

Halco's ProLED lamps feature an unrivaled combination of efficiency, long life and light quality, providing the best overall performance in LED technology. End users benefit from LED technology with savings of up-to 88% in energy costs by installing ProLED lamps. ProLED lamps feature a long life - up-to 40,000 hours - which saves on maintenance and lamp replacement costs and makes them perfect for hard-to-reach applications. This technology features a special heat-sink designed for optimal thermal management to accommodate the most challenging light sources.



Halco Lighting Technologies® is a leading manufacturer of lamps and ballasts designed for commercial/industrial, residential and specialty lighting applications. Halco's extensive product offering includes the following brands: Halco®, Sollos®, ProLED®, ProLume®, HaloXen®, Prism®, ProFormance®, Eco-Shield®, CoverShield® and SureColor®. Established in 1974, Halco is headquartered in Atlanta and has additional distribution centers in Cleveland, Houston and Phoenix.

In addition to offering one of the most comprehensive product lines in the industry, Halco distinguishes itself with:

- Extensive manufacturing expertise in creating premium quality products
- A specialized Product Development Team for each product group
- A state-of-the-art Testing Laboratory for quality control and new product development
- Lamp (IES LM-79 data available) and fixture photometry
- Dedicated Account Representatives who provide knowledgeable field support and real-time quoting and ordering
- Being a single source partner for fixtures and lamps
- Same day shipping for orders placed by 2:00pm local warehouse time

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## Illuminate the Difference



Low Voltage LED Lamps

# Halco ProLED Comparison Guide

## Benefits of Halco's ProLED Lamps:

- Save up-to 88% in energy costs
- Input voltage range eliminates voltage drop concerns
- IP67 rated Waterproof PAR36 lamps and IP65 rated JC lamps
- Low wattage draw allows more fixtures per transformer
- ProLED MR, PAR and IP65 rated JC lamps provide up-to 40,000 hour life, and standard JC lamps provide 20,000 hour life
- Long life saves on maintenance and lamp replacement costs
- Precise beam control and consistent lamp-to-lamp color
- Available in 2700K Warm White and 5000K Natural White
- Specially engineered heat-sink for proper thermal management
- Mercury and UV Free
- 5-year limited warranty on ProLED MR, IP65 Rated JC, and PAR lamps, and 2-year limited warranty on standard ProLED JC lamps

## Operating Characteristics

LED chips require a well regulated voltage and current. ProLED products are made with integrated drivers and transformers and utilize a special heat sink in order to safely drive the LED components and achieve a long lifespan. These lamps provide optimum beam control, while providing the utmost flexibility for adding color accents to applications. ProLED low voltage lamps operate with universal input voltage of 10-18 volts. The result is precision performance and dramatic effects.

	ProLED Lamp							Halogen Equivalent			ProLED Advantage	
	Product #	Watt	Lumens	CBCP	Life (Hrs)	Beam Spread	Annual Cost*	Watt	Life (Hrs)	Annual Cost*	Annual Savings	Longer Life
JC20/2WW/LED2	80774	2.5	140	-	40000	-	\$1.00	20	5000	\$8.00	\$7.00	8
MR16/3M4WW/FL/LED	80702	4.5	200	560	40000	13°	\$1.80	20	3000	\$8.00	\$6.20	13
MR16/3M5WW/FL/LED	80763	5	250	480	40000	37°	\$2.00	30	3000	\$12.00	\$10.00	13
MR16/4M5WW/FL/LED	80766	5	300	640	40000	32°	\$2.00	30	3000	\$12.00	\$10.00	13
MR16/6WW/FL/LED	80016	6	350	560	35000	49°	\$2.40	35	3000	\$14.00	\$11.60	13
MR16/6M7WW/FL/LED	80747	6.5	390	880	40000	46°	\$2.60	50	3000	\$20.00	\$17.40	13
PAR36/6WW/WFL/LED2	80768	6.5	260	680	40000	32°	\$2.60	20	5000	\$8.00	\$5.40	8
PAR36/10WW/WFL/LED2	80769	10	420	920	40000	32°	\$4.00	35	4000	\$14.00	\$10.00	10

\*Annual energy costs based on \$0.11kWh and 3650 annual hours of operation.

### JC, MR16, AND PAR36 LAMP TYPES



#### JC Technical Data

- IP65 Rated Option
- 10-18 Voltage Range
- Up-to 40,000 Hours Average Rated Life
- Warm White
- G4 and BA15s Base



#### MR16 Technical Data

- Available in 10-18 Voltage Range
- Available 40,000 Hours Average Rated Life
- Warm White, Natural White, Amber, Blue, Green and Red
- Spot, Narrow Flood, Flood and Very Wide Flood Beam Spreads
- GU5.3 Base



#### PAR36 Technical Data

- IP67 Rated
- 10-15 Voltage Range
- 40,000 Hours Average Rated Life
- Warm White
- 32° Beam Spread
- Multi-Purpose Base allows for slip-on or screw terminal connections

