



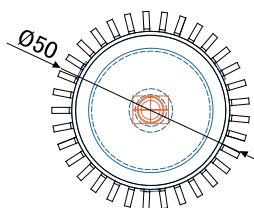
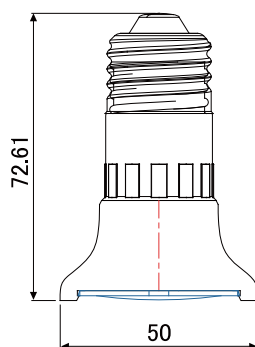
### WORLD'S MOST EFFICIENT LED MR16

FAENA MR16 is designed to replace the Halogen MR16 globe currently available in markets worldwide. For just a fraction of power usage, the innovative FAENA MR16 incorporates the same structure and style of traditional halogen MR16, but delivers a brighter performance with less heat radiation than before. The FAENA MR16 can be used for general everyday use and incorporates all the latest luminary technology garnered from Daehan's unique resources, combining years of experience in designing cooling systems.

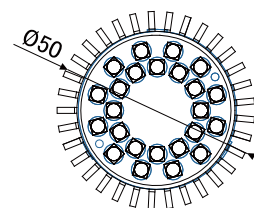
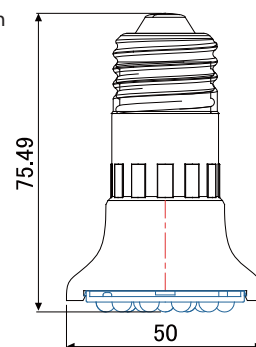
- 85% more energy efficiency compared to conventional halogen MR16 light bulb
- Can replace 30W halogen MR16 globe
- Socket Type : E26/E27
- Guaranteed lifetime up to 50,000 hours with normal usage of 10hours per day.
- No glare or strobe effect

#### PHYSICAL

MR16I-02  
Height: 72.61mm  
Width : 50mm  
Weight : 50g



MR16I-05  
Height: 75.49mm  
Width : 50mm  
Weight : 50g



#### OPTICAL CHARACTERISTICS

Model	Available Color	Power Consumption(W)	Luminous Flux (lm)	Color Temperature (Kelvin)	Viewing Angle $2\theta_{1/2}$
FAENA MR16I-02	Pure White	2	120	5,500K	45
	Warm White	2	110	3,000K	45
FAENA MR16I-05	Pure White	4.6	325	5,500K	45
	Warm White	4.6	275	3,000K	45

\*CRI (Color Rendering Index) for white product types is 75 / \*Spectral width at half of the peak intensity / \*Luminous Flux measuring equipment is CAS140B / \*Viewing angle is the off axis angle from lamp centerline where the luminous intensity is half of the peak value / \*CCT 5% tester tolerance

\*Dominant wavelength is derived from the CIE 1931 Chromaticity diagram and represents the perceived color

**ELECTRICAL  
CHARACTERISTICS**

Operating input power : 100VAC, 220VAC  
Power Consumption : 2W , 4.6W  
Power factor : +90%  
Guaranteed Lifetime : 50,000hours  
Socket Type : E26 / E27

**THERMAL**

Cooling : Ambient air  
Maximum operating temperature : 50°C  
Minimum operating temperature : -10°C  
Maximum storage temperature : 60°C  
Minimum storage temperature : -20 °C

**CONSTRUCTION**

White LED lamp : High power LED Lamp  
Body : Aluminum extrusion heat sink with polycarbonate

**APPLICATIONS**

Display case and Cabinet Lighting  
Art Gallery and Museum Lighting  
Landscape & Pathway Lighting  
Accent Lighting  
Recessed Lighting  
Track Lighting

**50,000H**  
LIFETIME

**e** 85%  
Saving

**IR**<sub>free</sub>

**UV**<sub>free</sub>

**T**<sub>PS</sub><sup>hermal</sup><sub>system</sub><sup>protection</sup>

*Specifications subject to change without notice*