

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.



Part No 751-1018-001

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

Contact your Boeing Distribution Services representative to find out more, or contact us at Customer.Questions@BoeingDistribution.com

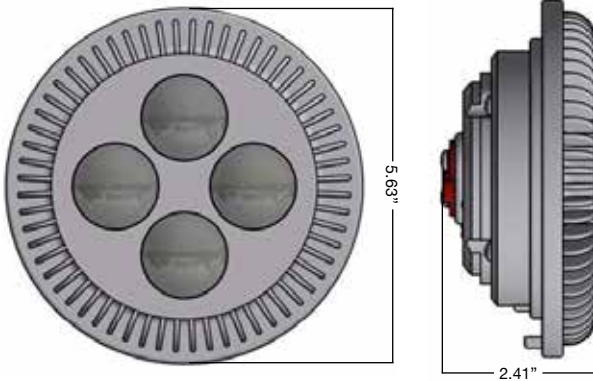


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LED Technical Data



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
Life Span (Average)	50,000 Hrs
Power Usage	60 Watts
Bulbs Required (50,000 Hrs)	1

COMPARISON LAMP (GE 4551)
25 Hrs
220 Watts
2000

Light Output	
Efficacy (Lumens/Watt)	42 L/W (2500 L/60 W)
Lumen Maintenance	Minimal (10% decrease over life)
Color Temperature	High Color Temperature: >4100K
Visual Acuity	Very high

12 L/W (2628 L/220 W)
Significant (50% decrease after 30% of life)
Warm White: <2000K
Nominal

Durability	
Fragility	Extremely durable
Temperature Sensitivity	Impervious to thermal shock
Humidity Sensitivity	None
On/Off Cycling Effect	No damage to surrounding structures
Lens	Military grade/shatterproof

Extremely fragile
Responds poorly to thermal shock
Some (in high humidity)
May damage surrounding structures
Glass

Reliability	
Mechanical Failure	Maintenance-free
Redundancy	Install once and forget it

Requires managing inventories
Requires frequent inventories

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