

## Mizar Series

# GL-MR16-5W



The unique MR16 LED Bulbs from GlacialTech use high luminescence LEDs at a very economical 5 Watts power consumption. The MR16 LED GlacialLight can replace traditional MR16 halogen lamps that are found at homes and in offices today. The durability is exceptional with a long lifetime (min. 20,000 hrs) and high luminous efficacy as well as reducing environmental pollution. The bulbs can be used on the standard GU5.3 socket with 12V AC/DC to conveniently replace traditional light sources. The MR16 LED GlacialLight Bulbs are extensively suitable for indoors, including for ornamental decoration, shop window lighting and spotlighting.

### Features

- For indoor use only
- Direct replacement for any halogen MR16 bulb
- Compatible with electronic transformers without LED driver
- Power conversion efficiency > 80%
- High luminous efficacy LED
- NO UV or IR radiation
- Compliance with safety standards: EN60968, EN61347-1 + EN61347-2-13, EN55015, EN60825-1, FCC Part 18
- Cool light to prevent heat buildup and associated heat degeneration
- Energy saving and environment friendly



◆ **Specifications**

Model No.	GL-MR16-5WW	GL-MR16-5CW
CCT (Typical)	3000K	6000K
Typical Power Consumption	5W	
Luminous Flux (lm)	220lm	345lm
Input Voltage	12V AC-DC	
Socket Base	GU5.3	
Operation Temperature	-20 °C — +40 °C	
Typical Luminous Efficacy	32lm/W	40lm/W
CRI	> 80	> 75
Beam Angle	25° / 60°	
Warranty	2 Years	
Applications	Shop Window Lighting/ Cabinet Lighting/ Commercial Lighting/ Meeting room/ Indoor ornament / Spot Lighting/ Hallway Lighting	
Outline Dim.	Φ 49.3*49.5mm	
Net. Weight	47g	
Package	100 Boxes/ 10 Packs/ Carton	
Box Dimension/ Weight	L= 522*280*143mm / 65g	

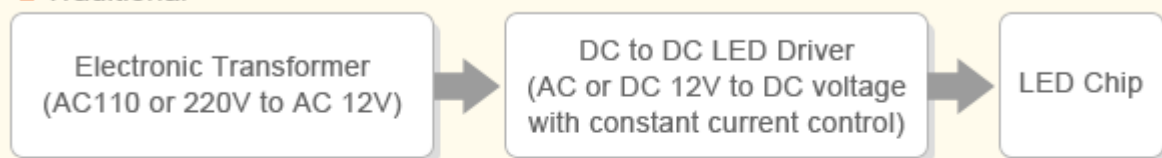
### The advantages of the DC-to-DC LED driver in the traditional approach

1. Having high compatibility with more than 90% of AC electronic transformers available in the market
2. Allowing an input voltage 12VAC/DC from an AC electronic transformer, an AC source or a DC source
3. Keeping the output current nearly constant
4. Using Japanese capacitors to prolong lifespan
5. Having over temperature protection to avoid high-temperature operation

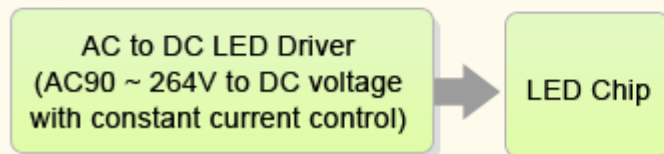
### The advantages of bundling MR16 LED luminaries with the GlacialPower AC-to-DC LED driver

1. The AC-to-DC LED driver can accommodate a universal AC input voltage range 90~264Vac.
2. High efficiency and high reliability benefit from the one-stage power conversion.

#### ■ Traditional



#### ■ GlacialPower

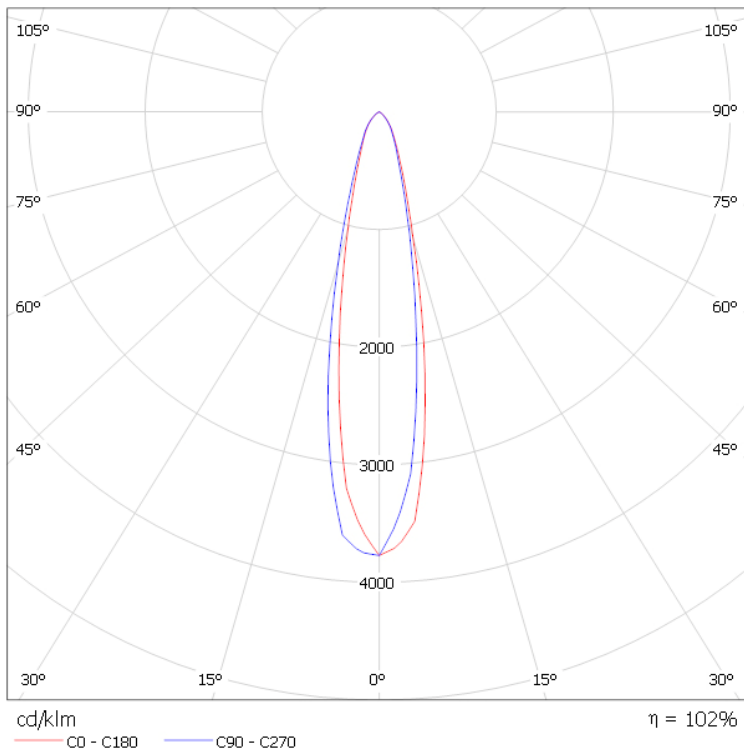


3. No compatibility issue is caused and the LED lifetime prolonged by eliminating the need for the AC electronic transformer and the DC-to-DC LED driver in the lighting system.
4. Accredited with the IP67 ingress protection against dust and water, the HS05N series can put up with harsh environments.
5. The AC-to-DC LED driver also complies with the IEC 61347 safety standard.

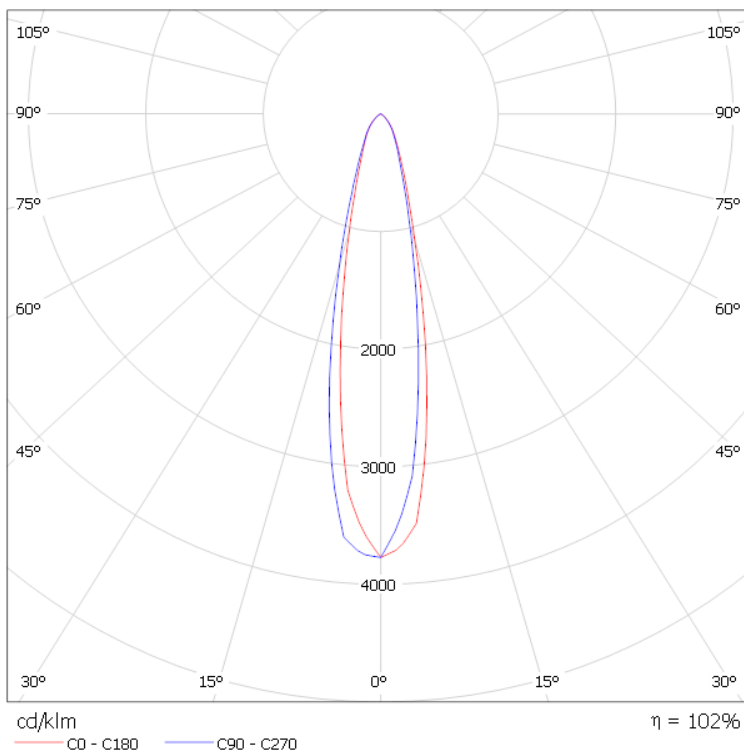
LED	DRIVER
MR16 5W	HS05N

## ◆ Luminous Intensity Distribution Diagram

**MR16-5W-25D-CW**

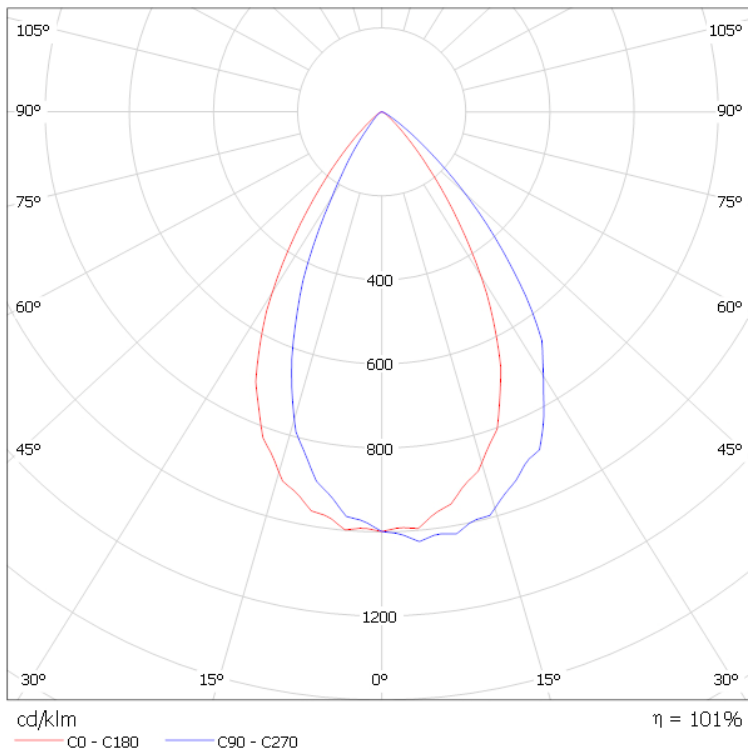


**MR16-5W-25D-WW**



## ◆ Luminous Intensity Distribution Diagram

**MR16-5W-60D-CW**



**MR16-5W-60D-WW**

