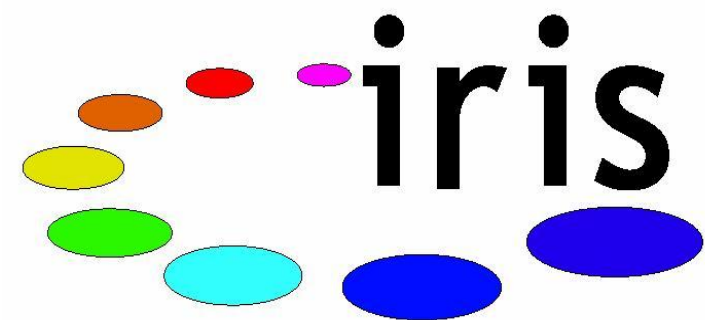




MR16 5X1W



Features and Benefits

Replacement for 50W Halogen
 Top quality LED from Cree and Nichia
 Energy savings: 6W total power consumption
 High luminous intensity and reliability
 Long lifetime: 50,000 hrs with 70% light output at 25°C
 Wide operating temperature: -20°C to +40°C
 Wide variety of quality optics to choose from satisfies any lighting application
 Beam angles: Nichia LED 2θ1/2° (32°, 40°, 88°)
 Cree LED 2θ1/2° (15°, 25°, 40°, 85°)
 Available color temperature: 2500-3000K, 4000-4500K, 5000-6500K
 Driver's power efficiency 75 to 85%
 Long Life of Components: Over 50,000 hrs under 80°C
 High CRI: >75
 No UV and no IR emitted

Technical Performance

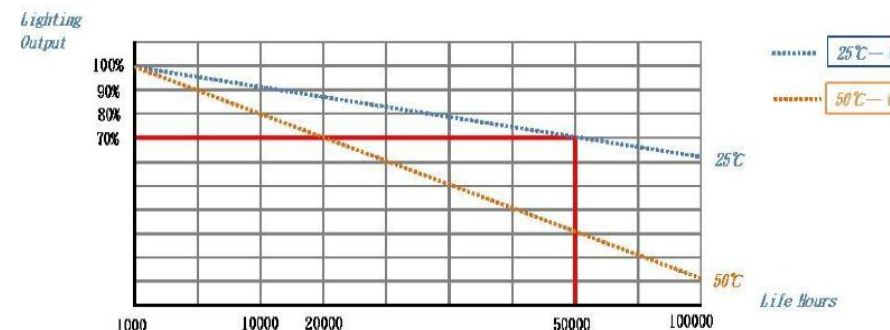
Nichia LED

CODE	COLOR	LAMP BASE	REFERENCE	LED BRAND	LED QTY	BEAM ANGLE	C.R.I	LIGHT OUTPUT (Lm)	POWER CONSUMPTION	INPUT VOLTAGE	HALOGEN	OPERATING TEMPERATURE
20240019	Daylight	GU5.3	I-MR16GU53-5X1W-32degNi-WDL(6500K)(AC/DC12-25V)	Nichia	5	32°	>80	415	6W	ACDC12V	50W	-20° to +40°C
20240020	Warm white	GU5.3	I-MR16GU53-5X1W-32degNi-WW(3000K)(AC/DC12-25V)	Nichia	5	32°	>80	384	6W	ACDC12V	50W	-20° to +40°C
20240021	Warm white	GU5.3	I-MR16GU53-5X1W-40degNi-WW(3000K)(ACDC12V)	Nichia	5	40°	>80	384	6W	ACDC12V	50W	-20° to +40°C
20240022	Warm white	GU5.3	I-MR16GU53-5X1W-84degNi-WW(3000K)(AC/DC12-25V)	Nichia	5	84°	>80	384	6W	ACDC12V	50W	-20° to +40°C
20240043	Warm white	GU5.3	I-MR16GU53-5X1W-43degNi-WW(2550K-2700K)(AC/DC12-25V)	Nichia	5	43°	>80	384	6W	ACDC12V	50W	-20° to +40°C

Warranty

3 years

Life, Reliability and Lumen Maintenance



CODE	COLOR	LAMP BASE	REFERENCE	LED BRAND	LED QTY	BEAM ANGLE	C.R.I	LIGHT OUTPUT (Lm)	POWER CONSUMPTION	INPUT VOLTAGE	HALOGEN	OPERATING TEMPERATURE
20240044	Warm white	GU5.3	I-MR16GU53-5X1W-43degNi-WW (2700K-2850K)(AC/DC12-25V)	Nichia	5	43°	>80	384	6W	ACDC12V	50W	-20° to +40°C
20240056	Daylight	GU5.3	I-MR16GU53-5X1W-43degNi-WDL(6000K)(AC/DC12-25V)	Nichia	5	43°	>80	415	6W	ACDC12V	50W	-20° to +40°C
20240078	Daylight	GU5.3	I-MR16GU53-5X1W-40degNi-WDL (6500K)(ACDC12V)	Nichia	5	40°	>80	415	6W	ACDC12V	50W	-20° to +40°C
20240079	Warm white	GU5.3	I-MR16GU53-5X1W-88degNi-WW (3000K)(ACDC12V)	Nichia	5	88°	>80	384	6W	ACDC12V	50W	-20° to +40°C
20240080	Daylight	GU5.3	I-MR16GU53-5X1W-88degNi-WDL (6500K)(ACDC12V)	Nichia	5	88°	>80	415	6W	ACDC12V	50W	-20° to +40°C
20240326	Natural white	GU5.3	I-MR16GU53-5X1W-37degNichia-NW(4700K)(AC/DC12-25V)(compatible with electronic transformer)	Nichia	5	37°	>90	415	6W	ACDC12V	50W	-20° to +40°C
20240327	Warm white	GU5.3	I-MR16GU53-5X1W-37degNichia-WW(3000K)(AC/DC12-25V)(compatible with electronic transformer)	Nichia	5	37°	>90	384	6W	ACDC12V	50W	-20° to +40°C

Cree LED

CODE	COLOR	LAMP BASE	REFERENCE	LED BRAND	LED QTY	BEAM ANGLE	C.R.I	LIGHT OUTPUT (Lm)	POWER CONSUMPTION	INPUT VOLTAGE	HALOGEN	OPERATING TEMPERATURE
20240084	Warm white	GU5.3	I-MR16GU53-5X1W-40degCr-WW (3000K)(ACDC12V)	Cree	5	40°	>80	360	6W	ACDC12V	50W	-20° to +40°C
20240085	Daylight	GU5.3	I-MR16GU53-5X1W-40degCr-WDL (6500K)(ACDC12V)	Cree	5	40°	>70	447	6W	ACDC12V	50W	-20° to +40°C
20240086	Warm white	GU5.3	I-MR16GU53-5X1W-85degCr-WW (3000K)(ACDC12V)	Cree	5	85°	>80	360	6W	ACDC12V	50W	-20° to +40°C
20240087	Daylight	GU5.3	I-MR16GU53-5X1W-85degCr-WDL(6500K)(ACDC12V)	Cree	5	85°	>70	447	6W	ACDC12V	50W	-20° to +40°C
20240193	Warm white	GU5.3	I-MR16GU53-5X1W-13degCr-WW(3000K)(AC/DC12-25V)	Cree	5	13°	>80	360	6W	ACDC12V	50W	-20° to +40°C
20240194	Warm white	GU5.3	I-MR16GU53-5X1W-25degCr-WW(3000K)(AC/DC12-25V)	Cree	5	25°	>80	360	6W	ACDC12V	50W	-20° to +40°C

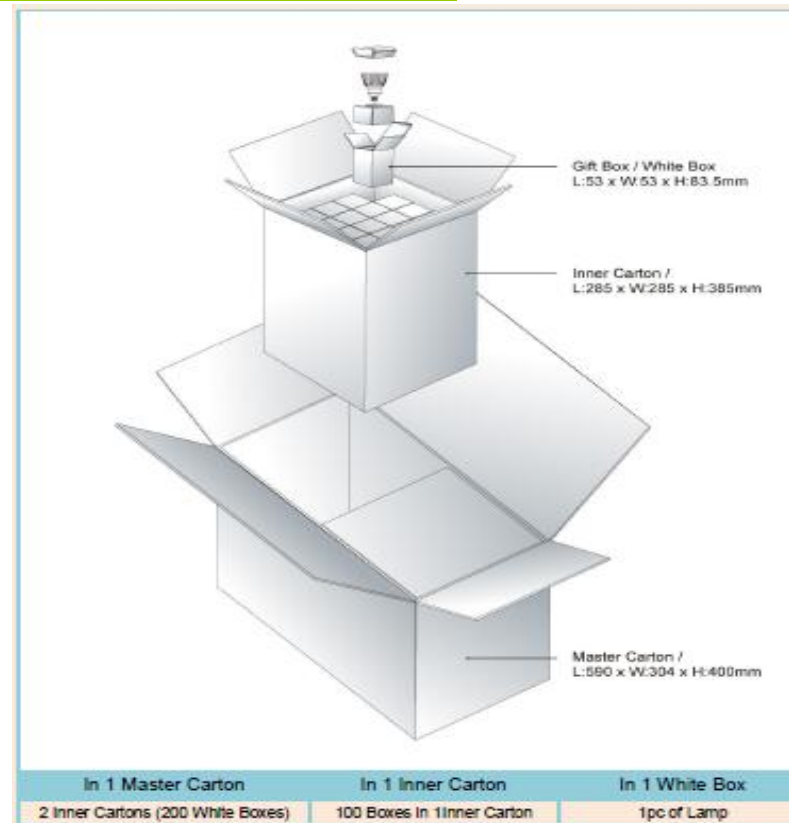
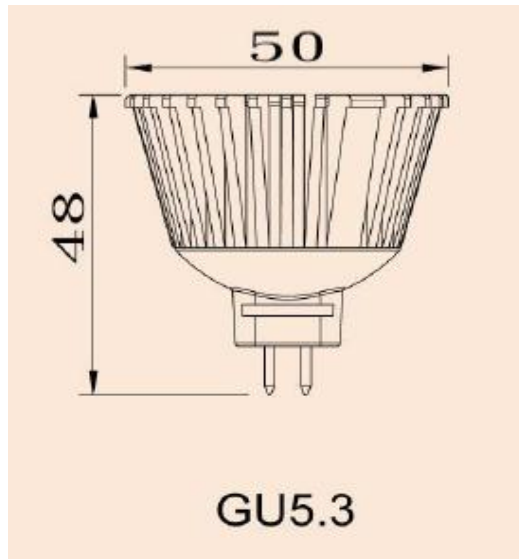
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Dimensions & Packaging



Fixture Compatibility

The T-type series MR16 is not compatible with all MR 16 fixtures. Before installation, please read following guidelines:

T-type series MR 16 can not be installed in sealed fixtures.

T-type series MR 16 can not be installed in outdoor fixtures.

T-type series MR 16 is not designed for use in wet environment.

T-type series MR 16 can not install in a fixture which an integral primary optics to focus the light.

Safety & Environment Specifications

T-type MR16 bulbs are manufactured to conform to the following safety approbation.

Certificated Mark	Items of certificated standard
CE	EMC: EN55015, EN61000-3-2, EN61000-3-3, EN61547 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11) LVD: EN60968, EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-4
FC	Part18 Subpart C
VCCI	CISPR22 ClassB 10M Radiation
REACH	Regulation (EC) No.1907/2006: (REACH) Article 33
TUV	Directive 2002/95/EC (RoHS) and corresponding amendment directives



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