



Product News • LED

LED Reflector – AR111

Driven by Halogen Transformer (AC/DC 12V)

Linear Dimming (100-10%)



MM03788
G53 / 15W



MM03790
G53 / 15W



MM03792
G53 / 15W

Perfect alternative to the 75W halogen AR111 reflector with linear dimming effect available

With the similar size as halogen AR111 lamps, the new MEGAMAN® LED AR111 series in G53 base works with the majority of conventional AC/DC 12V halogen transformers. MEGAMAN® LED AR111 works with widely available leading-edge dimmers and dimmable halogen transformers, users can dim the lamp in a smooth and easy way to enjoy a wonderful linear dimming effect similar to that obtained with traditional halogen AR111 lamps, making the reflector a viable option in most retrofit applications.

Thanks to MEGAMAN®'s patented Thermal Conductive Highway™ (TCH) technology, the LED AR111 lamps deliver thermal control for optimal performance, preventing the LED arrays and other components from deterioration. The MEGAMAN® AR111 reflectors are able to deliver superb light output of up to 17,000cd with only 15W power consumption and an 8 degree beam angle, providing a perfect alternative for 75W halogen AR111.

To enhance the durability, the new MEGAMAN® AR111 reflectors are equipped with a glass cover on the front end. It acts as a shield against dust on the reflector, making maintenance easier.

Product Features:

- Perfect alternative to the 75W halogen AR111
- The all-new design with a glass cover makes maintenance easy
- Capable for linear dimming from 100% to 10%*
- Different degree (8°, 24° and 45°) beam angle options available
- Long lamp life of 25,000 hours
- High colour rendering of up to Ra80
- Generates much less heat than a halogen AR111
- 80% energy savings
- Works with most conventional AC/DC 12V halogen transformers*

Revision 1

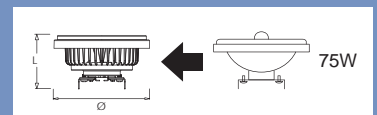
Specifications†

Description	LED AR111		
	MM03788	MM03790	MM03792
Model No.			
Voltage (V)	AC/DC 12V		
Lamp Base	G53		
Wattage (W)	15		
Lamp Life (hours)	40,000		
Maximum Luminous Intensity (cd)	17,000	5,000	2,000
Luminous Flux (lm)	850		
Beam Angle (°)	8	24	45
Colour Temp.[CRI]	2800K [Ra80], 4000K [Ra80]		
Diameter (mm)	111		
Length (mm)	62		
Operating Temp. (°C)	-30 to +40		
Transformer	Works with AC/DC 12V halogen transformer*		
Dimmability	Linear Dimming (100-10%)*		

† Preliminary data

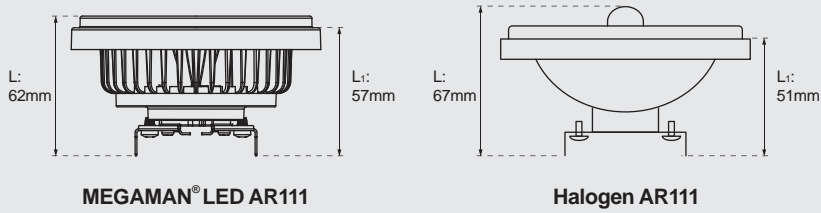
ER2015d-75H24D
ER2115d-75H08D
ER2215d-75H45D

Halogen AR111



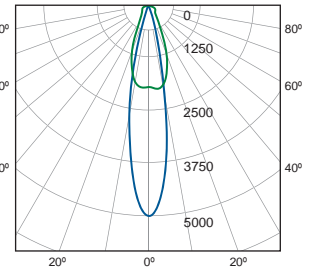
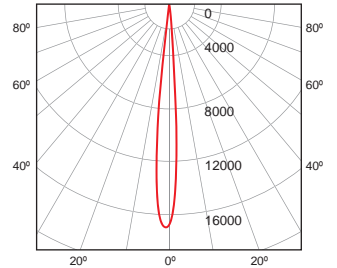


The MEGAMAN® LED AR111 has a similar size to the halogen AR111, providing a perfect alternative



(m)	ER21154-75H08D	ER20154-75H24D	ER22154-75H45D
0.5	68000 20000 8000	7 21 42	
1	17000 5000 2000	14 43 83	
1.5	7556 2222 889	21 64 124	
2	4250 1250 500	28 85 166	

Luminous Intensity in cd



Max. cd: 17000 2000 5000
Beam Angle (θ): θ=8° θ=45° θ=24°



Applications:

- Shop displays
- Showrooms
- Offices
- Reception areas
- Corridors
- Hotels
- Restaurants
- Lounges
- Galleries