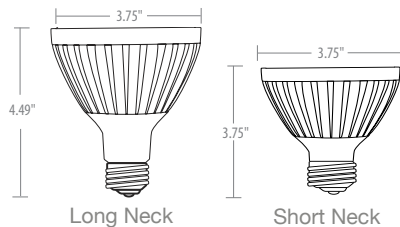


# ProLED PAR30



## Specifications

- High power LED for maximum efficiency
- Up-to 83% energy savings - 13W PAR30 versus 75W Halogen
- Acceptable for ICAT rated luminaires
- Dimmable to 5% for design flexibility
- Up-to 40,000 hour life, 14 times longer than traditional lamps
- 2700K, 3000K, 4000K or 5000K CCT
- Up-to 82 CRI for quality and consistent color rendering
- Flood, Narrow Flood or Spot beam spreads
- No Mercury or UV/IR emissions
- RoHS compliant
- 5-year Limited Warranty

## Markets & Applications



## Ordering Information



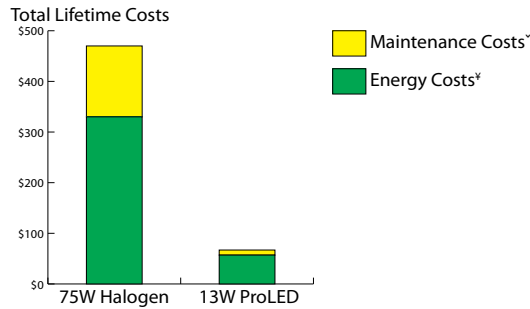
Watt	Base	Product #	Product Code	Description	Volts	Color Temp.	CRI	Lumens	CBCP	Useful Life*	Pkg. Qty.	Beam Spread	MOL	Wattage Equivalent
13 Watt	Med.	80066	PAR30FL13/827/LED	Flood	120	2700	82	680	1250	40000	1/6	40°	4.49"	75
13 Watt	Med.	✓ 80026	PAR30FL13/830/LED	Flood	120	3000	82	700	1280	25000 ■	1/6	40°	4.49"	75
13 Watt	Med.	80068	PAR30FL13/840/LED	Flood	120	4000	82	730	1340	40000	1/6	40°	4.49"	75
13 Watt	Med.	80030	PAR30FL13/850/LED	Flood	120	5000	72	760	1360	40000	1/6	40°	4.49"	75
13 Watt	Med.	80096	PAR30NFL13/827/LED	Narrow Flood	120	2700	82	680	2910	40000	1/6	25°	4.49"	75
13 Watt	Med.	80028	PAR30NFL13/830/LED	Narrow Flood	120	3000	82	700	3000	40000	1/6	25°	4.49"	75
13 Watt	Med.	80038	PAR30NFL13/850/LED	Narrow Flood	120	5000	72	760	3250	40000	1/6	25°	4.49"	75
13 Watt	Med.	80102	PAR30SP13/827/LED	Spot	120	2700	82	680	4900	40000	1/6	15°	4.49"	75
13 Watt	Med.	80098	PAR30SP13/830/LED	Spot	120	3000	82	700	5100	40000	1/6	15°	4.49"	75
13 Watt	Med.	80100	PAR30SP13/850/LED	Spot	120	5000	72	760	5500	40000	1/6	15°	4.49"	75
15 Watt	Med.	80142	PAR30FL15S/827/LED	Flood, Short Neck	120	2700	82	770	1500	40000	1/6	40°	3.75"	75
15 Watt	Med.	✓ 80138	PAR30FL15S/830/LED	Flood, Short Neck	120	3000	82	800	1600	25000 ■	1/6	40°	3.75"	75

\* 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 at decreased light levels. May not be compatible with all dimming systems, dimming performance may vary by system, please visit [www.halcolighting.com/ProLEDdim](http://www.halcolighting.com/ProLEDdim) for dimmer compatibility information. Use on incompatible systems may shorten lamp life.

✓ Represents lamps that are ENERGY STAR approved.

■ ENERGY STAR mandates that lamps may only be listed at 25,000 hour life with 3,000 hour actual life test data, 6,000 hour LM80 data and in-situ temperature measurements. Upon completion of full lifetime testing, ProLED ENERGY STAR listed lamps will be listed at their full lifetime.

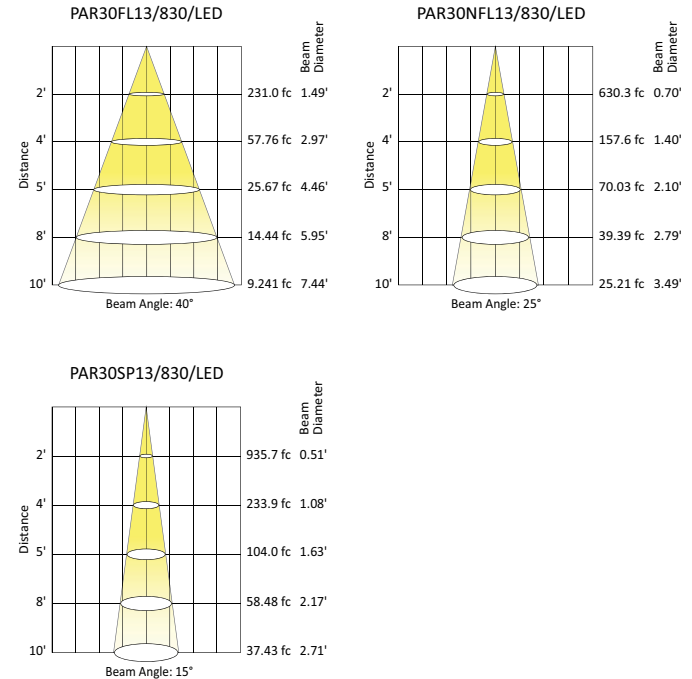
## Energy Savings Comparison



\*\* Maintenance costs based on 15 minutes to replace the lamp at \$40 per hr over the life of the ProLED lamp.

\* Energy costs based on \$0.11 kWh over 40,000 hour life.

## Photometrics



## Case Study: The Price of Fashion

A retail clothing boutique in Atlanta, Georgia was looking to upgrade their lighting system with a “green” solution. Their existing system consisted of 30 track lights and 10 downlights with 75W Halogen PAR lamps. The system operated 7 days a week at \$0.965 kWh for a total operating cost of approximately \$1,900 annually.

After evaluating and testing options, the owner selected ProLED 13W PAR30. The ProLED lamp offered immediate energy savings and comparable and quality light output with a long life for maintenance savings. The store retrofitted the 40 luminaires for an annual energy savings over \$1,500 - 83% savings with ProLED versus Halogen.



Project Details		
	Electricity Cost	\$0.965 kWh
	Annual Operating Hours	6570
	# Luminaires	40
Energy Analysis	Existing	Retrofit
Wattage Per Luminaire	75W	13W
Total System Wattage	3000W	520W
System kW	3	0.52
Annual System kW	19,710	3,416
Annual Energy Costs	\$1,902	\$330
Monthly Energy Costs	\$159	\$27
Annual Energy Savings		\$1,572 83%