Innovative Trusted Solutions
HOFFMAN ENGINEERING

PAR64
LED LANDING LIGHT

PART NO
751-1004-001

>600% POWER SAVING | **50,000** HRS LIFESPAN | **60 L/W** LUMENS / WATT

Hoffman Engineering's PAR64 LED landing light is a drop-in replacement for the Q4559 quartz halogen lamp series.

Hoffman's LED Landing Light uses existing PAR64 lamp mounting and electrical connections, requiring no modifications for installation.

Hoffman's LED PAR64 **substantially** reduces power consumption from **600 watts to 90 watts** and boasts an equivalent lumen output at significantly lower operating current than the standard incandescent Q4559 with an equivalent beam pattern.

Additionally, Hoffman's PAR64 offers an extremely long service life with multiple high powered LEDs running independently of each other for redundancy. With these high color temperature LEDs, Hoffman's PAR64 LED Landing Light provides **superior visibility** and color rendering. Our solid-state solution is resistant to the effects of shock and vibration that contribute to the premature failure of the Q4559 series lamp.

50,000 operating hours compared to 100 operating hours of existing incandecents

Significant return on investment cost

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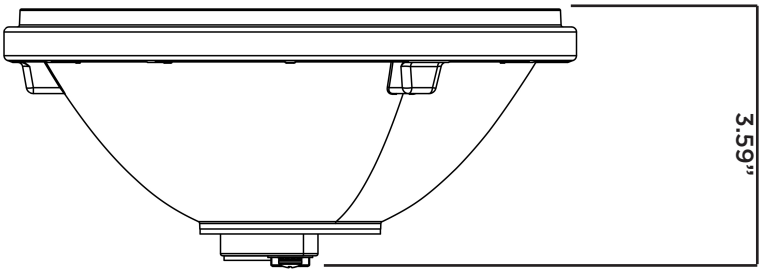

Construction	
Housing	6061-T6 Aluminium
Finish	Anodized Black
Weight	2 lb 7.2 oz (1111 g)
Lens	Proprietary

Electrical	VOLTAGE	CURRENT	LUMENS	BEAM SPREAD
	28 VAC / VDC	3.3A	5300	11.5° H x 12° W

Performance Category	Hoffman PAR64	Incandescent Bulb Comparison (GE Q4559X)
Life Span (Average)	50,000 Hrs	100 HRS
Power Usage	90 Watts	600 WATTS
Bulbs Required (50,000 Hrs)	1	500
LIGHT OUTPUT		
Efficacy (Lumens / Watt)	60 L / W (5300 L / 90 W)	9 L / W (5300 L / 600 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	None	Some (Thermal Shock)
Humidity Sensitivity	None	Some (In High Humidity)
On/Off Cycling Effect	None (PWM Typical Usage)	Some (Filament Fatigue)
RELIABILITY		
Mechanical Failure	Not Typical	Some
Redundancy	Yes (Multiple Redundant LED Segments)	None (Single Non-Redundant Filament)

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