

ProLED.

Solid State Lighting



ProLED® Lamp Technology Expands Your Application Solutions



Technology continues to expand the capabilities and applications for LED lamps. Halco's highly efficient and long life ProLED lamps achieve up-to 40,000 hours life, reduce energy use by up-to 83% compared to standard Incandescent and Halogen lamps, improve lumen maintenance and meet the higher standards of lighting design and environmental consciousness.



ProLED lamps include a wide range of options that meet expanded application needs. These lamps are available in multiple beam spreads, tightly-controlled Warm White and Natural White color temperatures and a variety of colors including: Amber, Blue, Green, Red and color-changing RGB.



Dimmability on Demand

By offering dimmable options within our MR11, MR16, PAR16, PAR20, PAR30, PAR38 and A-Shape lamp types we further expand your ability to meet demand for broader LED applications. These dimmable lamps are designed for analog controls and dim to a low 5 percent*. High power dimmable lamps fulfill your long lasting, energy efficient lighting requirements.



A-Shape For Added Applications

The addition of our A-Shape lamps was a result of high demand. Making these very popular lamps dimmable down to 5 percent* provides you with solutions for many more applications, including table lamps, pendant lamps and others where the limited dimmability of compact fluorescents might not be optimal. ProLED lamps avoid the shortcomings of other energy saving lighting products by projecting no heat, operating mercury-free and without damaging UV output, while providing instant full brightness.



ProLEDs Provide Long Life

All high power ProLED lamps are specified at 40,000 hours rated life to L70, meaning the lamps will provide 70% of its initial specifies lumens at rated life. Additionally, ProLED JC type lamps offer 20,000 hours life. This feature makes them a viable solution for applications where

low maintenance is paramount, such as those hard-to-reach sockets.



*Dimming range limited by dimming device.

When It Comes To The Environment, LEDs Get The Green Light

Not only do LED lamps conserve energy, producing up-to 83 lumens per watt, they contain no mercury, which eliminates disposal concerns. Whereas many light sources project much of their lost energy as heat, LEDs are very efficient and project no heat or UV.

We Build Our LEDs With A Solid State Of Mind

The key to LED longevity is its solid-state construction. Without components that can break, such as filaments, the source is extremely stable, withstanding vibration and voltage spikes. ProLED products utilize the highest quality components, including USA and Japanese chips, European manufactured optics, Halco's proprietary designed driver and special heat sinks for superior thermal management all ensure overall performance. All high power ProLED products come with a 5-year warranty, and JC type lamps are backed by a 2-year warranty.

Get Precision Beam Control & Color Flexibility All In One

ProLED lamps provide optimum beam control, while providing the utmost flexibility for adding color accents to applications. Our ProLED product offering contains lamps for both line and low voltage applications. The result is precision performance and dramatic effects.

Redesigned with the Consumer in Mind

Halco is continually redesigning our ProLED product line to meet the ever-changing needs and technological improvements that characterize the LED marketplace. We strive to develop and design new products to meet customers' specific lighting needs:

- Our PAR16 and PR20 lamps have been reconstructed with a strong R9 factor for richer reds preferred by the restaurant industry.
- Halco's A-Shape lamps are now made with a re-engineered diffuser globe and white, thermally conductive plastic to improve light distribution, aesthetic and to reduce weight, while keeping the product cost-competitive.
- Halco introduced additional PAR16, PAR20 and MR16 lamp options using die-casting to expand application through proper fit. This improvement also allows for flexibility in our shapes and helps us make the lamps cost-effective, without having to sacrifice heat dissipation and reliability.
- Halco's PAR30 lamps changed shape to make room for dimming capabilities and improve heat dissipation.
- Our MR11 lamp shape has been altered for better heat dissipation and to better match the size of the Halogen original.

In addition to redesign, Halco expanded our lumen output availability by lamp type to deliver the optimum quality and quantity of light for the right price. These products still offer the superior components that LED is known for, such as excellent light quality and dimmability, but using simplified moldings and optics.

For the most up-to-date specifications and technical information on our LED products, please visit us at www.halcolighting.com.

MR11



MR16



PAR16



PAR20



PAR30



PAR38



PAR36



where there's **light**, there's halco.

Quality Assurance

At Halco Lighting Technologies, we are committed to quality and service.

We measure our success by one standard, customer satisfaction.

With this in mind, we offer you the following:

Should you encounter any product from Halco Lighting Technologies that fails to perform according to specifications, contact your account representative immediately. If our product is found to be defective in either material or workmanship, we will credit your account or replace the product at no charge. In order to better maintain our standard of quality, we reserve the right to inspect any defective product.

We make this assurance to clearly demonstrate our commitment to your satisfaction.

