



Brilliance LED
“A Higher Light Form”
Have questions or need help?
Call us at 1.800.PVC.TURF



The Brilliance LED MR16 fits into standard low voltage MR16 fixtures and sockets

TYPICAL APPLICATIONS

- Landscape Accent/Spot Lighting •
- Architectural Lighting • Display Case Accent • Artwork Lighting • Mood Lighting • Bars & Restaurants

3Watt High Power LED Spotlight MR16 by Brilliance LED - The MR16 by Brilliance LED is designed to fit into the standard low voltage MR16 fixtures and sockets, and utilizes unique technologies specifically developed for high power solid-state lighting devices.

Featuring - The Brilliance LED MR 16 works with magnetic or electronic transformers • Includes over current and voltage protection • Excellent heat dissipation • Dimmable with magnetic transformer • All of these features combine for the most stable, energy efficient and brilliant lighting solution!

CREE XR-E Light Source - The Brilliance LED MR16 features the CREE XR-E, leading the LED lighting revolution with its unprecedented brightness, efficacy, lifetime and quality of light.

GENERAL - Type: MR16 – Model BL-DS09B • Base: MR-16
 Input voltage: AC/DC 8-15 Volts • Light Source: CREE XR-E Chipset

AVAILABLE COLORS – Available in Warm White, Cool White, Red, Green, Blue, Amber

3W-CREE WARM WHITE 15° x 15°		
3 Watts	Candle Power 1,560	LED
LifeHours N/A		
2ft	0°	390.0FC
4ft	10°	97.5
6ft	16°	43.5
8ft	21°	32.5
10ft	27°	15.6
12ft	31°	10.8
14ft	38°	7.9
16ft	42°	6.1
18ft	48°	4.8
20ft	52°	3.9

3W-CREE WARM WHITE 35° x 35°		
3 Watts	Candle Power 540	LED
LifeHours N/A		
2ft	0°	135.0FC
4ft	33°	33.7
6ft	41°	15.0
8ft	65°	8.4
10ft	80°	5.4
12ft	97°	3.7
14ft	112°	2.7
16ft	127°	2.1
18ft	141°	1.6
20ft	154°	1.3

BRILLIANCE LED MR16 TECHNICAL DATA

Total Lumens:

Warm White: 270 lm ±5% (90 lumens per watt), Cool White: 270 lm ±5%

Color output in Kelvin:

Warm White: 2800K-3000K, Cool White: 5500K-6000K

Typical CRI:

Warm White (2,800 K – 3,000 K CCT) is =>80.

Junction temperature during operation in C: 58-63° C(TJ = 25°C)

Operating Voltage range: 8-15 AC or DC

Drive Current: 330mA

High quality optics with beam angles of 15, 25, 35, 45 and 60 degree

Over current protection • Pure aluminum heat sink • Conformal coated PCB

3W-CREE WARM WHITE 60° x 60°		
3 Watts	Candle Power 260	LED
LifeHours N/A		
2ft	0°	65.0FC
4ft	47°	16.2
6ft	61°	7.2
8ft	92°	5.4
10ft	116°	2.6
12ft	131°	1.8
14ft	162°	1.3
16ft	185°	1.2
18ft	209°	0.8
20ft	233°	0.6



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Introducing the new BrillianceLED PAR 36 Solid State Lighting Device with multi-purpose base that allows for easy slip-on or screw terminal connections

Energy Efficient PAR 36

- Up to 80% energy savings compared to incandescent

Technical Data

- 5 and 9 watts • 12 Volt • 40,000 hours useful life • Warm White • 15°, 30° and 60° beam angles available in warm white, cool white, red, green, blue and amber • IP65 • Multi-Purpose base allows for slip-on or screw terminal connections

Reliable Construction

- USA CREE XR-E chipset • European optics • Proprietary driver provides optimal electrical characteristics for each lamp type • Extruded aluminum heat-sink for thermal management

BrillianceLED PAR 36 Benefits

- Precise beam control • Mercury free, eliminating disposal concerns • No UV • Does not project heat
- Reduced maintenance • Consistent lamp-to-lamp color • Water resistant

Typical Applications – Uplighting large trees, highlighting walls and a variety of outdoor applications.

Lamp Type	Watts	Product #	Color Temp	Lumens	Voltage	Useful Life	Beam Angle
PAR 36	5	BL-PAR36-5-WW	Warm White 3000K	318	12-18V AC/DC	40,000	15°, 30°, 60°
PAR 36	5	BL-PAR36-5-WW	Warm White 3000K	402	12-18V AC/DC	40,000	15°, 30°, 60°

* Useful life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to burn past this point, but at decreased light levels. Warranty – Commercial / Industrial: This product is warranted for 5 years for residential applications and 2 years commercial applications, from the date of purchase, based on 10 hours of use per day. Warning: Due to multiple input voltage integrated circuits, this product is not compatible with dimming devices. Note: May not be compatible with all Electronic transformers. Not for use in enclosed fixtures.



Dynasty® 1156 LED Lamp

The Dynasty® 1156 LED lamp is designed for landscape lighting, recreational vehicles, and marine applications. This compact lamp operates on a 12v to 24v system, and can be installed into any standard 1156 socket. It is designed with CAO Group's patented Dynasty® high-flux LED, which is completely removable, energy efficient, water resistant, and features a multi-directional beam pattern making it ideal for general lighting applications. The lamp has no filament or glass parts making it vibration resistant. It also contains no hazardous materials, and is RoHS compliant. The interchangeable Dynasty LED makes it easy to change colors without buying a new lamp. For more Dynasty lighting products, **Look for the Butterfly!**

Applications

- Landscape/Pathway lighting
- Recreational vehicle lighting
- Architecture lighting
- Marine/Boat lighting

Benefits

- 4 year warranty
- Environmentally safe, RoHS compliant
- Low carbon footprint

Features

- Vibration resistant
- Water resistant
- High lumen output
- 360° horizontal, 275° vertical beam pattern
- Operates on a 12v to 24v system
- Available in white (2700K and 5700K)
- Interchangeable Dynasty® light source
- AC & DC compatible
- Superior performance in outdoor environments

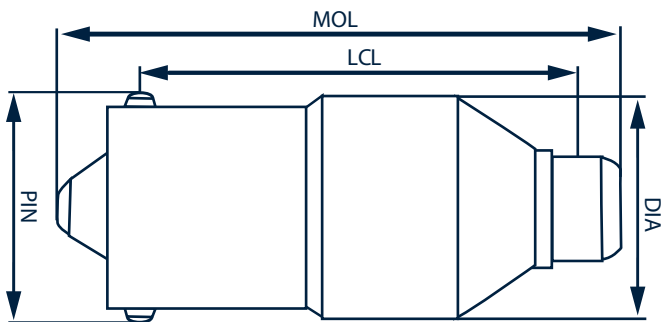




Specifications

Product #	Ordering Abbr.	Watts	Base	Volts	Case Qty.	Description	Warranty	Lumens	CCT	Amps
30001	1156/57K/LED	1.5	SC Bayonet	12/24	25	5700K, 1 pk box	4 Years	65	5700K	<.15
30014	1156/27K/LED	1.5	SC Bayonet	12/24	25	2700K, 1 pk box	4 Years	65	2700K	<.15

Mechanical Dimensions



Dimensions	Description	Inch	mm
LCL	Light Center Length	1.34"	34.0
DIA	Maximum Diameter	0.66"	16.7
MOL	Maximum Overall Length	1.71"	43.4
PIN	Maximum Pin Spacing	0.67	17.0



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ISO 9001 CERTIFIED
 TS 16949 CERTIFIED FACTORY

Patent# 6,465,961 and patents pending