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MR16 LED Lights
Low Voltage 48 vdc
Dimmable

MR16 series

Bright LEDs, Cool Operation



AL-GU10
 GU10 base

AL-MR16
 G5.3 base

[Technical specifications](#)

Style	Watts	Volts	Current	lm	Note	Color
AL-GU10-48v5w-3500K	5	44-52 120*	0 – 110 mA 5 mA*	540	20 in parallel max	3500K CRI90
AL-GU10-48v5w-5000K	5	44-52 120*	0 – 110mA 5 mA*	400	20 in parallel max	5000K CRI90
AL-MR16-48v5w-3500K	5	44-52	0 – 110mA	400	20 in parallel max	3500K CRI90

* intended for safe operation in legacy power fixtures

Operating Concept

These devices allow parallel wiring as in conventional track lights, and allow dimming down to 5%. The dimming voltage is from 32 to 44 volts, from 44 to 52 volts the current (and lumens) are constant.

Above 56v the current drops, reaching 5 mA at 120 volts – this is about 600 mW – not bright. 120 Volt operation is not recommended, it is intended to allow safe interchange with exiting GU10 fixtures.

Use a simple on/off switch, or use a dimmer like the AL-WS-DR1 for dimming of up to 6 bulbs, a AL-WS-DR2 for 12 bulbs, or a SRP-2305-75 for up to 15 bulbs, or a ELG-150-48DA or SCON-XTB106 for 20 bulbs.

If you want to use a AC dimmer, then you can use a OTM-TD60 driver for 12 lights.

Please also see the TL-60 product from ATX LED for trimless, 60 mm diameter fixtures.



Typical GU10 fixture

