



AMERAL INTERNATIONAL, INC.

LED-PAR 38 REPLACEMENT BULB WITH POWERBAND™ TECHNOLOGY

LED-PAR 38

Powerband™ Technology

This proprietary feature allows the flexibility of producing light outputs based on 10 watts, 12 watts or 16 watts, with a simple twist of the band. This will create lumen outputs of 550 lumens, 650 lumens or 800 lumens respectively. Now you can optimize your lighting design both in terms of light output as well as light energy savings, and all with one unique bulb!

Proprietary Intelligent Communication (PIC)

This patent pending feature allows the bulb to communicate via a sophisticated electronic light wave pattern, information such as, manufacturing information, installation information, hours of use and wattage settings. This is especially important due to the extremely long bulb life, but also can play a key role in overall energy evaluation, maintenance and design.

Efficiency

LED technology saves up to 80% of the light energy cost of current 75 watt Halogen bulbs. In addition, the LED PAR 38 unique construction provides the Center Beam power that truly creates a lighting experience previously unattainable in this technology.

Reliability

Designed and built with the highest level of components available today, including industry leading CREE LED's, this UL approved product is produced in a world class manufacturing environment to the highest level of quality standards to assure a minimum of 50,000 hour bulb life, more than 20 times the life of standard Halogen bulbs.

Thermal Management

A hidden advantage of this bulb is its highly efficient thermal management system. With operating temperatures at 50% less than Halogen bulbs, this bulb not only saves on lighting energy costs, but also reduces air conditioning costs due to the drastic heat reduction. Validated testing has conclusively proven that for every 1 watt of light energy saved, a 1/2 watt of secondary air conditioning savings is also achieved.

Worldwide Installation

The LED PAR 38 bulb has been designed with a universal voltage power supply of 85 volts to 265 volts with an onboard power management system allowing this product to be installed in virtually any country in the world!

Dimmability

Another key advantage of the LED PAR 38 program is its ability to dim throughout the power range with virtually any dimmer on the market today!

Beam color and angles

Designed for accent lighting applications the LED PAR 38 is available in both 2700 and 3000 Kelvin and comes in a variety of beam angles including a 10 degree spot, a 16 degree wide spot and a 22.5 degree narrow flood. In addition, each bulb optic has been designed to provide superior beam conformation, peripheral lighting and intense Center Beam saturation to create a truly superior high powered accent light as well as room filling lighting coverage.



FEATURES

- 3 color temperatures 3 beam spreads
- POWERBAND™ variable wattage
- PIC DATA PRO™ intelligent communication
- Fully Dimmable
- CREE inside
- 5 year warranty
- Cypress Power PSoC® technology
- Custom Optics
- Proprietary CrimpFin™ heat sink
- 50,000 hour life
- UL listed & FCC compliant
- Lighting Facts Official Partner
- Light weight design
- Managed Drive Current

TECHNICAL SPECIFICATIONS

Watts: 10W - 12W - 16W
Lumen Output: 550 - 650 - 800
Power Factor: Greater than 95
Lamp Voltage: 120Volts

CBCP 10W 12W 16W
10.0o 14,500+ 16,500+ 19,500+
16.0o 5,750+ 6,750+ 8,000+
22.5o 3,900+ 4,500+ 5,300+

Color Temp: 2700K, 3000K, 4500K
Beam Angle: 10.0o 16.0o 22.5o
CRI: Greater than 81
Life: 50,000 hours
Dimmable: YES
Warranty: Five (5) years
Approvals: UL, ROHS, FCC
Bulb Type: Par 38



*Saving Energy...Saving
Money...Saving Carbon...
Saving Our Planet*

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