

LED Cabin Lighting

LED Upwash/Downwash Lighting Systems

Cabin

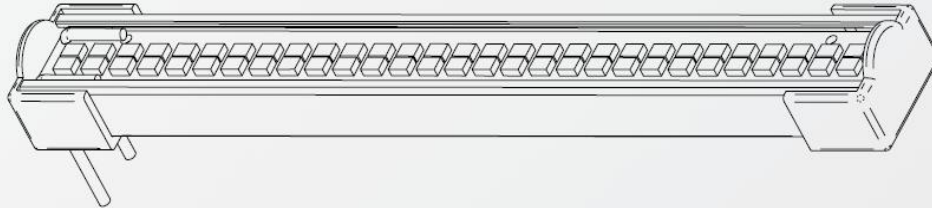


Upgrade your Upwash and Downwash lighting with rugged LED technology.

Traditional aircraft cabin lighting systems use cold cathode lighting elements, similar to those found in neon signs. While these systems were once leading edge, they now underperform in crucial areas like durability, efficiency and design flexibility. Our Upwash/Downwash lighting elements are based on rugged LED technology. These lightweight, low-voltage units deliver true color over a complete range of dimming. Our proven technology has been chosen by major airframe manufacturers to supply production contracts. If you're considering converting to LED, simply give our engineers the specifications of your cold-cathode lighting system and we can provide a complete LED-based cabin lighting solution that meets your needs. When it comes to lightening, the benefits of working with Heads Up are easy to see.

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Optical Characteristics

Luminance	43 lux*
Standard Color Temp	4500K
Color Temp Range	Contact Factory
Dimming Range	0 - Max Bright (Discrete)

Electrical

Nominal Input Voltage	28VDC
Input Current (Max Brightness)	0.27 Amp/Foot
Lighting elements per controller	50ft. Max
Standard Number of Dimming Steps	15
Max Number of Dimming Steps	256
Reverse Polarity Protection	Yes

Physical

Lighting Elements	
Maximum Length	36" (91.44cm)
Available Lengths (Single inch increments)	9" - 36" (22.86cm - 91.44cm)
Cross Section	.63"x.46" (1.6cmx1.17cm)
Weight	0.18 lbs/ft
Lighting Controller	1.3"x4.0"x5.5"; 0.53 lbs (3.30x10.16x13.97cm; 240 grams)

Environmental

Storage Temperature	-76°~185°F (-55°~85°C)
Operating Temperature	5°~158°F (-15°~70°C)

Testing/Certification	14 CFR Part 21
Hardware - Environmental	RTCA DO-160D

Specifications subject to change without notice.

Next Generation LEDs.

Not all LED solutions are created equal. At Heads Up, we work with leading LED manufacturers to bring you the latest LED technology, often before it is available in the general marketplace. Only the brightest, whitest, most efficient and coolest-running LEDs make the cut.

Rugged Design.

Our patented ThermoChannel™ design provides excellent mechanical stability and rigidity. That translates into simplified mounting and installation. These elements are built tough to make maintenance faster and easier. The integral heat sink provides excellent thermal management over all cabin temperatures.

Wide Range of Color Temperatures.

Heads Up can provide a wide range of color temperatures, from the warmest to the coolest-whites. We can even color match your samples of cold cathode lighting with enough colors to please the most discriminating interior designer.

Turn Key Solutions.

Give our engineers the specifications of your cold-cathode lighting system and we can provide a complete LED-based cabin lighting solution including lighting elements, mounting brackets, power supplies, and connectors. We can even provide accent and cabinet lights, all color corrected to your specifications. With Heads Up, converting to LED is easier than you may think.

Innovation Obsessed. Solution Driven.

Heads Up was formed for one purpose: To elevate the aviation experience for pilot and passenger by providing the most innovative cockpit, cabin and aviation electrical solutions in the industry. For information on this or any of our other products, or to discuss how Heads Up can help make your vision a reality, contact us today at info@heads-up.com or call 1.800.367.4770.

