



D & D ENTERPRISES, LLC.

A Division of Wright Aero Industries, Ltd.

PN: 727-1198/02

LED IR-Visible Landing & Search Light UPGRADE

Leonardo Electronics—an industry leader in design & production of innovative lighting, electro-mechanical systems, and controls for the most advanced military & commercial aircraft in the world.

KEY BENEFITS

1 NO DISSIPATION

LEDs use semiconductor technology instead of filament bulbs for a dual-mode solution that exceeds the performance limits of old-style lamps and halogen technology. LED is more reliable and reduces maintenance costs over time.

2 Switchable DUAL MODE Capability

A steerable helicopter light featuring both visible LED and covert InfraRed LED modes in a ready-to-use configuration. Instantly switch from visible mode to IR light without any additional setup for readiness, flexibility and safety for the crew.

3 Seamless DROP-IN REPLACEMENT

Fully compliant with standard helicopter search and landing light fixtures. *Installed in Minutes!*

Leonardo
PN: 727-1198/02
NSN 6230-01-653-9052

REPLACES

Honeywell/Grimes
PN: 45-0353-1
NSN 6230-01-556-7911
Sikorsky PN: 70553-01007-109



LEONARDO

US ARMY APPROVED

In partnership with D&D Enterprises, LLC., Leonardo Electronics introduces the latest in LED technology and the only US ARMY UH-60M approved LED IR-Visible Landing/ Search light available.

Standard equipment for all US ARMY UH-60M aircraft & MIL-L81 I74-2B & AED Compliant.



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D&D Enterprises, LLC – Leonardo’s Authorized Worldwide Sole Stocking Distributor of its LED IR-Visible Landing/Search Light, and a leading supplier in airframe and engine parts support for commercial & military operators around the world. D&D Enterprises offers:

- Available stock for immediate delivery
- Flexible & customizable fleet upgrade integration program management
- Comprehensive spares/repairs/exchange programs
- Buy-back options for old units
- On-site support with 24/7 response, in direct partnership with Leonardo Electronics

KEY FEATURES

- **Latest LED Technology** with dimming capabilities
- **Dual-Mode Capability:** instantly switch between Visible and Infrared (IR) modes
- **Drop-In Replacement** UH-60 and CH-146
- **Multiple Platform Applications** available

Technical Specifications

- Qualified and certified **IAW RTCA DO-160F** and **MIL-STD-810G** Requirements
- **MIL-L81174-2B & Fully AED Compliant**
- **Patents:** US8807803 B2, EP2450279 B1, CA2756971 A1
- **Custom I/O Interfacing** connector IAW

BENEFITS

Outperforms the competition and all previous models with **increased readiness, flexibility, & Safety**

- Improved optical clarity
- Reduced power consumption (10X less vs Legacy)
- Increased reliability (100X better vs Legacy)

Get the latest technology for the price of the legacy alternative

The only true IR/covert light—See without being seen

- Lesser alternative lights (including alternative LEDs) result in optic scatter when illuminated, destroying any IR/Covert operation from a wide angle +/- 90°, increasing exposure and consequential risk to both those in the air and on the ground.

COMPARISON

	Leonardo PN: 727-1198/02	Legacy Honeywell/Grimes PN: 45-0353-1
DIMENSIONS AND WEIGHT		
Size	Mil-L8117402B Compliant	Mil-L81174-2B Compliant
Weight	7.71lbs. (3.5 KG)	8 lbs. max (3.62 KG)
Transmission	Sealed Body	Open Gears
POWER CONSUMPTION		
Operating Voltage	28Vdc	28Vdc
Visible	47 Watts	500 Watts
IR	8 Watts	250 Watts
Bulb Life	> 10,000 hours	< 100 hours
Motors (Worst Case)	40 Watts	40 Watts
LIGHT OUTPUT		
Visible Light Output	> 250,000 cd 12° +/- 2°	200,000 cd 15° +/- 5°
Infrared Light Output	20 W/sr NRI 13° +/- 2°	3-4 W/sr NRI 30° +/- 5°
More than 5 lux of illumination at more that 200M in visible mode and more than 400M target		

MAXIMUM AIRSPEED	Leonardo
During Extension	150 Knots
When extended in a stationary position	165 Knots



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