

Product News • LED

LED Reflector – MR16



Professional Series

MM02526
GU5.3/8W



Professional Series

MM02507
GU5.3/10W



Smart Series

MM02476
GU5.3/4W

An eco-conscious lighting solution with high performance

Empowered with the patented Thermal Conductive Highway™ (TCH) technology, the MEGAMAN® LED MR16 Reflectors deliver excellent lighting performance with a high level of luminous maintenance.

Available in 8W and 10W versions, the **Professional** Series of MR16 reflectors delivers supreme light output of up to 1200 cd and perfectly replace 35W and 50W MR16 halogens. When working with a designated driver and a standard DC1-10V dimmer, both models are capable of linear dimming from 100% to 1%.

The **Smart** Series of MR16 reflector in 4W is a direct retrofit for traditional halogens and has the same compact profile while offering a 24° beam angle. The series is designed to work with 12V halogen transformers[#], while most conventional transformers will do.

MEGAMAN® LED MR16 Reflectors offer up to 80% energy savings and greatly reduces maintenance cost.

Product Features:

- Professional Series delivers supreme light output up to 1200cd
- Smart Series directly replace halogens and has the same compact profile
- Generates much lesser heat than halogens
- High Colour Rendering of up to Ra92
- 80% energy saving
- Patented TCH™ technology enables high luminous maintenance; 85% of initial lumens can be achieved even at the end of lamp life

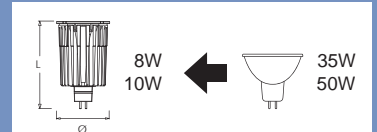
* MM02526 and MM02507 need to work with designated drivers (see details overleaf).
Please visit www.megaman.cc/RHT for the list of recommended halogen transformers.

Specifications**

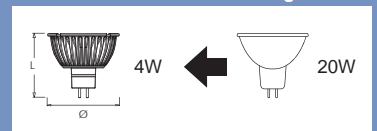
Model No.	Professional Series		Smart Series
	MM02526	MM02507	MM02476
Voltage	DC20V	DC20V	AC/DC12V
Wattage (W)	8	10	4
Lamp Base	GU5.3	GU5.3	GU5.3
Lamp Life (hours)	30,000	30,000	30,000
Max. Luminous Intensity (cd)	800	1200	650
Beam Angle (°)	36	36	24
Colour Temperature (CRI)	2800K (85), 4000K (92)	2800K (80), 4000K (85)	2800K (80)
Diameter (mm)	50	50	50
Length (mm)	74	82	45
Weight (g)	110	124	50
Remarks	Linear dimming from 100% to 1% can be enabled with the designated driver and standard DC1-10V dimmer		Works with 12V halogen transformer [#]
LED Driver available from MEGAMAN [®]	MM02576	MM02509	-

** Preliminary data

ER0408-35H36D
ER0510-50H36D Halogen MR16



ER0604FL Halogen MR16





Drivers for MM02526 and MM02507



MM02526

Driver model: MM02576



MM02507

Driver model: MM02509

Comparing with Halogen MR16:

	MEGAMAN® MR16 LED 8W	Equivalent Halogen MR16
Wattage	8W 80% saving	35W
Max. Luminous Intensity (cd)	800 as bright as halogen	800
Lifetime	30,000 hours 15 times longer	2,000 hours
Working Temperature (surface)	100°C 2.5 times less heat	250°C
CO2 emission*	147.8kg Saves 64.8% of CO2 emission	420kg

*1kWh = 0.616kg of CO₂ emission

Specifications[#]

LED DC1-10V Dimming Electronic Driver

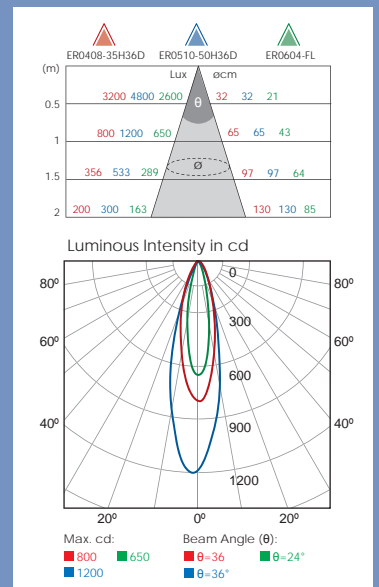
LED Driver available from MEGAMAN [®]		
Model No.	MM02576	MM02509
Input Voltage	AC220-240V	AC220-240V
Output Voltage	DC20V	DC20V
Wattage (W)	8	10
Output Current (mA)	420	460
Lifetime (hours)	50,000	50,000
Operating Temperature (°C)	-30 to +40	-30 to +40
Power Factor	>0.9	>0.9
Length (mm)	147	147
Width (mm)	50	50
Height (mm)	32	32
Weight (g)	133	133

[#] Preliminary data



Applications:

- Shop displays
- Showrooms
- Reception areas
- Conference rooms
- Corridors
- Restaurants
- Lounges



Last updated: 23 July, 2010

