

Features

- Designed as a direct retrofit to most MR16 lighting fixtures
- Low power consumption - 8W Multichips Array LED lamp to replace 50W of halogen lamp
- Long life. 50,000 hours rated life to 70% of initial light output
- Unique thermal system. It's effective to keep LED junction temperature below 90° C, with only 67° C of housing temperature
- Unique design and well matched one piece reflector, it delivers even or spot light effects
- Leading Multichips Array System by Sharp, Japan
- Excellent color rendering: CRI - 82, R9 reach 20, with warm white and neutral white
- Dimmable and non-dimmable are available
- RoHS compliant
- UV and IR free



Description

Luminux is proud to present you the Maxima MR16 LED lamp. With most advanced SHARP Multichips Array LED System inside and our cutting-edge optic reflector design, the Maxima MR16 LED lamp is the best replacement for the 50W Halogen MR16 lamps. The Maxima MR16 LED lamp consumes only 8W of power and the total light output is up to 710 lumen.

Product Offering

Item	Dimmable	Wattage	Input Voltage	Color Temperature
Maxima 8W	No	8W	12VAC/DC	2700K, 3000K, 4000K, 5000K
Maxima 8W Dim	Yes	8W	12VAC/DC	2700K, 3000K, 4000K, 5000K

- Beam Angle selection 36° reflector
- CCT range selection: 2700K, 3000K, 4000K, 5000K
- Housing finish: White Housing and Silver Reflector
- Sharp Japan Zenigata Power LED inside

Application Information

Applications

- Tracking lighting
- Spot lighting
- Display and cabinet lighting
- Architectural lighting
- Art gallery and museum
- Industrial and commercial area lighting

Notes

- Operating temperature range between -20°C and +40°C (-4°F and +104°F)
- For used in dry indoor only
- Non dimmable is not for use with dimmers or in luminaries controlled by a dimmer
- Not for use where exposed to weather
- Not for use in totally enclosed recessed fixtures
- Not intended for use with emergency exit fixtures or emergency lights
- Do not look into the light directly

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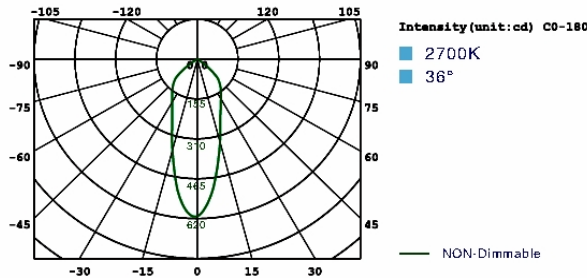


Performance Summary

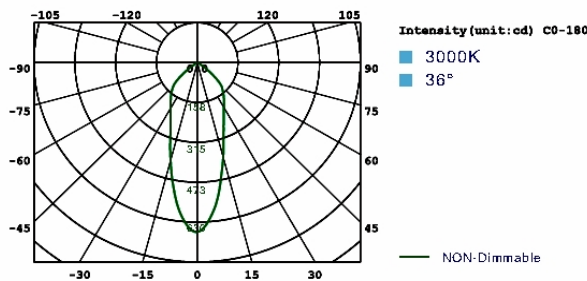
Item	Dimmable	Nominal			Lumen Output	Beam Angle	CRI	Efficiency	Housing Temperature
		Wattage	Input Voltage	CCT					
Maxima 8W	No	8W	12VAC/DC	2700K	595	36°	82	83%	67°C
Maxima 8W	No	8W	12VAC/DC	5000K	710	36°	82	83%	67°C
Maxima 8W Dim	Yes	8W	12VAC/DC	2700K	595	36°	82	83%	67°C
Maxima 8W Dim	Yes	8W	12VAC/DC	5000K	710	36°	82	83%	67°C

Note: All specifications @ 25°C ambient condition

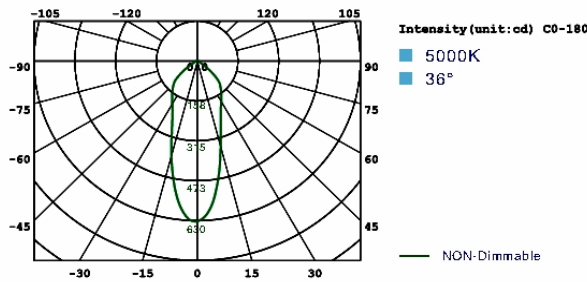
Photometrics (Maxim 8W)



CCT	Distance(m)	Avg./Nadir.E	Diameter (cm)
2700K (DIM)	0.5m	1502.44/2331.61lx	31.43cm
	1.0m	375.61/582.90lx	62.87cm
	1.5m	166.94/259.07lx	94.30cm
	2.0m	93.90/145.73lx	125.74cm
	3.0m	41.73/64.77lx	188.60cm



CCT	Distance(m)	Avg./Nadir.E	Diameter (cm)
3000K (DIM)	0.5m	1623.84/2508.60lx	32.30cm
	1.0m	405.96/627.15lx	64.60cm
	1.5m	180.43/278.73lx	96.90cm
	2.0m	101.49/156.79lx	129.20cm
	3.0m	45.11/69.68lx	193.79cm



CCT	Distance(m)	Avg./Nadir.E	Diameter (cm)
5000K (DIM)	0.5m	1651.23/2502.88lx	31.91cm
	1.0m	412.81/625.72lx	63.83cm
	1.5m	183.47/278.10lx	95.74cm
	2.0m	103.20/156.43lx	127.66cm
	3.0m	45.87/69.52lx	191.48cm

Dimension

Lamp Type	Diameter	Height	Weight (g)
Maxima MR16	50	75	94

