

# MR16/GU10/PAR16, Static CCT



PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

TYPE: \_\_\_\_\_

PREPARED BY: \_\_\_\_\_



### KEY FEATURES

- Produces rich vibrant colors >90 CRI
- Energy-efficient replacement for incandescent and halogen small-diameter reflectors
- Single optic and full face lens for precise beam angle control
- Longer lifespan compared to legacy equivalents minimizes replacement and maintenance costs
- Title 20 Compliant, ENERGY STAR Compliant, UL Listed

## Small Reflectors, 35-60W Equivalents



PERFORMANCE												
Catalog Number	Shape	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Input Voltage	Beam Angle	Color Temp	L70 Lifespan	Base Type		
PAR16-6-940-40D-DIM	PAR16	6W	500 lm	83 lm/W	120V	40°	4000K	15,000 hrs	E26 Edison			
PAR16-6-930-40D-DIM						40°	3000K	15,000 hrs				
PAR16-6-927-40D-DIM						40°	2700K	15,000 hrs				
MR16-5-940-40D-DIM	MR16	5W	400 lm	80 lm/W	12V	40°	4000K	15,000 hrs	GU5.3 Bi-pin			
MR16-5-930-40D-DIM						40°	3000K	15,000 hrs				
MR16-5-927-40D-DIM						40°	2700K	15,000 hrs				
MR16-5.5-940-40D-DIM						5.5W	500 lm	91 lm/W		40°	4000K	15,000 hrs
MR16-5.5-940-25D-DIM										25°	3000K	15,000 hrs
MR16-5.5-930-40D-DIM										40°	2700K	15,000 hrs
MR16-5.5-930-25D-DIM		25°	2700K	15,000 hrs								
MR16-7-940-40D-DIM		7W	660 lm	94 lm/W	40°					4000K	15,000 hrs	
MR16-7-930-40D-DIM					40°					3000K	15,000 hrs	
MR16-7-927-40D-DIM					40°	2700K	15,000 hrs					

## PERFORMANCE (cont'd)

Catalog Number	Shape	Wattage Equivalency	Input Wattage	Lumens	Efficacy	Input Voltage	Beam Angle	Color Temp	L70 Lifespan	Base Type
MR16-5.5-927-40D-DIM	MR16	50W Halogen	5.5W	500 lm	91 lm/W	12V	25°	4000K	15,000 hrs	GU5.3 Bi-pin
MR16-5.5-927-25D-DIM							40°	3000K	15,000 hrs	
GU10-6.5-930-35D-DIM-G2	GU10	60W Incandescent	6.5W	560 lm	86 lm/W	120V	25°	2700K	25,000 hrs	GU10 Bi-pin
GU10-4.5-827-35D-DIM							35°	3000K	15,000 hrs	GU10 Bi-pin
GU10-4.5-830-35D-DIM							40°	2700K	15,000 hrs	
GU10-4.5-840-35D-DIM							40°	3000K	15,000 hrs	
GU10-4.5-850-35D-DIM							40°	5000K	15,000 hrs	

## TECHNICAL SPECIFICATIONS

## CONSTRUCTION

**Product Type**

Small Reflectors, 90 CRI Dimmable

**Shape**

PAR16, MR16, GU10

**Trim Style**

Smooth or Baffle

**Endcap Material**

Nickel-plated copper

**Enclosure Material**

Polycarbonate

**Finish**

White

## ELECTRICAL

**Dimmable**

Yes, dimmable down to 10% on compatible TRIAC/ELV dimming systems. See Dimmer Compatibility List.

**Driver**

Constant Current 120V 50/60 Hz; 120V: 54mA

**Input Voltage**

PAR16 & GU10: 120V; MR16: 12V

**Operating Temperature**

-4°F to 104°F (-20°C to 40°C)

**THD**

<55%

**Power Factor**

0.7

**Flicker**

≤30%

## COMPLIANCE

**Listings**

UL Listed\*

**ETL Listed\***

This product has been tested by Intertek and found in compliance with accepted national standards.

**Environment\***

Suitable for use indoors and outdoors in dry, damp, or wet environments.

**Fixture Rating**

Suitable for use in enclosed fixtures

**Energy Star Approved**

No

**DLC Listed**

No

**California Title 20 Compliant\***

Can be used to conform with the requirements of California Title 20.

**California Title 24 JA8 Compliant\***

Can be used to conform with the requirements of California Title 24 Part 6

**California Energy Commission (CEC)**

Lawful for Sales in California

**IESNA LM-79 & LM80 Testing**

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

**FCC**

Complies with Part 15 of the FCC Rules

\*Select models

## INSTALLATION

**Base Type**

PAR16: E26 Edison; MR16: GU5.3 Bi-pin; GU10: GU10 Bi-pin

## TECHNICAL SPECIFICATIONS *(cont'd)*

### LED CHARACTERISTICS

**Beam Angle**

40°

**Color Temperature**

2700/3000\*/3500/4000/5000K\*\*

**Color Accuracy (CRI)**

80 CRI, 90 CRI

**R9 Value**

High color performance with R9 greater than 0

**Color Consistency**

<4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

\* Not available for GU10-6.5W

\*\* Only available for GU10-4.5

### OTHER

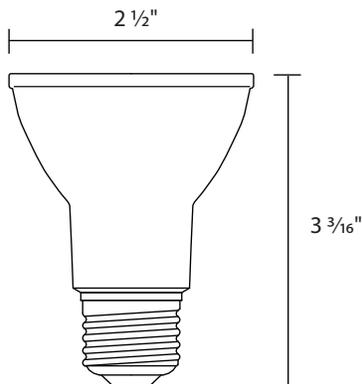
**Warranty**

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of three (3) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

## DIMENSIONS

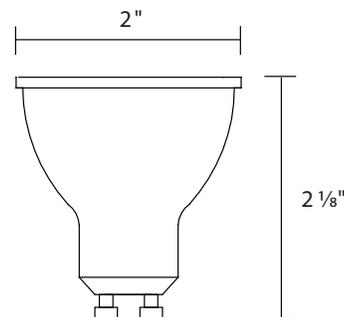
### PAR16-6-XX-40D-DIM

Weight: 0.07 lbs.



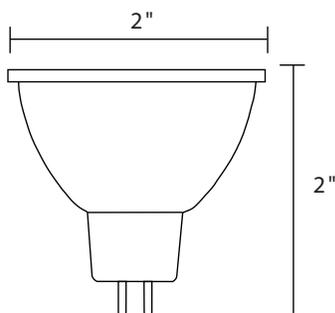
### GU10-4.5-XX-35D-DIM

Weight: 0.11 lbs.



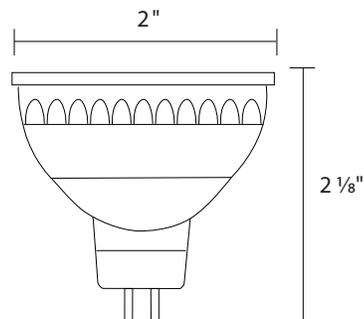
### MR16-5-5.5-XX-40D-DIM

Weight: 0.06 lbs.



### MR16-7-XX-40D-DIM

Weight: 0.11 lbs.



# MR16/GU10/PAR16, Static CCT



## ORDERING INFO

Catalog Number	Model Number	UPC	Case Pack
PAR16-6-940-40D-DIM	PAR16-6-940-40D-DIM	192552057400	12
PAR16-6-930-40D-DIM	PAR16-6-930-40D-DIM	192552057400	12
PAR16-6-927-40D-DIM	PAR16-6-927-40D-DIM	192552057394	12
MR16-7-940-40D-DIM	P30031(MR16-7-940-40D-DIM)	19813908144	12
MR16-7-930-40D-DIM	P30030(MR16-7-930-40D-DIM)	192552052757	12
MR16-7-927-40D-DIM	P30029(MR16-7-927-40D-DIM)	192552052740	12
MR16-5-940-40D-DIM	P30025(MR16-5-940-40D-DIM)	192552052702	12
MR16-5-930-40D-DIM	P30024(MR16-5-930-40D-DIM)	192552052696	12
MR16-5-927-40D-DIM	P30023(MR16-5-927-40D-DIM)	192552052689	12
MR16-5.5-940-40D-DIM	P30028(MR16-5.5-940-40D-DIM)	192552052733	12
MR16-5.5-940-25D-DIM	P30038(MR16-5.5-940-25D-DIM)	192552057387	12
MR16-5.5-930-40D-DIM	P30027(MR16-5.5-930-40D-DIM)	192552052726	12
MR16-5.5-930-25D-DIM	P30037(MR16-5.5-930-25D-DIM)	192552052788	12
MR16-5.5-927-40D-DIM	P30026(MR16-5.5-927-40D-DIM)	192552052719	12
MR16-5.5-927-25D-DIM	P30036(MR16-5.5-927-25D-DIM)	192552052771	12
GU10-6.5-930-35D-DIM-G2	GU10-6.5-930-35D-DIM-G2	19813510668	12
GU10-4.5-827-35D-DIM	P30032(GU10-4.5-827-35D-DIM)	19813908151	10
GU10-4.5-830-35D-DIM	P30033(GU10-4.5-830-35D-DIM)	19813908168	10
GU10-4.5-840-35D-DIM	P30034(GU10-4.5-840-35D-DIM)	19813908175	10
GU10-4.5-850-35D-DIM	P30035(GU10-4.5-850-35D-DIM)	192552052764	10

## ORDERING MATRIX

Family	Wattage	Base Type	CRI/Color Temp	Beam Angle	Voltage/Dimming
<b>PAR16</b>	6			40D	DIM
6	6W	Blank E26 Edison	927 930 940	40D 40 Degrees	DIM 120V; TRIAC/ELV
<b>MR16</b>					DIM
5 5.5* 7	5W 5.5W 7W	Blank GUS.3 Bi-pin	927 930 940	40D 25D* 40 Degrees 25 Degrees	DIM 12V; TRIAC/ELV

\*Only 5.5W is available in 25D beam angle

# MR16/GU10/PAR16, Static CCT



## ORDERING MATRIX (cont'd)

Family	Wattage		Base Type		CRI/Color Temp		Beam Angle	Voltage/Dimming	
GU10	4.5	4.5W	Blank	GU10 Bi-pin	827	80 CRI, 2700K	35D		
	6.5*	6.5W			830	80 CRI, 3000K		35 Degrees	DIM
					840	80 CRI, 4000K			DIM-G2
					850	80 CRI, 5000K			120V; TRIAC/ELV
					930*	90 CRI, 3000K			120V; TRIAC/ELV

\*Only 6.5W is available with 90 CRI

## Dimmer Compatibility List

### PAR16 & GU10

		Dimmer compatibility						
Brand	Dimmer Cat NR	1 Lamp	2 Lamp	3 Lamp	4 Lamp	5 Lamp	6 Lamp	Dimming Level
LUTRON	MAELV-600	✓	✓	✓	✓	✓	N/A	10%
LUTRON	CTCL-153P	✓	✓	✓	✓	✓	N/A	10%
LUTRON	DVCL-153P	✓	✓	✓	✓	✓	N/A	10%
LUTRON	TGCL-153P	✓	✓	✓	✓	✓	N/A	10%
LUTRON	6672	✓	✓	✓	✓	✓	N/A	10%
LEGRAND	IPL06	✓	✓	✓	✓	✓	N/A	10%
RAB	XDIM	✓	✓	✓	✓	✓	N/A	10%

GU10-4.5-8XX-35D-DIM not compatible

### MR16

		Dimmer compatibility						
Brand	Dimmer Cat NR	1 Lamp	2 Lamp	3 Lamp	4 Lamp	5 Lamp	6 Lamp	Dimming Level
LUTRON	MAELV-600	✓	✓	✓	✓	✓	N/A	10%
LUTRON	CTCL-153P	✓	✓	✓	✓	✓	N/A	10%
LUTRON	DVCL-153P	✓	✓	✓	✓	✓	N/A	10%
LUTRON	TGCL-153P	✓	✓	✓	✓	✓	N/A	10%
LEVITON	DSL06	✓	✓	✓	✓	✓	N/A	10%
LUTRON	MACL-153M	✓	✓	✓	✓	✓	N/A	10%