## LIGHTOLIER

by (Signify

## **Downlighting**

Mini Gimbal

MG 3" round



Lightolier **Mini Gimbal** Downlight provides an easy to install adjustable three-inch solution for accent lighting. The small detachable junction box eliminates the need for a traditional frame in or bulky remodeler kit making installation quick and easy.

Project:		
Location:		
Cat.No:		
Type:		
Lamps:	Qty:	
Motos		

Fixture example: MG3R06930NF1W

Family MG	Size 3R	Lumens 06	CRI 9	сст	NF	Voltage 1	Finish
MG Mini Gimbal	3R 3-inch Round	<b>06</b> 550 lm	9 90CRI	<b>30</b> 3000K <b>40</b> 4000K	NF Narrow Flood	<b>1</b> 120V	W White B Black N Brushed Nickel

## Accessories

example: MDRN

Fam  V	ily <mark>1D</mark>	Model	
MD	Mini Downlight/ Gimbal	06C	Round new construction plate 6' extension cable 20' extension cable

## **Specifications**

## **Features**

- 1. Flange: Die cast aluminum. white painted.
- 2. Junction box: Steel. Clip attached on the side of the junction box to connect with fixture or new construction plate to meet NEC (National Electric Code). Also has key holes on the sides for mounting on joist.
- Connector: Locking power connection is used to connect junction box and fixture. Standard length of the connector is 6". Extension cables are available as accessory.
- Ceiling cutout: installation template and ceiling cutout template is supplied with the product.
   2 3/4" (70mm) diameter.
- 5. Lifetime:  $L_{\gamma_0}$  at 50,000 hours and backed by a 5-year warranty (see signify.com/warranties for details).
- Compliance: New Construction plate. Steel. Holes on the side of the plate for mounting.
- 7. Adjustability: 30° tilt and 360° rotation

## **Electrical**

Electronic power supply: RoHS compliant.
Class 2 power unit. Remote power supply can
only accommodate one LED module and cannot
be shared with other LED module.

Fixture can be daisy chained and cannot be through wired.

**Dimming:** Intended for TRIAC dimming. For more details, please see LED-DIM-DL spec sheet.

## Listings

cETLus listed.

Ceiling-mounted: suitable for damp location.

ENERGY STAR®.

Title 24 (JA8-2016).

IC rated.

AirSeal for minimal air leakage.





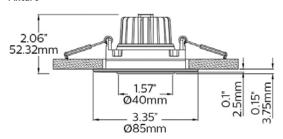


# MG Mini Gimbal LED 3" round

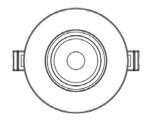
# Downlighting

## **Dimensions**

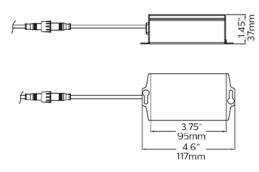
### Fixture



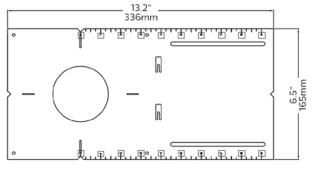




### Junction box

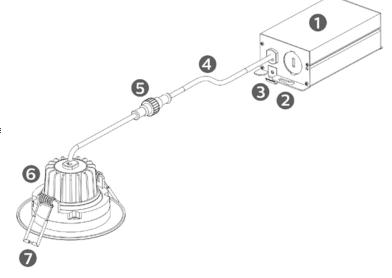


### **New Construction Plate**



### Components

- 1. Electrical box with knockouts
- 2. Mounting keyhole
- 3. NEC\* mounting clip
- 4. 6" (0.15) cord each side. 12" over
- 5. Lockin power connector
- 6. Integrated LED Luminaire
- 7. Spring clip for easy mounting



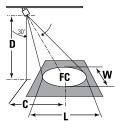
# MG Mini Gimbal LED 3" round

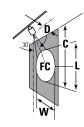
## Downlighting

## **Aiming angles**

L and W are the outer points where the candle power drops to 50% of the maximum. FC are the initial footcandles at the center of the beam. Data shown is for 3000K, use the table on the right for CRI/CCT adjustment factors.

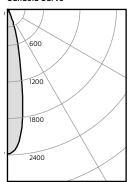
- L Beam length
  D Distance
- FC Footcandles C Distance to
- W Beam Width
- center beam
- A Aiming Angle
- CBCP Center Beam Candlepower.





## 3000K, 8W, 74 lm/W

### Candela Curve



### Fixture: MG3R06930NF1W

Output lumens:	592 lm
Input watts:	8.0 W
CRI:	90 min
CCT 1:	3000K
Center Beam.:	2340cd
Beam Angle:	23°

Efficacy: 74.0 lm/w

#### 30° Horizontal Aiming

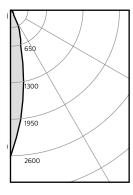
Dist	ance		Beam	
D	С	F.C.	L	W
6	3.5	42	3.3	2.8
8	4.6	24	4.4	3.8
10	5.8	15	5.5	4.7
12	6.9	11	6.6	5.6

#### 30° Vertical Aiming

Dist	ance		Beam		
D	С	F.C.	L	W	
2	3.5	73	3.7	1.6	
3	5.2	33	5.6	2.4	
4	6.9	18	7.4	3.3	
5	8.7	12	9.3	4.1	

## 4000K, 8W, 80 lm/W

## Candela Curve



## Fixture: MG3R06940NF1W

Output lumens: 650 lm Input watts: 8.1 W CRI: 90 min CCT¹: 4000K Center Beam.: 2545cd Beam Angle: 22°

Efficacy: 80.2 lm/w

### 30° Horizontal Aiming

Distance		Beam		
С	F.C.	L	W	
3.5	46	3.1	2.7	
4.6	26	4.2	3.6	
5.8	17	5.2	4.5	
6.9	11	6.3	5.4	
	C 3.5 4.6 5.8	C F.C.  3.5 46 4.6 26 5.8 17	C F.C. L  3.5 46 3.1  4.6 26 4.2  5.8 17 5.2	

### 30° Horizontal Aiming

Distance			Beam	
D	С	F.C.	L	w
2	3.5	80	3.5	1.6
3	5.2	35	5.3	2.3
4	6.9	20	7.0	3.1
5	8.7	13	8.8	3.9

- 1. Correlated Color Temperature within specs as defined in ANSI\_NEMA\_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
- 2. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

