

PAR46 LED Taxi / Turn-Off Light

A drop-in replacement for the 4551 quartz halogen lamp series

Hoffman Engineering's PAR46 LED light uses existing PAR46 lamp mounting and electrical connections, requiring no modification for installation.

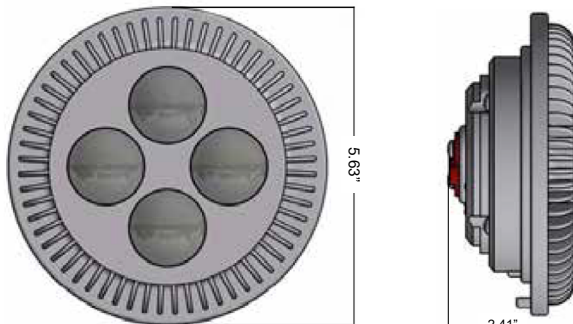
This light substantially reduces power consumption from 250 watts to 60 watts and boasts an equivalent lumen output at significantly lower operating current than the standard 4551 with an equivalent beam pattern.

Additionally, Hoffman's PAR46 LED offers an extremely long service life with multiple high powered LEDs. With these high color temperature LEDs, Hoffman's PAR46 LED Light provides superior visibility and color rendering. This solid-state solution is resistant to the effects of shock and vibration that can contribute to the reduced service life of the 4551 series lamp.

Benefits To You:

- 50,000 operating hours compared to 25 operating hours of existing lamps
- Significant return on investment
- >300% power saving
- 50,000 hours lifespan
- 42 Lumens / Watt

LED Technical Data



Part No 751-1018-001

CONSTRUCTION	
Housing	6061-T6 Aluminium
Finish	Anodized
Weight	1.8 lb (816g)
Diameter	5.75 inches
Lens	Proprietary

ELECTRICAL			
Voltage	Current	Lumens	Beam Spread
28 VAC/VDC	2.1A	2,500	45°H x 10°W

PERFORMANCE CATEGORY	HOFFMAN PAR46 LED	COMPARISON LAMP (GE 4551)
Life Span (Average)	50,000 Hrs	25 Hrs
Power Usage	60 Watts	220 Watts
Bulbs Required (50,000 Hrs)	1	2000
Light Output		
Efficacy (Lumens/Watt)	42 L/W (2500 L/60 W)	12 L/W (2628 L/220 W)
Lumen Maintenance	Minimal (10% decrease over life)	Significant (50% decrease after 30% of life)
Color Temperature	High Color Temperature: >4100K	Warm White: <2000K
Visual Acuity	Very high	Nominal
Durability		
Fragility	Extremely durable	Extremely fragile
Temperature Sensitivity	Impervious to thermal shock	Responds poorly to thermal shock
Humidity Sensitivity	None	Some (in high humidity)
On/Off Cycling Effect	No damage to surrounding structures	May damage surrounding structures
Lens	Military grade/shatterproof	Glass
Reliability		
Mechanical Failure	Maintenance-free	Requires managing inventories
Redundancy	Install once and forget it	Requires frequent inventories

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