



MR16

Recessed Light

25W halogen equivalent

Leapfrog Lighting's MR16 LED lamp provides industry-leading light quality, output power, and efficacy as a result of our patented intelligent optics lens and high-efficiency, high-reliability LED source and driver electronics.

Features

- Innovative anti-glare lens technology
- Available in a variety of CCTs and beam angles
- Special high CRI models
- Top performing light output and efficacy
- High Power Factor
- Comprehensive five-year warranty
- Tested per IESNA LM-79-2008



Contact

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LIGHT QUALITY

Evenly distributed, glare-free light with gentle roll-off at edges

APPLICATIONS

Indoor and unexposed outdoor down-lighting applications

LIFE EXPECTANCY

40,000 hours

PERFORMANCE

High efficacy (lm/W), single light source

COLOR

Ultra-consistent color temperature control critical to multi-lamp applications, with high CRI and pleasing CCT options.

WATTAGE EQUIVALENCY

25 Watt halogen equivalent

SPECIFICATIONS

CCT ¹	CRI ²	BEAM	LM	W	LM/W	PART
2700K	82	24°	275	4	69	1001-MR16C-2703
	82	38°	275	4	69	1001-MR16C-2701
	95	24°	240	4	60	1001-MR16C-2704
	95	38°	240	4	60	1001-MR16C-2702
3000K	82	24°	275	4	69	1001-MR16C-3004
	82	38°	275	4	69	1001-MR16C-3001
	95	24°	240	4	60	1001-MR16C-3005
	95	38°	240	4	60	1001-MR16C-3003
5000K	82	24°	310	4	78	1001-MR16C-5002
	82	38°	310	4	78	1001-MR16C-5001
	95	24°	260	4	65	1001-MR16C-5004
	95	38°	260	4	65	1001-MR16C-5005

1. Tolerances as per ANSI C78.377-2008 Nominal CCT categories
2. CRI refers to the "General CRI" described as Ra in CIE 13.3

GENERAL

Min. lifetime ³	40,000 hours
Base type	GU 5.3
Weight	2 oz.
Dimensions ⁴	MR16

ELECTRICAL

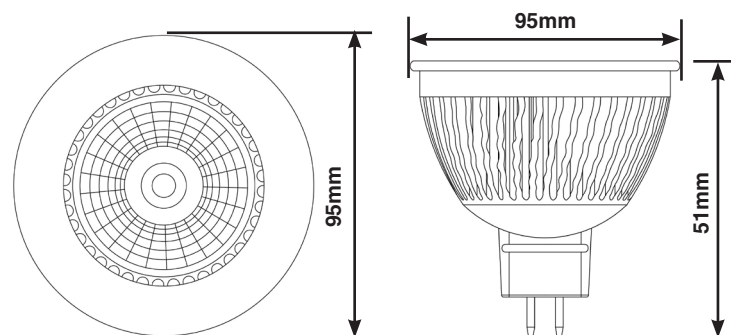
Voltage, nominal	12 AC or DC
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OPTICAL

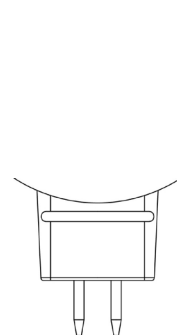
Duv ⁵	< ±0.006
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3. Lifetime as defined by IESNA LM-80
4. Compatible with ANSI C78.21-2011 dimensional requirements
5. Duv values and tolerances as per ANSI C78.377-2008 Nominal CCT, Table 1, page 8

DIMENSIONS



BASE TYPE

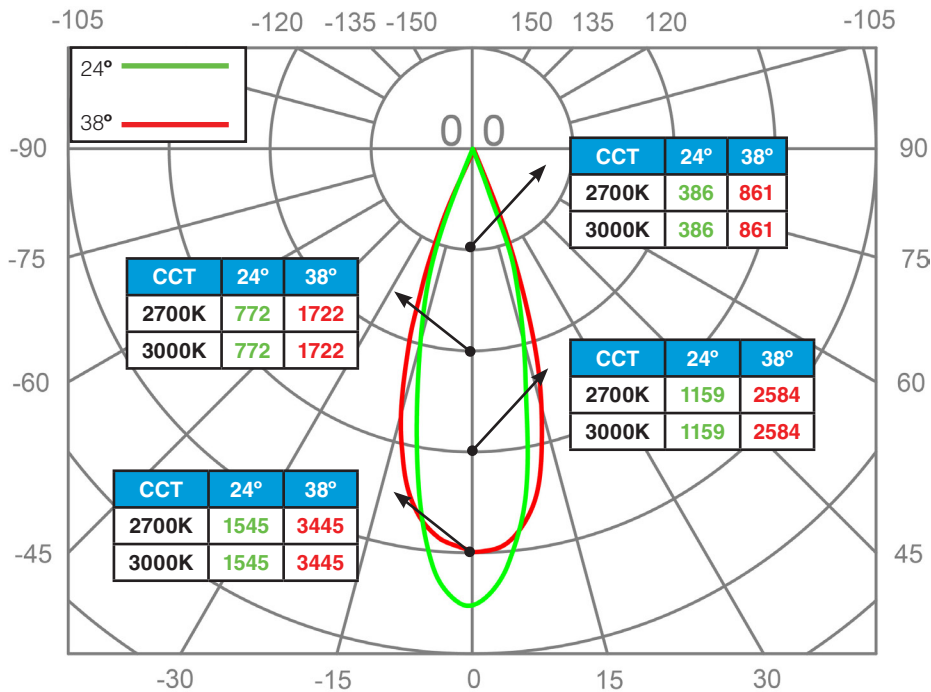


GU 5.3

MR16 TRANSFORMER COMPATIBILITY (North America)

Leapfrog Lighting's MR16 lamps are compatible with any UL, CSA, or ETL approved 12 Volt electronic or magnetic lighting transformer.

POLAR INTENSITY DIAGRAMS



APPLICATION NOTES

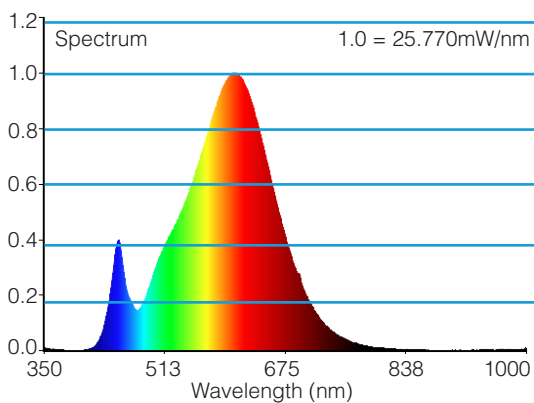
Not for use in exposed outdoor down-lighting applications
Ambient temperature within -20 to +45 °C

SAFETY NOTES

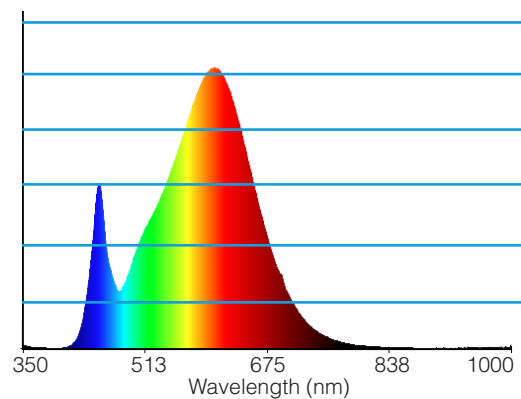
Warning: Risk of electric shock
Do not disassemble (no user serviceable parts)
Turn off power before inspection, installation or removal.

SPECTRAL POWER DISTRIBUTION

2700K



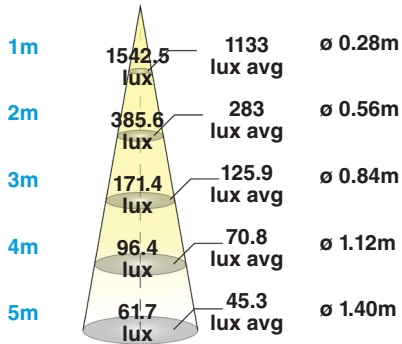
3000K



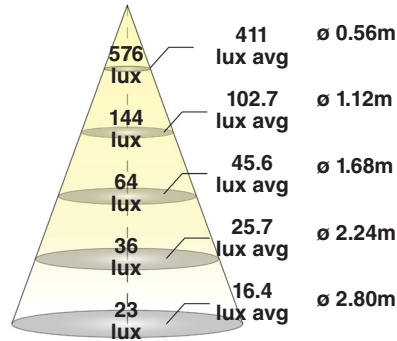
BEAM ANGLES

2700K

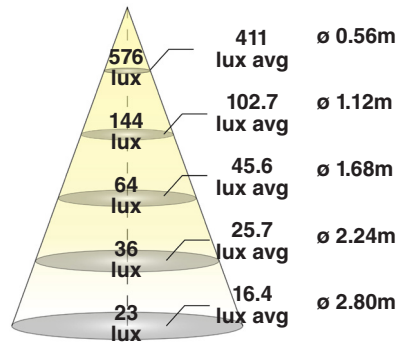
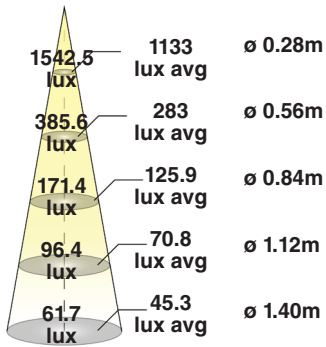
24 degrees



38 degrees



3000K



WARRANTY

If the lamp fails to meet our specifications during the first 60 months, we'll replace it.

For additional warranty information, please refer to <http://www.leapfroglighting.com/resources/>.

