



INSTALLATION MANUAL

HERCULES™ DROP-IN

TAXI or LANDING LIGHT

Replacement for Legacy Lights

AVEO/IM/041

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1. PRODUCT INFO

AveoEngineering introduces the exclusive next-generation Hercules™ Drop-In replacement for Legacy Lights.

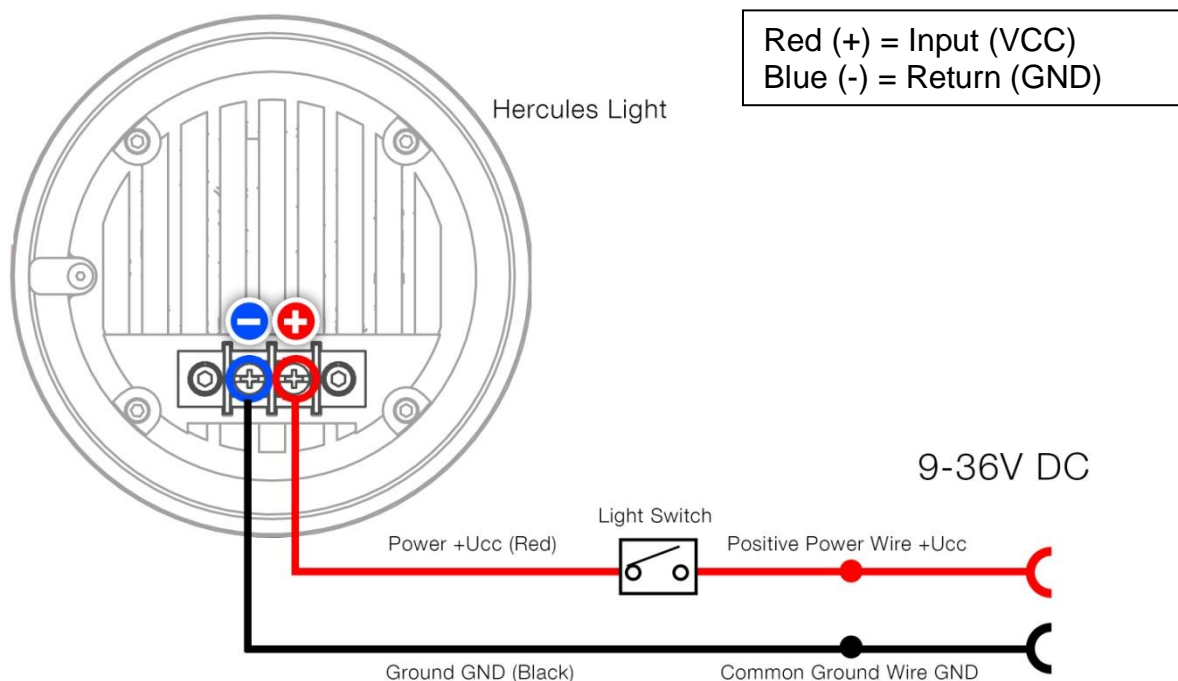
Environmentally Friendly

The Hercules Drop-In uses far less power than competitive products illuminated by mercury-arc, high intensity discharge, or halogen lamps, which means they help to reduce air pollution from carbon emissions. Mercury and Lead-free, this RoHS compliant environmentally - friendly technology helps reduce power consumption and the amount of hazardous waste entering the environment. Finally, a "green" aircraft light!

MAIN FEATURES:

- FAA Approved chromacity
- Highly optimized optics including Aveo RockyReflector™ System
- Aveo PowerOptimizer™ advanced LED power supply and controller
- ON/OFF function only

2. WIRING

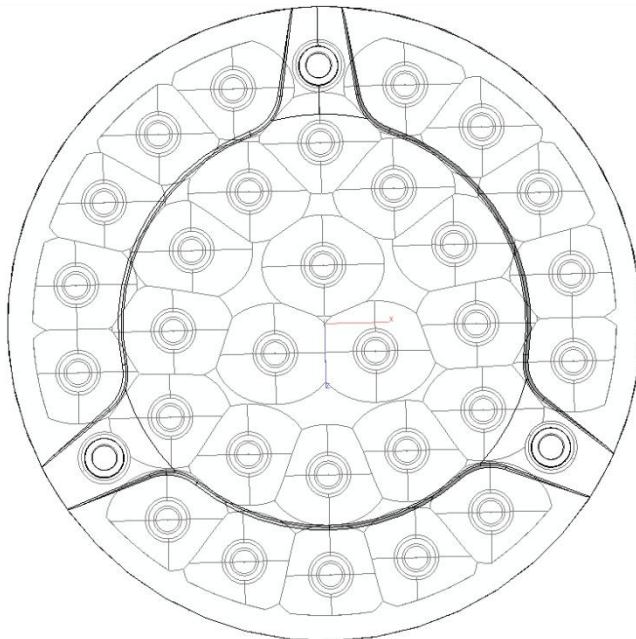


Recommended wire AWG size: **18**

3. TECHNICAL SPECIFICATION

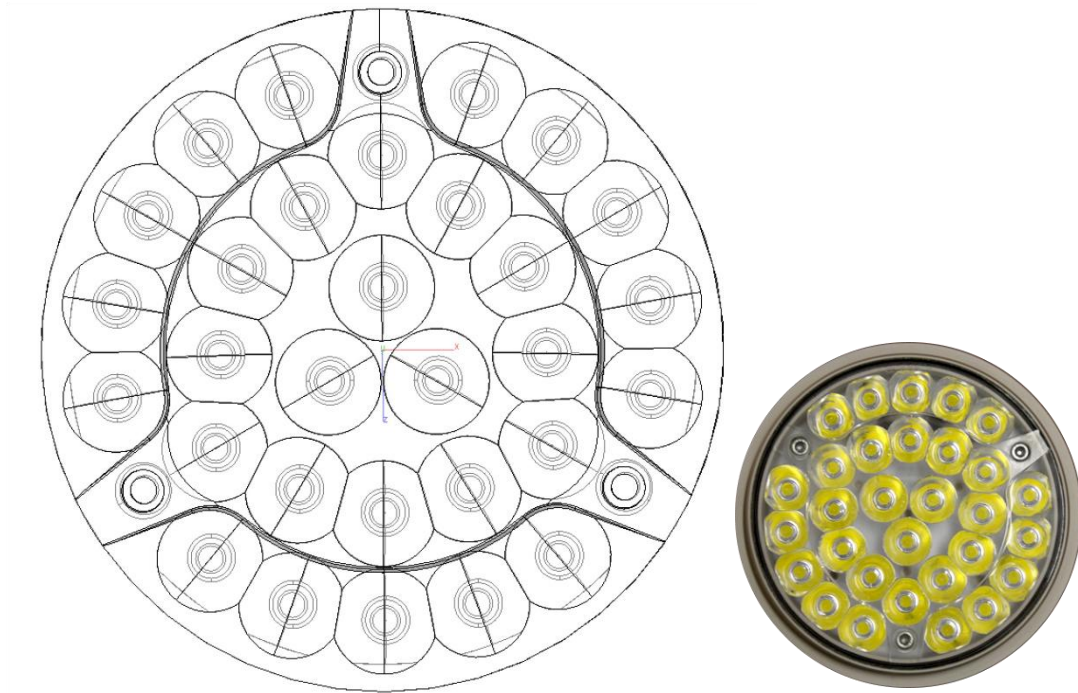
HERCULES DROP-IN H30

- | | |
|---|---|
| 1. Number of LED: | 30 |
| 2. Input voltage: | 9-36 V DC |
| 3. Input current: | 3.2A at 28V ±10% |
| 4. Output power: | 90W |
| 5. Transcend voltage: | 2 seconds +80V |
| 6. Under-voltage lockout: | 9 VDC, not more |
| 7. Over-voltage lockout: | 36 VDC, not less |
| 8. Ambient temperature: | from -40°C to +85°C (from -40°F to +185°F) |
| 9. Color and shade: | cool white, 5000K – White |
| 10. Lens: | |
| - Landing light version | 10° viewing angle
symmetrical beam |
| - Taxi light version | 40° viewing angle
asymmetrical beam |
| 11. Overheat protection, temperature dependent decrement intensity | |
| 12. Weight: | 510g / 1.124 lb |
| 13. Useful life: | not less than 30.000 aircraft flight hours |
| 14. Material: | a. Housing/Heatsink: Aluminum Alloy, natural anodizing
b. Lens: Clear PMMA |
| 15. P/N: | |
| - Hercules Drop-In Taxi | AVE-H30TATSNT-TOA |

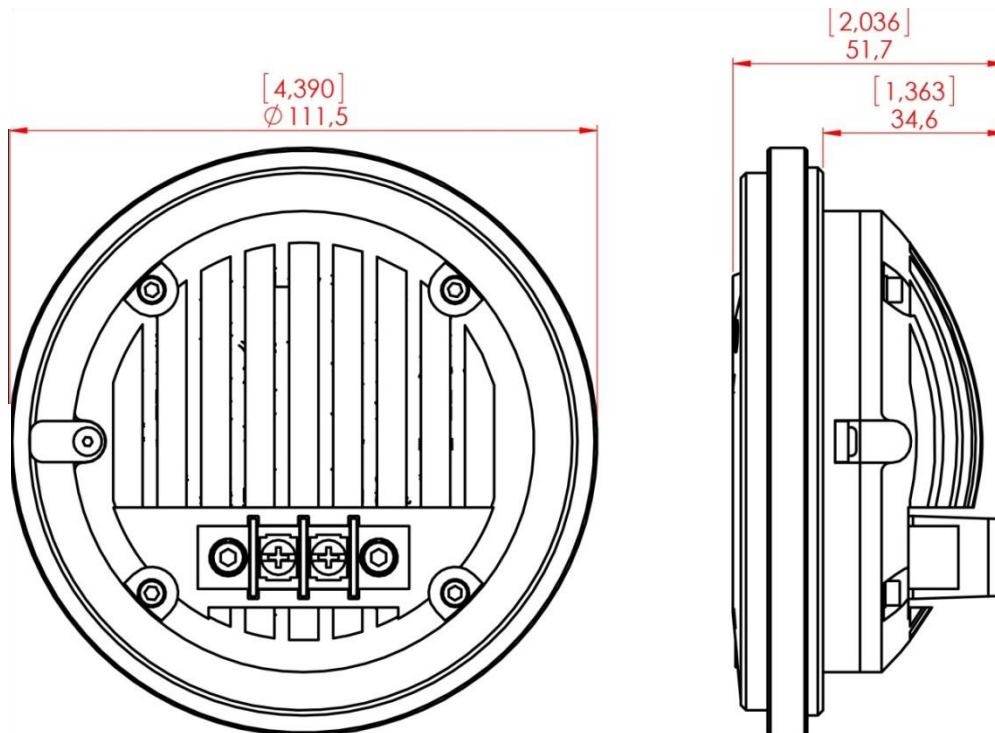


- Hercules Drop-In Landing

AVE-H30TATSNL-TOA

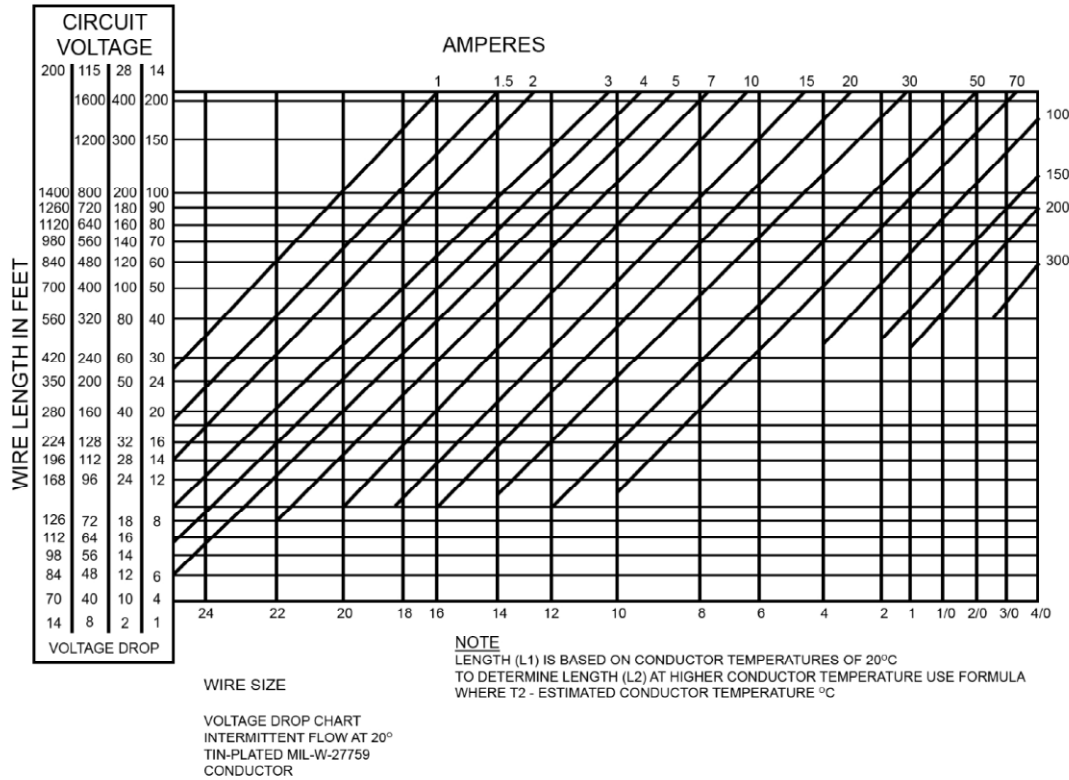


4. TECHNICAL DRAWING



*dimensions in mm [inches]

5. WIRING CHART



6. CARE AND CLEANING OF YOUR AVEO ENGINEERING AVIATION LIGHTS

When you receive your Aveo Engineering Aviation Lights, they will have been factory polished and ready to install on the aircraft..

If the lights require a deeper cleaning, they should be polished with a quality lamb’s wool sheet and can also be used for deeper polishing. Under no circumstances should any petroleum based product be used to clean the lights.

For continued UV protection Aveo Engineering offers Nanocloak™ UV Protectant Spray and Cleaner, available at any Aveo Engineering Authorized Installation Center.