



Elite LED MR16 GU5.3 Spot Light provides an innovative lighting experience in replacement for traditional 50W Halogen Lamps. Longer Life time, more energy saving, similar brightness and Color, Various of color 2700K, 3000K, 4000K, 5000K, unique outlook and single light source design, which giving you a new experience in LED illumination.

LED MR16 SPOT LIGHT

DATA SHEET

SPECIFICATION

Model No:	ELX-MR07WX	Beam Angle:	24°, 38°, 60°
Input Voltage	12VAC/DC	Size:	D50mm x L53mm
Power	MAX 8W	Outlook Color:	Matt White, Matt Black
Base Type	GU5.3	Weight:	50g
Color Temperature	2700K, 3000K, 4000K, 5000K	Operation Temp:	-25°C to 40°C
Lumen Output of 7W	450lm, 480lm, 530lm, 550lm	Life Time:	35000hrs
Lens Type:	1x1	CRI:	>80

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Product Informations

Non-Dimming Version

Model No.	Lens	LED Brand	Power	Angle	Color	CCT (K)	Lm	CRI	Input Voltage
ELX-MR07SN	1x1	Luxeon	7W	24°/38°/60°	Super Warm White	2700K	450lm	80	12V DC/AC 50/60Hz
ELX-MR07WN	1x1	Luxeon	7W	24°/38°/60°	Warm White	3000K	480lm	80	12V DC/AC 50/60Hz
ELX-MR07NN	1x1	Luxeon	7W	24°/38°/60°	Neutral White	4000K	530lm	80	12V DC/AC 50/60Hz
ELX-MR07CN	1x1	Luxeon	7W	24°/38°/60°	Cool White	5000K	550lm	70	12V DC/AC 50/60Hz

Dimming Version

Model No.	Lens	LED Brand	Power	Angle	Color	CCT (K)	Lm	CRI	Input Voltage
ELX-MR07SD	1x1	Luxeon	7W	24°/38°/60°	Super Warm White	2700K	450lm	80	220VAC Elite External Driver
ELX-MR07WD	1x1	Luxeon	7W	24°/38°/60°	Warm White	3000K	480lm	80	220VAC Elite External Driver
ELX-MR07ND	1x1	Luxeon	7W	24°/38°/60°	Neutral White	4000K	530lm	80	220VAC Elite External Driver
ELX-MR07CD	1x1	Luxeon	7W	24°/38°/60°	Cool White	5000K	550lm	70	220VAC Elite External Driver

Notes:

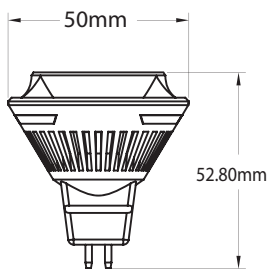
Flux and Power measurements are maintained a tolerance of +/- 7%.

Typical CRI of CCT: 2700K, 3000K, 4000K is above 80.

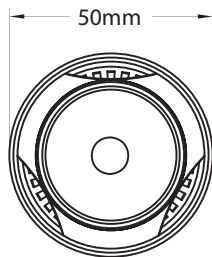
Typical Color tolerance of CCT: 2700K, 3000K, 4000K, 5000K is +/- 200K.

Above data measured at 25C

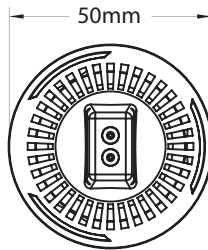
Mechanical Dimensions



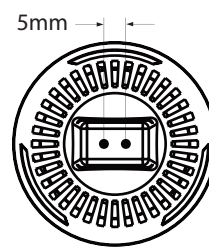
Side View



1x1 Top View



Bottom View



Foot Pin View

Applications

- Replacement of 50W Halogen Lamp
- Hotel
- Retail Shop
- Restaurant
- Domestic

Electrical Characteristics

Electrical parameters (test condition is 25 °C)

Items	Parameter
Model No	ELX-MR07XX
Total Power Consumption	7W
Input Voltage (V)	12V DC/AC
Input Frequency (Hz)	50/60Hz
Output Voltage (V)	12V DC
Output Current (A)	470mA
Efficiency (η)	75%
Power Factor (PF)	0.55
Total harmonic distortion (THD)	
Protect Circuit	OVP and OTP

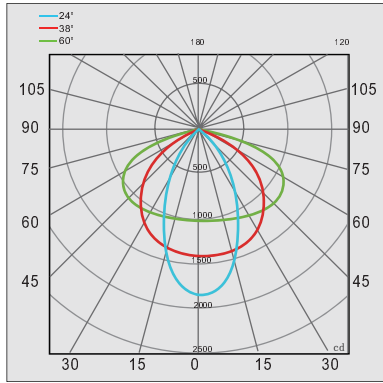
Optical parameters (test condition is 25 °C)

Items	Parameter
Total Power Consumption	7W
LED Power	5.25W
LED Qty	1pc
LED Color Temp	2700K, 3000K, 4000K, 5000K
Lumen	450lm, 480lm, 530lm, 550lm
Lumen Eff (Lm/W)	64.28, 68.57, 75.7, 78.57
CRI	>80, >80, >80, >70

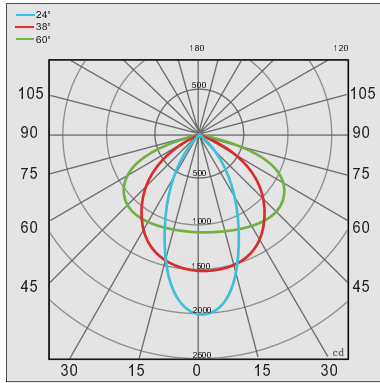
Thermal parameters (test condition is 25 °C)

Items	Parameter	Typical
Body Temperature	Below 75°C	70°C
Environment Temperature	-25°C to 40°C	25°C
Storage Temperature	-25°C to 60°C	25°C

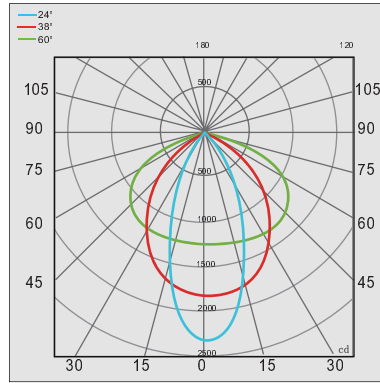
Light Distribution Curve



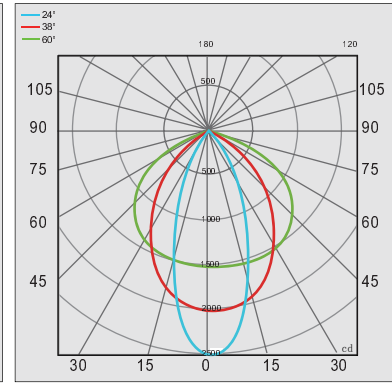
ELX-MR07SN, 2700K



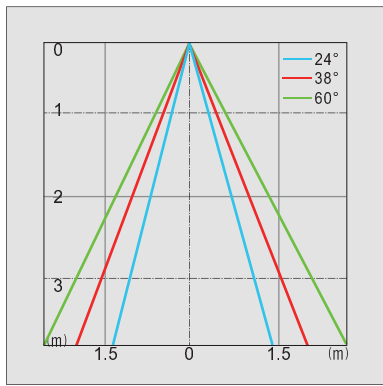
ELX-MR07WN, 3000K



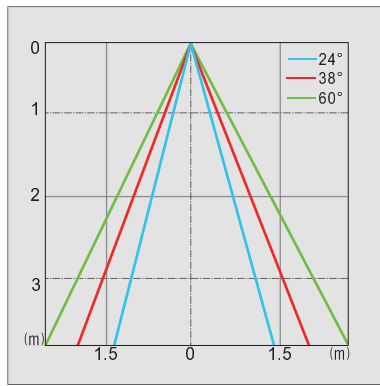
ELX-MR07NN, 4000K



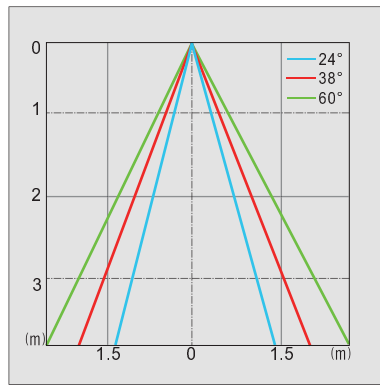
ELX-MR07CN, 5000K



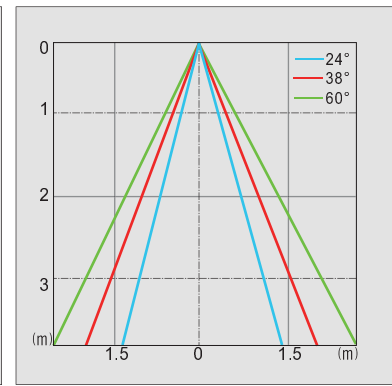
ELX-MR07SN, 2700K



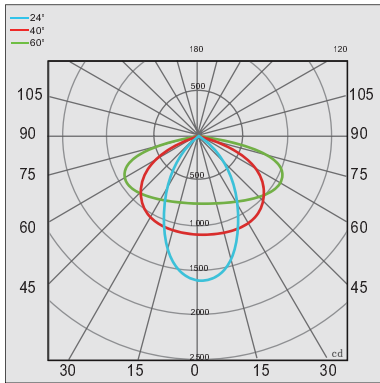
ELX-MR07WN, 3000K



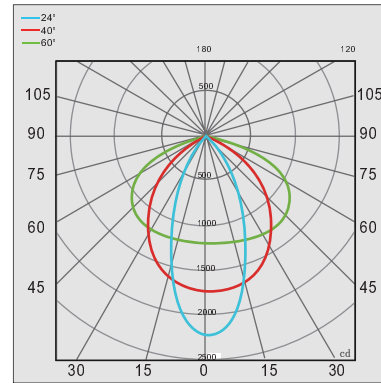
ELX-MR07NN, 4000K



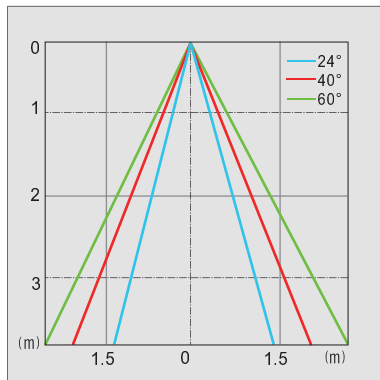
ELX-MR07CN, 5000K



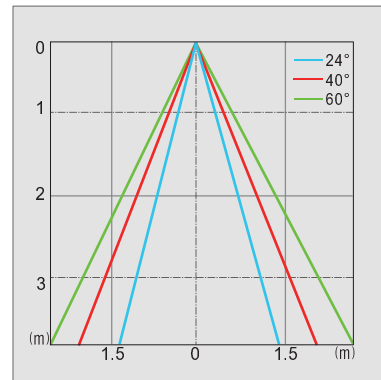
ELX-MR07SD, 2700K



ELX-MR07SD, 5000K

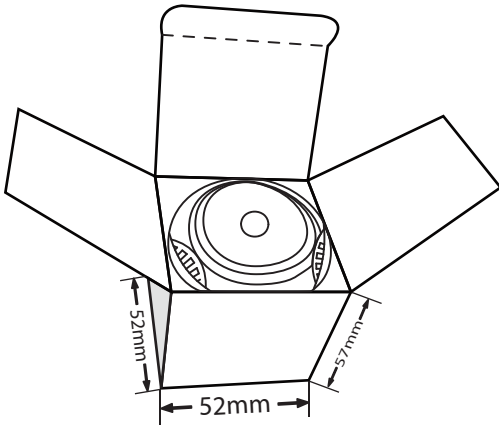


ELX-MR07SD, 2700K

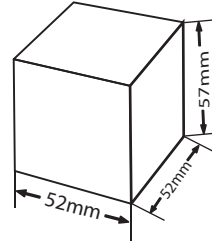


ELX-MR07SD, 5000K

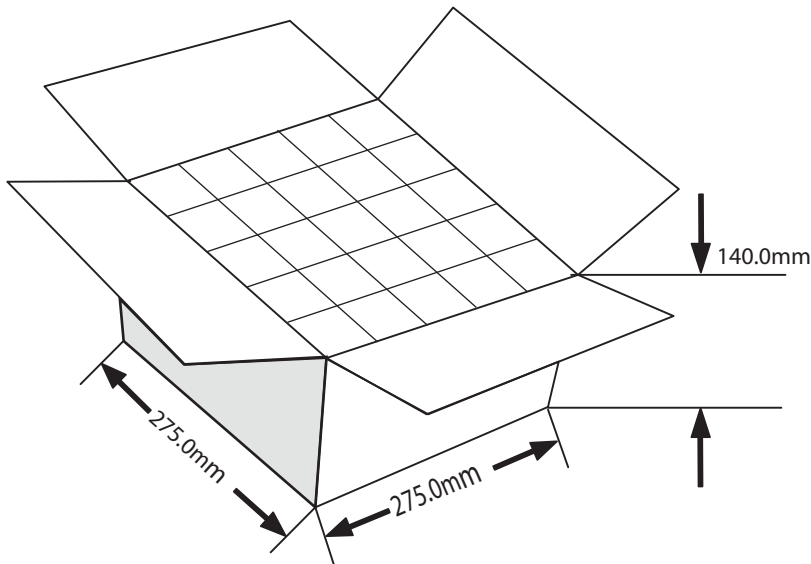
Packaging Information



ELITE MR16 1x1 Lens Type Packaging



Single MR16 Standard Box Size
52mm (L) x 52mm (W) x 57mm (H)



50pcs Box set of MR16
275 mm (L) x 275mm (W) x 140mm (H)

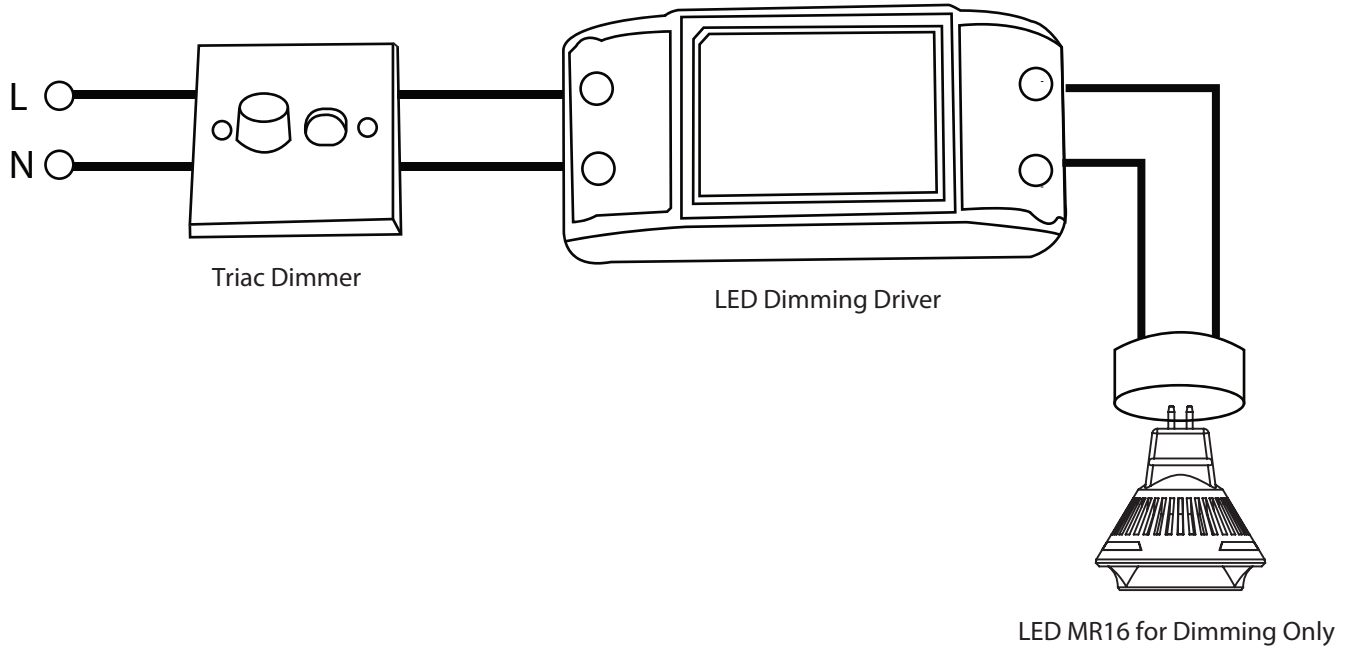
External Driver Support List

LED MR16's compatible with Electrical Ballast for Halogen Lamp List

Brands	Model No
Philips	ET-E 60
OSRAM	ET-P 60/220-240
RIO	RT060CP
TED	WIN-60SLV

External Dimming Driver Connection

Luxon LED Dimming Driver is applied to Luxon LED MR16 with Triac Dimmer, below is the wiring diagram.



Company information and Sales Support

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