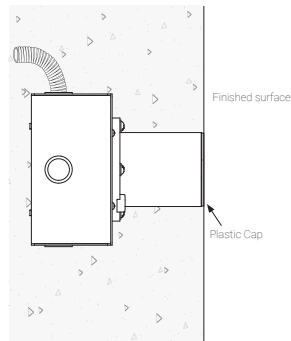


### In-ground Installation (shown with MP Lighting Back Box | Order Code: **EBX-SQR1-DRS-MA**)

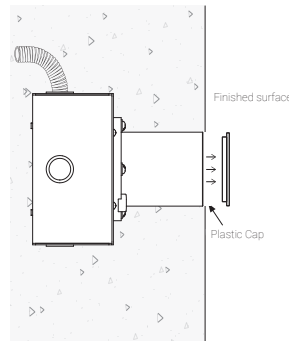
Box with Standard Flange



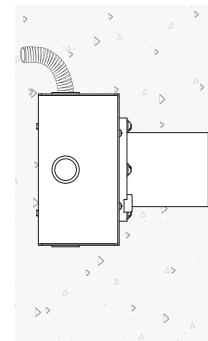
Box with Standard Flange:  
During Concrete Installation



Box with Standard Flange:  
During Concrete Installation



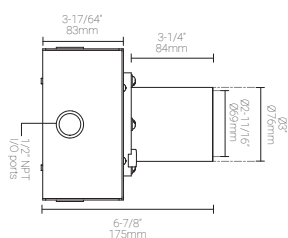
Box with Standard Flange:  
Complete Concrete Installation



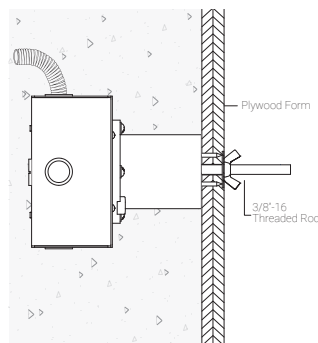
## Mounting Kit

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

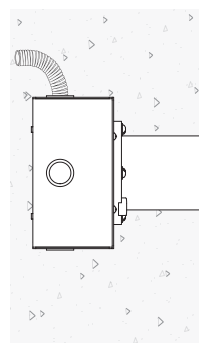
Box with Standard Flange



Box with Standard Flange & MK1:  
During Installation



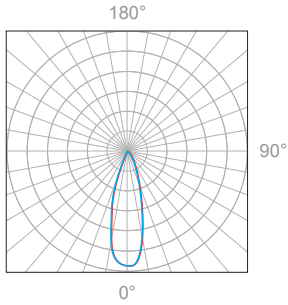
Box with Standard Flange:  
Complete Installation



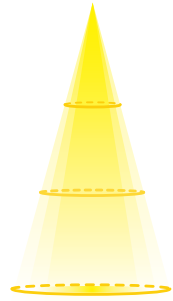
6" (152mm) threaded rod is supplied. Thread size: 3/8"-16

7W, RGBA/W

Polar Candela Distribution



Beam Width: 35°



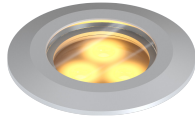
Illuminance at a Distance

Distance		Center Beam	Beam Width			
3.0ft	0.91m	57.5fc	1.9ft	0.58m	1.9ft	0.58m
6.0ft	1.83m	14.4fc	3.8ft	1.15m	3.7ft	1.12m
9.0ft	2.74m	6.39fc	5.7ft	1.73m	5.6ft	1.70m
12ft	3.66m	3.6fc	7.6ft	2.31m	7.4ft	2.25m
15ft	4.57m	2.3fc	9.5ft	2.89m	9.3ft	2.83m
18ft	5.49m	1.6fc	11.4ft	3.47m	11.1ft	3.38m

Delivered Lumen: 311.8 lm  
 ■ Vertical Beam Spread : 35.1°  
 ■ Horizontal Beam Spread : 34.3°

Appendix

Aluminum Finishes



MA matte clear anodized



BA black anodized



BZ bronze powder coated

Stainless Steel Finishes



S6 stainless steel 316



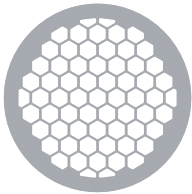
BTO black stainless steel



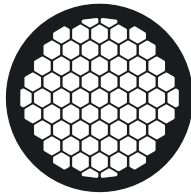
ABZ antique bronze

Other Materials

Accessories



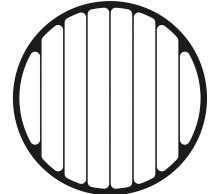
HM2 hex louver, matte clear anodized



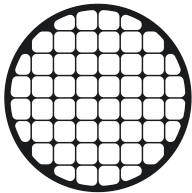
HB2 hex louver, black anodized



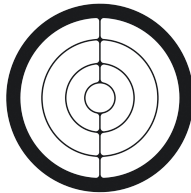
AB2 angled louver, black anodized



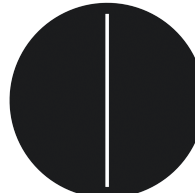
SB2 straight louver, black anodized



QB2 square louver, black anodized

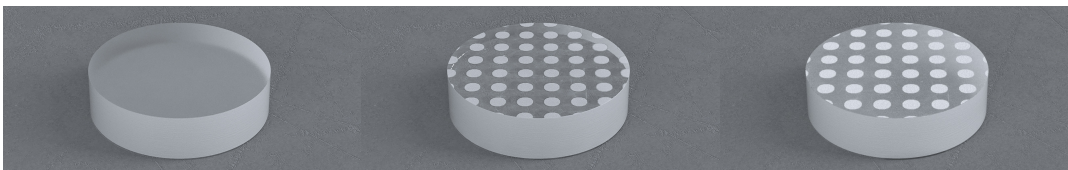


RB2 ring louver, black anodized



NB2 narrow louver, black anodized

Lens Options



F frosted

CA clear anti-slip

FA frosted anti-slip