

# ledunited



## Professional Dimmable MR16 LED 9W LAMP 2013 PART L residential-commercial



- The MR16 LED 9W is a 9W LED lamp designed to fit in any MR16 lampholder. The MR16 LED 9W is fully dimmable with all **leading edge** dimmers (we recommend against trailing edge) and also complies with the 2013 Part L Regulations.
- Only USE The LED Driver (Model: GY9WX1) .

### Key Features

- Complies with 2013 Part L regulations
  - L1A New dwellings
  - L1B Existing Dwellings
  - L2A New Buildings other than Dwellings
  - L2B Existing Buildings other than dwellings
- Fully dimmable with leading edge dimmers
- Equivalent to 75W GU10
- Lifetime of **25,000hrs**
- Fits MR16 lampholder

### LED Driver(Model:GY9WX1) Specification

Input Voltage	240Vac
Output	36Vdc 200mA Max
Wattage	9W
Power Factor	0.90
IP Rating	IP20
Case size (length*width*thickness)	81mm*37mm*24mm

### The MR16 LED 9W Bulb Specification

1. CREE CXA1820 COB LED
2. Warm White 2700K 800lm / Warm White 3000K 800lm  
CRI 90 88lm/W
3. Reflecting cup Angle : 10° 45°
4. Input : 36Vdc 200mA Max
5. No polarity
6. Dimension : Diameter 50mm MAX High 58mm MAX

### Test Report for MR16 LED 9W Dimmable

Manufacturer	Product Name	Product Code	Wattage	Min Load Required	LED Bulb Quantity
ATON	2 Way 400W Push Dimmer Module	IDIMP400	4-400W	NO	1---20
ATON	2 Way 1000W Push Dimmer Module	IDIMP1000	10-1000W	NO	1---20
DANLERS	2 Way 250W Push Dimmer Module	DPD250W	40-250W	NO	1---20
DANLERS	2 Way 400W Push Dimmer Module	DPD400W	60-400W	NO	1---20
FOCUS SB	2 Way 400W Push Dimmer Module	SB-DSP400X	60-400W	NO	1---20
LUTRON	Rania 1 Gang 450W Master Dimmer	RNSU-452B	50-450W	NO	2---20
LUTRON	Lyneo 1 Gang 500W Dimmer	LLSI-502B	40-500W	NO	2---20
LUTRON	Grafik Eye QS 4 Circuit 500W Dimmer	QSGRK-4PCE	40-500W	NO	1---20
LUTRON	Grafik Eye 4 Circuit 800W Dimmer	GRX3104TCE	40-800W	NO	1---20
MK	2 Way 450W Push Dimmer	MK1535 WHITE	65-450W	NO	2---20
RAKO	Trailing Edge 500W Dimming Pack	RDT500-C	1-500W	NO	1---20
SUPERSWITCH	2 Way 250W Push Dimmer	WHDSW1 250W	40-250W	NO	1---20
WISE CONTROLS	Fusion 1 Gang 450W Dimmer	WISE FUSIONREC1	25-450W	NO - Must use LED Mode	4---20
WISE CONTROLS	Scene/Dimming Receiver 1 Circuit 500W	WISESCENE DIM	25-500W	NO	5---20
WISE CONTROLS	Scene/Dimming Receiver 1 Circuit 250W	WISESCENE OCTO	25-250W	NO - Must use LED Mode	3---20
WISE CONTROLS	Dimming Receiver 4 Channel 700W	WISEDIMREC BOX	60-700W	NO	1---20
ZANO	500W(T)400W(VA)66W(CFL)50W(LED)	ZGRID500	40-500W	NO	1---20
MK	230V 50Hz 40W/VA-200W/180VA	K4501	40-220W	NO	1---20

**\*Where a minmum load is required, please use the recommended items within the brackets in the section above.**

**The above list of dimmers have been tested with the MR16 LED 9W . Please speak to your supplier if you would like your dimmer added to our testing list.**

**• FOR USE WITH LEADING EDGE DIMMERS ONLY.**

# Available Lamps

Product Code	Angle	Temp	Lumens	lm/W	Life
MR16 LED 9W 10D W/W	10°	W/W 2700k	800	88	25000hrs
MR16 LED 9W 45D W/W	45°	W/W 2700k	800	88	25000hrs
MR16 LED 9W 10D W/W	10°	W/W 3000k	800	88	25000hrs
MR16 LED 9W 45D W/W	45°	W/W 3000k	800	88	25000hrs

## Light Cone Data

MR16 LED 9W 2700k / 3000k 10D

Lux at a Distance

Testing Angle: C0-C360		
1m	8166.49 lux	20cm
2m	2041.62 lux	41cm
3m	907.39 lux	61cm
4m	510.41 lux	82cm
5m	326.66 lux	102cm
6m	226.85 lux	123cm
7m	166.66 lux	143cm
8m	127.60 lux	163cm
9m	100.82 lux	184cm
10m	81.66 lux	204cm

Beam Angle : 10°

MR16 LED 9W 2700k / 3000k 45D

Lux at a Distance

Testing Angle: C0-C360		
1m	2345.75 lux	52cm
2m	586.44 lux	103cm
3m	260.64 lux	155cm
4m	146.61 lux	207cm
5m	93.83 lux	258cm
6m	65.16 lux	310cm
7m	47.87 lux	361cm
8m	36.65 lux	413cm
9m	28.96 lux	465cm
10m	23.46 lux	516cm

Beam Angle : 45°