

Introduction

ELITE MR16 is built for down lightings and spotlights, it offers an instant replacement in GU5.3 type fixtures. The low energy and long life characteristics allow the customers to lower both maintenance and energy cost.

Features

- RoHS compliant
- High energy efficiency and long lifetime
- Excellent thermal performance
- No UV light

Application

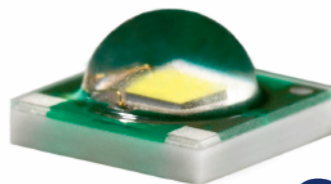
- Commercial lighting
- Architectural lighting
- Landscape lighting
- Interior Commercial lighting



Note

- This product shall be used with 12V AC/DC output transformer.
It's not allowed to connect with 110/220V AC voltage directly.
- Ensure the transformer is with enough output power
- The applied ambient temperature must be lower than 40°C
- Not suitable for poorly ventilated lighting fixtures.
- Not suitable for dimmers

Cree® XLamp® XP-E LEDs



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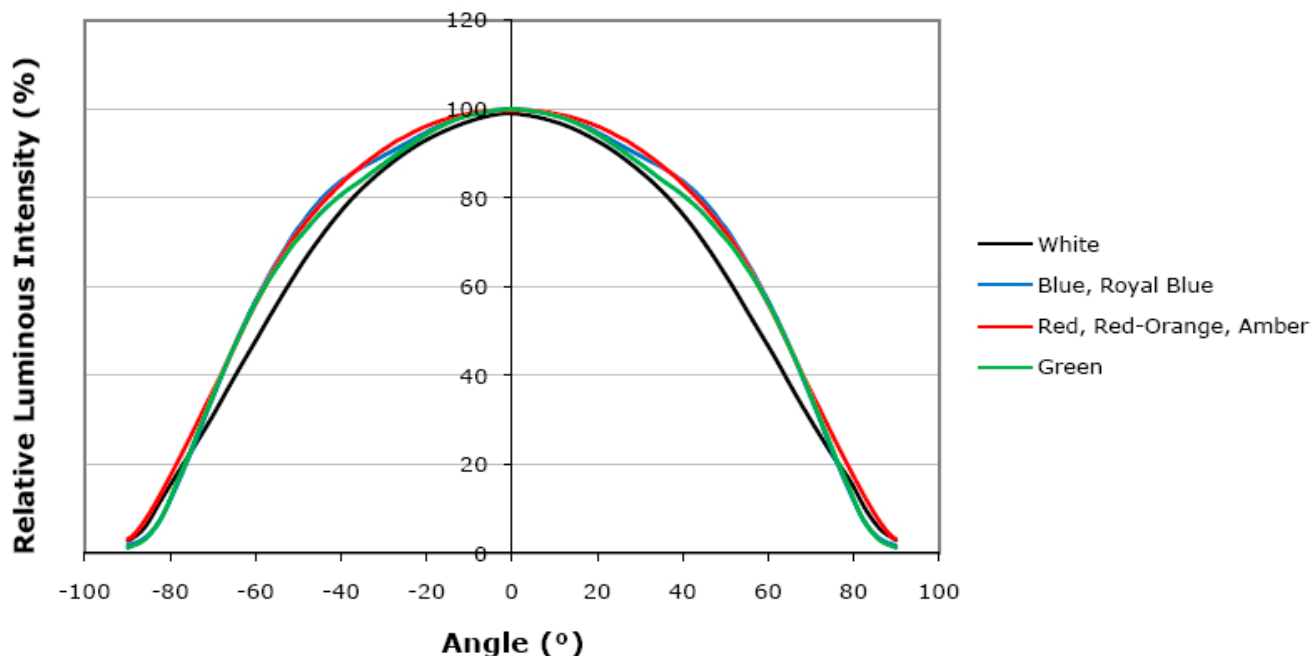
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We provide environmental friendly lighting

Cree XP-E LED View Angle



Electrical Specifications

Rated input voltage (50/60 Hz)	AC 12V	DC 12V
Power consumption (W)	3-4	3-4
Power Factor	0.8	—
Minimum input voltage	AC 9 V	DC 9 V
Maximum input voltage	AC 16 V	DC 16 V

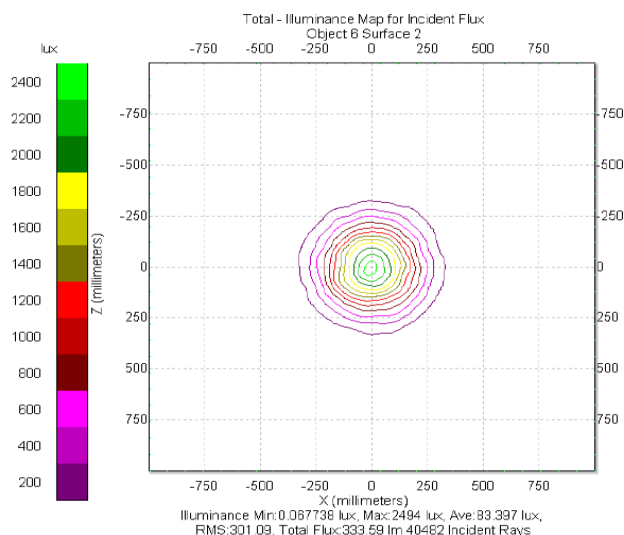
*Not suitable for dimmers.

Optical Specifications

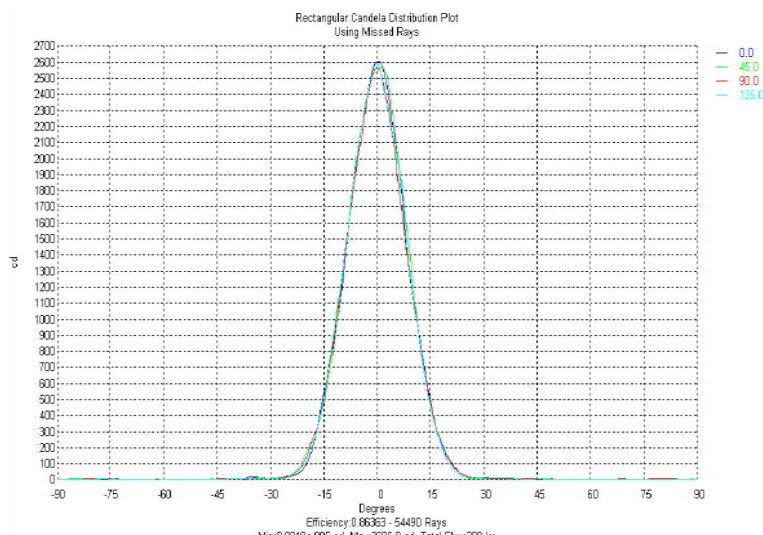
Part No.	Color	Beam Angle	Illumination (Lux@1M)	LED lm	Color Temperature	CRI
EEB-3MR16W	Warm White	24	1200	260	3000K±100K	>80
EEB-3MR16C	White	24	1500	320	6000K±500K	>75

Optical Characteristics

1. Beam Angle 24°, White (6000±500 K)



Typical Illuminance Distribution@1M



Environment Specifications

Item	Condition	Value	Unit
Storage temperature		-40~80	℃
Operating temperature		-20~40	℃
Heat sink temperature	When $A_{\text{ambient}}=25^{\circ}\text{C}$	62	℃
Plastic temperature		50	℃
LED Base temperature		65	℃
LED junction temperature		80	℃

Maximum ambient temperature		40	℃
Working Humidity	RH	10%~90%	
Rated life (A _{ambient} =25℃)	30% light loss	30,000	Hour

*Airtight fixtures forbidden