

LED Lamps

ProLED MR16 Lamp Series

- 20W, 35W, 40W and 50W Halogen Equivalents
- Field Selectable and Dedicated CCT Options
- Narrow Flood, Flood, and Wide Flood Beam Spreads
- 90+ CRI
- Title 20 Certified Options



Specifications

Description

Halco's ProLED MR16 Series combines flexibility, performance, and exceptional light quality in a compact, energy-efficient design. Featuring field-selectable and dedicated CCT options, Narrow Flood, Flood, and Wide Flood beam spreads, and 90+ CRI, these lamps deliver precise illumination for accent, display, hospitality, retail, residential, and covered outdoor applications. Smooth dimming performance and a damp location rating expand installation opportunities in both indoor and protected outdoor environments. Designed to simplify specification, stocking, and installation, the ProLED MR16 Series provides a reliable, professional-grade lighting solution for a wide range of projects.

Performance

- Color temperature options: 2700K, 3000K, 3500K, 4000K, 5000K
- Selectable color temperatures 2700K, 3000K, 3500K, 4000K, 5000K (color-selectable model)
- Up to 91 lumens per watt
- 250 to 500 lumen options
- CRI 90+
- L70 Lumen maintenance > 25,000 hours
- Triac dimmable
- Voltage Options: 12V, 120V
- 20°C to 40°C operating temperature
- 3 Year limited warranty

Construction

- Plastic lens
- White polycarbonate housing
- Base: Nickel-plated copper

Applications

- Residential
- Commercial
- Retail
- Hospitality
- Healthcare
- Museums and Galleries
- Restaurants
- Accent Lighting
- Covered Outdoor Applications
- K-12 Schools and Higher Education

Certifications

- ETL listed for damp locations
- RoHS compliant
- FCC part 15 compliant
- Title 20 compliant options

LED Lamps

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Ordering Logic

Shape	Beam Angle	Wattage	CRI / CCT	Base	Technology/ Generation	Dimmable	Standard
MR16	NFL or T = Narrow Flood FL or M = Flood WFL or W = Wide Flood	3 = 3 Watts 5 = 4.5 or 5 Watts 6 = 5.5 Watts 7 = 5.5 or 6.5 Watts	927 = 90 CRI, 2700K 930 = 90 CRI, 3000K 935 = 90 CRI, 3500K 940 = 90 CRI, 4000K 950 = 90 CRI, 5000K 9CS = 90 CRI, Color Selectable 2700K-3000K-3500K-4000K-5000K	GU5.3 GU10	LED = LED LED3 = LED Generation 3	D = Dimmable	T20 = Title 20

Ordering Information

Product SKU	Product Code	Product Description	Equiv Watts
20518	MR16NFL3-927-GU5.3-LED3-D	LED MR16 Narrow Flood 3W White 2700K GU5.3 Base 25Deg 12V 250 Lumens Dimmable 25K Hours 20W-Equiv	20W
20519	MR16NFL5-927-GU5.3-LED3-D	LED MR16 Narrow Flood 5W White 2700K GU5.3 Base 25Deg 12V 380 Lumens Dimmable 25K Hours 35W-Equiv	35W
20520	MR16NFL5-930-GU5.3-LED3-D	LED MR16 Narrow Flood 5W White 3000K GU5.3 Base 25Deg 12V 380 Lumens Dimmable 25K Hours 35W-Equiv	35W
20521	MR16NFL5-940-GU5.3-LED3-D	LED MR16 Narrow Flood 5W White 4000K GU5.3 Base 25Deg 12V 380 Lumens Dimmable 25K Hours 35W-Equiv	35W
20522	MR16NFL6-927-GU5.3-LED3-D-T20	LED MR16 Narrow Flood 5.5W White 2700K GU5.3 Base 25Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20523	MR16NFL6-930-GU5.3-LED3-D-T20	LED MR16 Narrow Flood 5.5W White 3000K GU5.3 Base 25Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20524	MR16NFL6-935-GU5.3-LED3-D	LED MR16 Narrow Flood 5.5W White 3500K GU5.3 Base 25Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv	50W
20015	MR16T7-940-GU5.3-LED	LED MR16 Narrow Flood 5.5W 4000K GU5.3 Base 25Deg 12V 500 Lumens Dimmable 25K Hours 50W-equiv	50W
20525	MR16NFL6-950-GU5.3-LED3-D-T20	LED MR16 Narrow Flood 5.5W White 5000K GU5.3 Base 25Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20526	MR16FL3-927-GU5.3-LED3-D-T20	LED MR16 Flood 3W White 2700K GU5.3 Base 40Deg 12V 250 Lumens Dimmable 25K Hours 20W-Equiv T20	20W
20527	MR16FL3-930-GU5.3-LED3-D-T20	LED MR16 Flood 3W White 3000K GU5.3 Base 40Deg 12V 250 Lumens Dimmable 25K Hours 20W-Equiv T20	20W
20013	MR16M3-940-GU5.3-LED	LED MR16 Flood 3W 4000K GU5.3 Base 40Deg 12V 250 Lumens Dimmable 25K Hours 20W-equiv	20W
20528	MR16FL5-927-GU5.3-LED3-D-T20	LED MR16 Flood 5W White 2700K GU5.3 Base 40Deg 12V 380 Lumens Dimmable 25K Hours 35W-Equiv T20	35W
20529	MR16FL5-930-GU5.3-LED3-D-T20	LED MR16 Flood 5W White 3000K GU5.3 Base 40Deg 12V 360 Lumens Dimmable 25K Hours 35W-Equiv T20	35W
20530	MR16FL5-935-GU5.3-LED3-D	LED MR16 Flood 5W White 3500K GU5.3 Base 40Deg 12V 360 Lumens Dimmable 25K Hours 35W-Equiv	35W
20014	MR16M5-940-GU5.3-LED	LED MR16 Flood 5W 4000K GU5.3 Base 40Deg 12V 400 Lumens Dimmable 25K Hours 40W-equiv	40W
20531	MR16FL5-950-GU5.3-LED3-D-T20	LED MR16 Flood 5W White 5000K GU5.3 Base 40Deg 12V 400 Lumens Dimmable 25K Hours 35W-Equiv T20	35W
20532	MR16FL6-927-GU5.3-LED3-D	LED MR16 Flood 5.5W White 2700K GU5.3 Base 40Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv	50W
20533	MR16FL6-930-GU5.3-LED3-D	LED MR16 Flood 5.5W White 3000K GU5.3 Base 40Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv	50W
20534	MR16FL6-935-GU5.3-LED3-D	LED MR16 Flood 5.5W White 3500K GU5.3 Base 40Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv	50W
20016	MR16M7-940-GU5.3-LED	LED MR16 Flood 5.5W 4000K GU5.3 Base 40Deg 12V 500 Lumens Dimmable 25K Hours 50W-equiv	50W

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Ordering Information Continued

Product SKU	Product Code	Product Description	Equiv Watts
20535	MR16FL6-950-GU5.3-LED3-D	LED MR16 Flood 5.5W White 5000K GU5.3 Base 40Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv	50W
20536	MR16WFL3-927-GU5.3-LED3-D	LED MR16 Wide Flood 3W White 2700K GU5.3 Base 60Deg 12V 250 Lumens Dimmable 25K Hours 20W-Equiv	20W
20537	MR16WFL5-927-GU5.3-LED3-D	LED MR16 Wide Flood 5W White 2700K GU5.3 Base 60Deg 12V 380 Lumens Dimmable 25K Hours 35W-Equiv	35W
20538	MR16WFL5-930-GU5.3-LED3-D	LED MR16 Wide Flood 5W White 3000K GU5.3 Base 60Deg 12V 390 Lumens Dimmable 25K Hours 35W-Equiv	35W
20539	MR16WFL6-927-GU5.3-LED3-D-T20	LED MR16 Wide Flood 5.5W White 2700K GU5.3 Base 60Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20540	MR16WFL6-930-GU5.3-LED3-D-T20	LED MR16 Wide Flood 5.5W White 3000K GU5.3 Base 60Deg 12V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20017	MR16W7-940-GU5.3-LED	LED MR16 Wide Flood 5.5W 4000K GU5.3 Base 60Deg 12V 500 Lumens Dimmable 25K Hours 50W-equiv	50W
20541	MR16NFL7-927-GU10-LED3-D-T20	LED MR16 Narrow Flood 6.5W White 2700K GU10 Base 25Deg 120V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20010	MR16T7-930-GU10-LED	LED MR16 Narrow Flood 6.5W 3000K GU10 Base 25Deg 120V 500 Lumens Dimmable 25K Hours 50W-equiv	50W
20542	MR16NFL7-940-GU10-LED3-D-T20	LED MR16 Narrow Flood 6.5W White 4000K GU10 Base 25Deg 120V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20543	MR16NFL7-950-GU10-LED3-D-T20	LED MR16 Narrow Flood 6.5W White 5000K GU10 Base 25Deg 120V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20008	MR16M3-930-G10-LED	LED MR16 Flood 3W 3000K GU10 Base 40Deg 120V 250 Lumens Dimmable 25K Hours 20W-equiv	20W
20544	MR16FL5-927-GU10-LED3-D-T20	LED MR16 Flood 4.5W White 2700K GU10 Base 40Deg 120V 350 Lumens Dimmable 25K Hours 35W-Equiv T20	35W
20009	MR16M5-930-GU10-LED	LED MR16 Flood 4.5W 3000K GU10 Base 40Deg 120V 350 Lumens Dimmable 25K Hours 35W-equiv	35W
20545	MR16FL5-950-GU10-LED3-D-T20	LED MR16 Flood 4.5W White 5000K GU10 Base 40Deg 120V 350 Lumens Dimmable 25K Hours 35W-Equiv T20	35W
20546	MR16FL7-927-GU10-LED3-D-T20	LED MR16 Flood 6.5W White 2700K GU10 Base 40Deg 120V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20011	MR16M7-930-GU10-LED	LED MR16 Flood 6.5W 3000K GU10 Base 40Deg 120V 500 Lumens Dimmable 120V 25K Hours 50W-equiv	50W
20547	MR16FL7-940-GU10-LED3-D-T20	LED MR16 Flood 6.5W White 4000K GU10 Base 40Deg 120V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20548	MR16FL7-950-GU10-LED3-D-T20	LED MR16 Flood 6.5W White 5000K GU10 Base 40Deg 120V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W
20012	MR16W7-930-GU10-LED	LED MR16 Wide Flood 6.5W 3000K GU10 Base 60Deg 120V 500 Lumens Dimmable 25K Hours 50W-equiv	50W
20549	MR16WFL7-9CS-GU10-LED3-D-T20	LED MR16 Wide Flood 6.5W White 2700K-5000K (5CCT) GU10 Base 60Deg 120V 500 Lumens Dimmable 25K Hours 50W-Equiv T20	50W

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Performance Table

Product Code	Wattage	2700K		3000K		3500K		4000K		5000K	
		Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)
MR16NFL3-927-GU5.3-LED3-D	3W	250	83								
MR16NFL5-927-GU5.3-LED3-D	5W	380	76								
MR16NFL5-930-GU5.3-LED3-D	5W			380	76						
MR16NFL5-940-GU5.3-LED3-D	5W							380	76		
MR16NFL6-927-GU5.3-LED3-D-T20	5.5W	500	91								
MR16NFL6-930-GU5.3-LED3-D-T20	5.5W			500	91						
MR16NFL6-935-GU5.3-LED3-D	5.5W					500	91				
MR16T7-940-GU5.3-LED	5.5W							500	91		
MR16NFL6-950-GU5.3-LED3-D-T20	5.5W									500	91
MR16FL3-927-GU5.3-LED3-D-T20	3W	250	83								
MR16FL3-930-GU5.3-LED3-D-T20	3W			250	83						
MR16M3-940-GU5.3-LED	3W							250	83		
MR16FL5-927-GU5.3-LED3-D-T20	5W	380	76								
MR16FL5-930-GU5.3-LED3-D-T20	5W			360	72						
MR16FL5-935-GU5.3-LED3-D	5W					360	72				
MR16M5-940-GU5.3-LED	5W							400	80		
MR16FL5-950-GU5.3-LED3-D-T20	5W									400	80
MR16FL6-927-GU5.3-LED3-D	5.5W	500	91								
MR16FL6-930-GU5.3-LED3-D	5.5W			500	91						
MR16FL6-935-GU5.3-LED3-D	5.5W					500	91				
MR16M7-940-GU5.3-LED	5.5W							500	91		
MR16FL6-950-GU5.3-LED3-D	5.5W									500	91
MR16WFL3-927-GU5.3-LED3-D	3W	250	83								
MR16WFL5-927-GU5.3-LED3-D	5W	380	76								
MR16WFL5-930-GU5.3-LED3-D	5W			390	78						
MR16WFL6-927-GU5.3-LED3-D-T20	5.5W	500	91								
MR16WFL6-930-GU5.3-LED3-D-T20	5.5W			500	91						
MR16W7-940-GU5.3-LED	5.5W							500	91		
MR16NFL7-927-GU10-LED3-D-T20	6.5W	500	77								
MR16T7-930-GU10-LED	6.5W			500	77						
MR16NFL7-940-GU10-LED3-D-T20	6.5W							500	77		
MR16NFL7-950-GU10-LED3-D-T20	6.5W									500	77
MR16M3-930-G10-LED	3W			250	83						
MR16FL5-927-GU10-LED3-D-T20	4.5W	350	78								
MR16M5-930-GU10-LED	4.5W			350	78						
MR16FL5-950-GU10-LED3-D-T20	4.5W									350	78
MR16FL7-927-GU10-LED3-D-T20	6.5W	500	77								
MR16M7-930-GU10-LED	6.5W			500	77						
MR16FL7-940-GU10-LED3-D-T20	6.5W							500	77		
MR16FL7-950-GU10-LED3-D-T20	6.5W									500	77
MR16W7-930-GU10-LED	6.5W			500	77						
MR16WFL7-9CS-GU10-LED3-D-T20	6.5W	500	77	500	77	500	77	500	77	500	77

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Specifications Table

	MR16NFL3-927-GU5.3-LED3-D	MR16NFL5-9XX-GU5.3-LED3-D	MR16NFL6-9XX-GU5.3-LED3-D-T20	MR16NFL6-935-GU5.3-LED3-D	MR16T7-940-GU5.3-LED	MR16FL3-9XX-GU5.3-LED3-D-T20
Nominal Wattage	3W	5W	5.5W	5.5W	5.5W	3W
Delivered Lumens	250lm	380lm	500lm	500lm	500lm	250lm
Efficacy (lm/W)	83LPW	76LPW	91LPW	91LPW	91LPW	83LPW
CCT	2700K	2700K, 3000K or 4000K	2700K, 3000K or 5000K	3500K	4000K	2700K or 3000K
CRI	90					
L70 Lifetime (hrs)	25000					
Voltage	12V					
Power Factor	0.7					
Dimming	Yes (Triac)					
Housing Material	Polycarbonate					
Lens	Plastic					
Operating Temperature Min	-20°C					
Operating Temperature Max	40°C					
Listings	FCC - RoHS - IC - Damp Location Rated	FCC - RoHS - IC - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated	FCC - RoHS - IC - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated
Environment	Damp Location					
Warranty (Years)	3					
Weight (lbs)	0.0496	0.0529	0.0529	0.0529	0.0529	0.05
Operating Position	Universal					
Frequency	60Hz					
Beam Angle	25°	25°	25°	25°	25°	40°

	MR16M3-940-GU5.3-LED	MR16FL5-9XX-GU5.3-LED3-D-T20	MR16FL5-935-GU5.3-LED3-D	MR16M5-940-GU5.3-LED	MR16FL6-9XX-GU5.3-LED3-D	MR16M7-940-GU5.3-LED
Nominal Wattage	3W	5W	5W	5W	5.5W	5.5W
Delivered Lumens	250lm	360lm - 400lm	360lm	400lm	500lm	500lm
Efficacy (lm/W)	83LPW	72LPW - 80LPW	72LPW	80LPW	91LPW	91LPW
CCT	4000K	2700K, 3000K or 5000K	3500K	4000K	2700K, 3000K, 3500K or 5000K	4000K
CRI	90					
L70 Lifetime (hrs)	25000					
Voltage	12V					
Power Factor	0.7					
Dimming	Yes (Triac)					
Housing Material	Polycarbonate					
Lens	Plastic					
Operating Temperature Min	-20°C					
Operating Temperature Max	40°C					
Listings	FCC - RoHS - IC - Title 20 - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated	FCC - RoHS - IC - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated	FCC - RoHS - IC - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated
Environment	Damp Location					
Warranty (Years)	3					
Weight (lbs)	0.05	0.055	0.055	0.055	0.055	0.055
Operating Position	Universal					
Frequency	60Hz					
Beam Angle	40°					

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Specifications Table

	MR16WFL3-927-GU5.3-LED3-D	MR16WFL5-9XX-GU5.3-LED3-D	MR16WFL6-9XX-GU5.3-LED3-D-T20	MR16W7-940-GU5.3-LED
Nominal Wattage	3W	5W	5.5W	5.5W
Delivered Lumens	250lm	380lm - 390lm	500lm	500lm
Efficacy (lm/W)	83LPW	76-78LPW	91LPW	91LPW
CCT	2700K	2700K or 3000K	2700K or 3000K	4000K
CRI	90			
L70 Lifetime (hrs)	25000			
Voltage	12V			
Power Factor	0.7			
Dimming	Yes (Triac)			
Housing Material	Polycarbonate			
Lens	Plastic			
Operating Temperature Min	-20°C			
Operating Temperature Max	40°C			
Listings	FCC - RoHS - IC - Damp Location Rated	FCC - RoHS - IC - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated	FCC - RoHS - IC - Title 20 - Damp Location Rated
Environment	Damp Location			
Warranty (Years)	3			
Weight (lbs)	0.0496	0.0507	0.0507	0.0507
Operating Position	Universal			
Frequency	60Hz			
Beam Angle	60°			

	MR16M7-930-GU10-LED	MR16W7-930-GU10-LED	MR16WFL7-9CS-GU10-LED3-D-T20
Nominal Wattage	6.5W	6.5W	6.5W
Delivered Lumens	500lm	500lm	500lm
Efficacy (lm/W)	77LPW	77LPW	77LPW
CCT	3000K	3000K	Selectable 2700K, 3000K, 3500K, 4000K or 5000K
CRI	90		
L70 Lifetime (hrs)	25000		
Voltage	120V		
Power Factor	0.7		
Dimming	Yes (Triac)		
Housing Material	Polycarbonate		
Lens	Plastic		
Operating Temperature Min	-20°C		
Operating Temperature Max	40°C		
Listings	cETLus - FCC - RoHS - IC - Title 20 - Damp Location Rated		
Environment	Damp Location		
Warranty (Years)	3		
Weight (lbs)	0.048	0.048	0.058
Operating Position	Universal		
Frequency	60Hz		
Beam Angle	40°	60°	60°

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Specifications Table

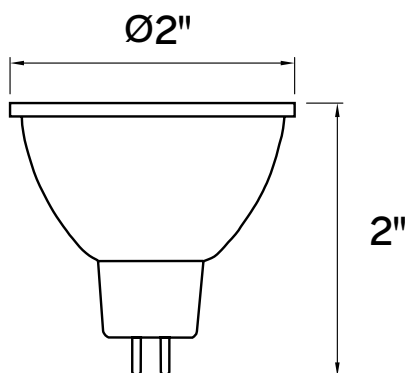
	MR16NFL7-9XX-GU10-LED3-D-T20	MR16T7-930-GU10-LED	MR16M3-930-GU10-LED	MR16FL5-9XX-GU10-LED3-D-T20	MR16M5-930-GU10-LED	MR16FL7-9XX-GU10-LED3-D-T20
Nominal Wattage	6.5W	6.5W	3W	4.5W	4.5W	6.5W
Delivered Lumens	500lm	500lm	250lm	350lm	350lm	500lm
Efficacy (lm/W)	77LPW	77LPW	83LPW	78LPW	78LPW	77LPW
CCT	2700K, 4000K or 5000K	3000K	3000K	2700K or 5000K	3000K	2700K, 4000K or 5000K
CRI	90					
L70 Lifetime (hrs)	25000					
Voltage	120V					
Power Factor	0.7					
Dimming	Yes (Triac)					
Housing Material	Polycarbonate					
Lens	Plastic					
Operating Temperature Min	-20°C					
Operating Temperature Max	40°C					
Listings	cETLus - FCC - RoHS - IC - Title 20 - Damp Location Rated					
Environment	Damp Location					
Warranty (Years)	3					
Weight (lbs)	0.075	0.075	0.047	0.047	0.047	0.0485
Operating Position	Universal					
Frequency	60Hz					
Beam Angle	25°	25°	40°	40°	40°	40°

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Dimensions

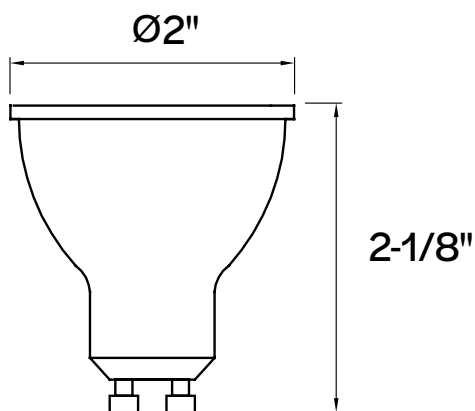
Dedicated 12V MR16 Bulb GU5.3 Base

SKU: 20013-20017, 20518-20540



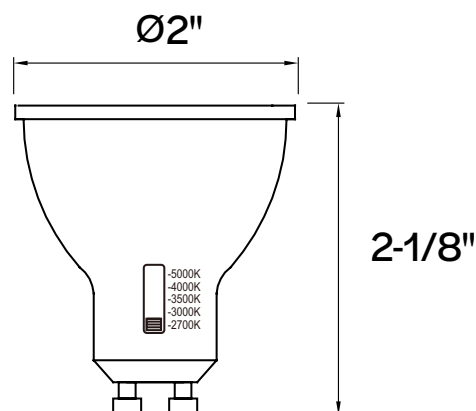
Dedicated 120V MR16 Bulb GU10 Base

SKU: 20009-20012, 20541-20548



Selectable 120V MR16 Bulb GU10 Base

SKU: 20549



Dimmer Compatibility

Dimmer Brand	Dimmer Model	12V GU5.3	120V GU10
Leviton	6672	●	●
Lutron	TGCL-153P	●	●
Lutron	DVCL-153P	●	●
Lutron	CTCL-153P	●	●
Lutron	MAELV-600	●	●
Lutron	PD-6WCL	●	●
Lutron	DVELV-300P	●	●
Lutron	S-600P	●	●
Lutron	DV-600P	●	●
Lutron	MACL-153M	●	●
Legrand	RHCL-453P	●	●
Lutron	PWCL-153PH	●	●
Leviton	DSL-06	●	●