

PKI MR16 Series

3W MR16 with High efficiency



Features :

- Solid State Lighting Technology
- Superior Quality Light
- Reduce CO₂ Emission
- Energy Saving (3W)
- Ecologically Friendly

Dimensions

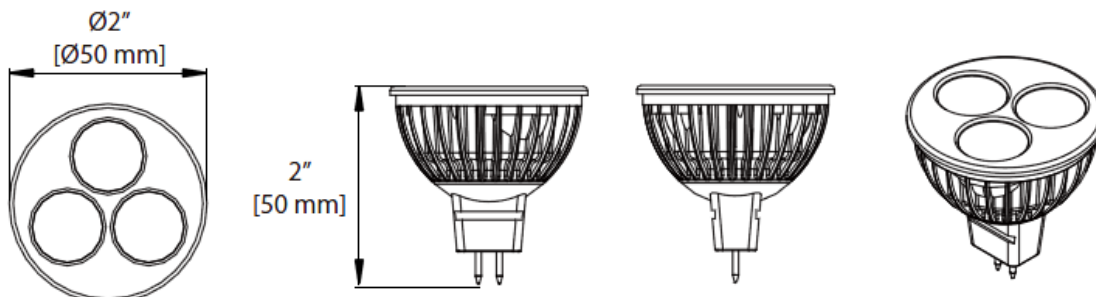


Figure 1 . 3W MR16 dimensions.

Tolerance: ± 2.5 mm

Absolute Maximum Ratings

The following table shows electrical characteristics and operating temperature of 3W MR16.

Table 2 . 3W MR16 absolute maximum rating.

Parameter	Symbol	Rating	Units
Operating Temperature	T _{opr}	-20 ~ 40	°C
Storage Temperature	T _{stg}	-40 ~ 60	°C
AC/DC Input Voltage	V	12	V

Note : The operating temperature* is based on the ambient temperature to the heatsink in 5 cm distance.

Specifications

The following describes the choices of color temperature, angles, and CRI of 3W MR16 for different demand.

Table 3 . 3W MR16 specifications.

Parameter	Rating	Units
Power Consumption	3	W
Field Angle	38 / 60	Degree
Color Temperature	3000/4000/6000	K
CRI	80/75/70	/
Weight	40±5	g

Note : Power consumption has 5% tolerance.

Illuminance

The table presents the illuminance level with respect to different color temperature.

Table 4. 3W MR16 Illuminance for different colors.

Power Consumption(W)	Field Angle	Color	Part Number	Lux @1m (Typ.)	Typ. Flux (lm)
3W	38°±5°	Cool White	EL16-33Wx-A5xx	1100	230
		Netural White	EL16-33Hx-A5xx	1000	190
		Warm White	EL16-33Xx-A5xx	850	150
	60°±5°	Cool White	EL16-36Wx-A5xx	650	230
		Netural White	EL16-36Hx-A5xx	550	190
		Warm White	EL16-36Xx-A5xx	450	150

Light Pattern

The diagram presents the light patterns with respect to different color temperature and field angle.

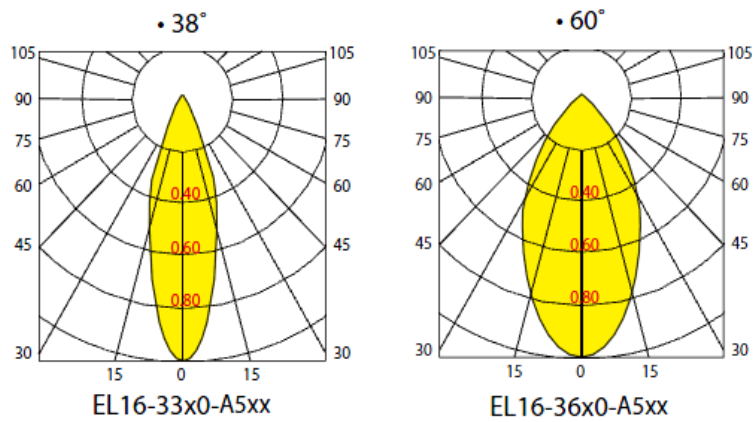
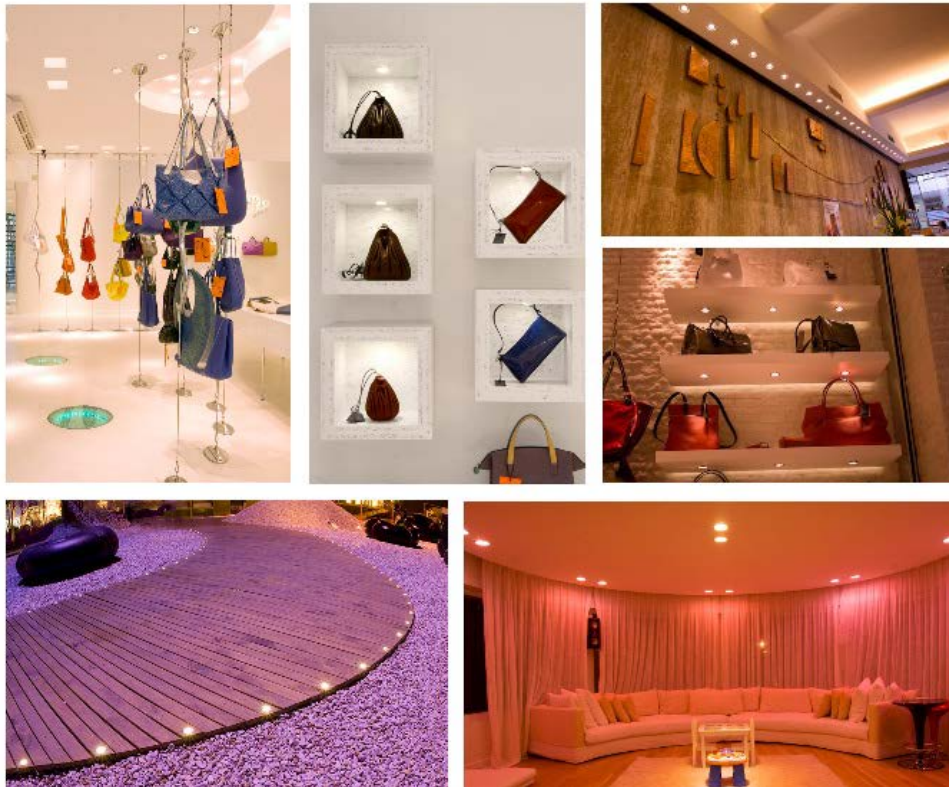
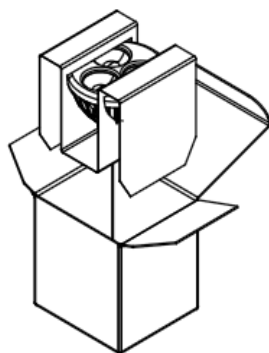


Figure 2 . 3W MR16 light patterns.

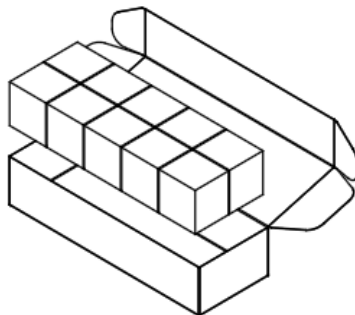
Application Notes



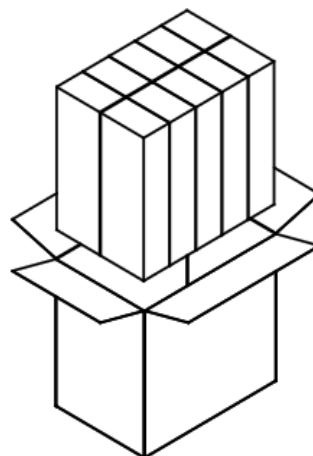
Package Information



1pc / Pack



10 Packs / Box



10 Boxes / Carton

Figure 5 . 3W MR16 Package.

Notes:

1. Pack Dimensions : 60mm(length)*55mm(width)*65mm(height)
2. Box Dimensions : 328mm(length)*115mm(width)*68mm(height)
3. Carton Dimensions : 368mm(length)*248mm(width)*350mm(height)
4. Figures not shown to scale.