

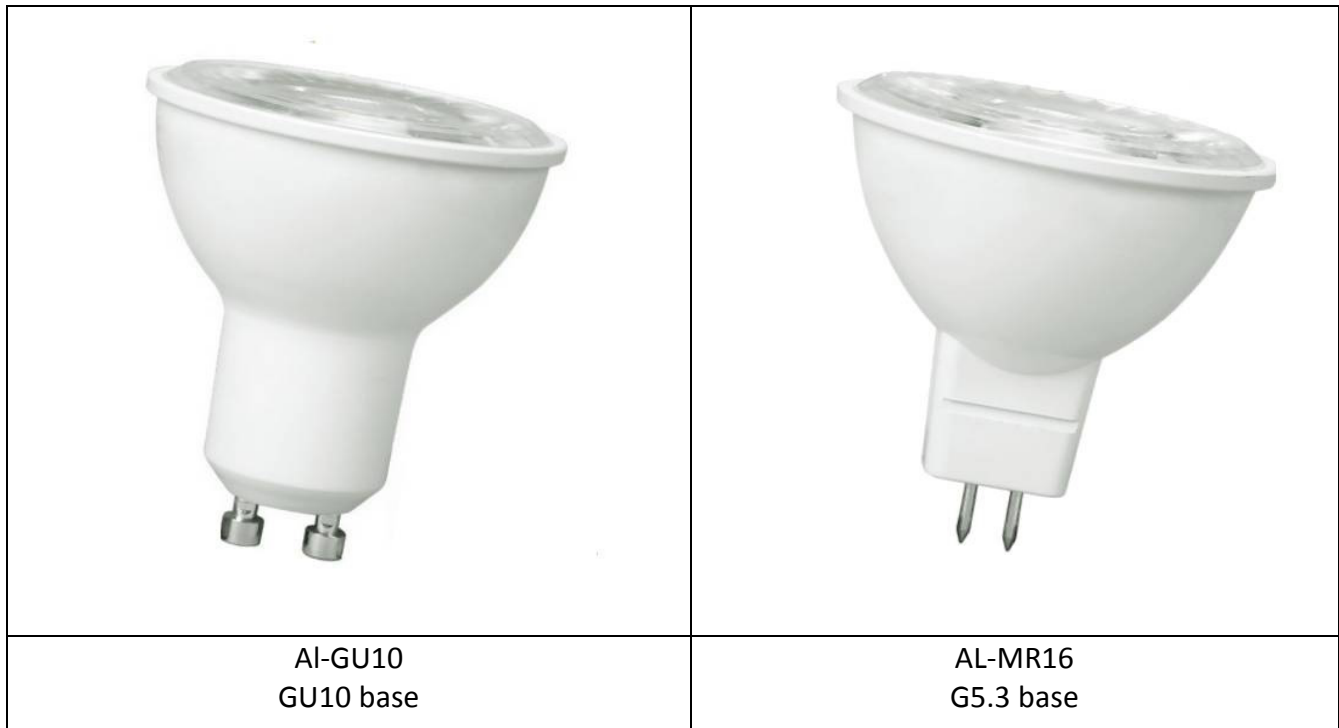


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MR16 LED Lights  
 G5.3 or GU10  
 Low Voltage 48 vdc  
 Dimmable

GU10 and 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.

## Dimming Options

Dimming Preference	Recommended Driver	# of GU10-46v5w bulbs
No – On/Off	48v constant voltage power supply	20 ( Class 2 limit = 100w)
Local – simple DC dimming	AL-WS-DR1	5
Local – simple DC dimming	AL-WS-DR2	10
Smart wall switch dimming	AL-WS-DR2W	10
Large Room smart dimming	SRP-2305-75	15
Larger Room smart dimming	ELG-150-48DA SCON-XTB106	20 or more
DMX dimming	D4L-L ( 2000 mA )	20
AC power dimming	OTM-TD60 OTM-TD100	12 20



Typical MR16-GU10 fixtures



Alternative 2 inch tunable white fixtures



PEN-60  
Pendant



TD-60  
trimless