



AEROLIGHT

FAILSAFE ELEVATED
UNSERVICEABILITY LIGHT



Welcome more pilots and passengers to your community with the Aerolight elevated unserviceability light – the Failsafe light that boosts the reliability, safety and accessibility of air travel for locals, businesses and emergency services.



PHOTOMETRY AND CHROMATICITY CERTIFICATION

Tested and certified in NATA laboratory for CASA MOS Part 139 and ICAO Annex 14.

FRANGIBILITY CERTIFICATION

Tested and certified in NATA laboratory for CASA MOS Part 139 and ICAO 9157 Part 6.

BRIGHTER, LONGER LASTING LIGHT

Operates 219% longer* – or a total of >300,000 hours for a higher ROI

INGRESS PROTECTION

Tight seal to prevent dust, moisture and rodents into the fitting.

SMOOTH GLASS LENS

Unlike ribbed shapes, the smooth glass won't build up dust and dirt. And the light stays bright because the lens won't become cloudy like plastic lenses.

FAILSAFE DESIGN

Prevent outages with a light that remains illuminated even if one LED fails.

TWIST TO LEVEL

Pivots up to 8° to accommodate the most uneven surfaces, more than any other light.

UNIVERSAL LENS

Reduce the cost of keeping spares with an interchangeable lens for any elevated light

LOW POWER CONSUMPTION

Save power and costs with a low powered LED arrangement.

LIGHTING PROTECTION

Line to line and line protection to survive surge events.

REDUCED CONDENSATE

Integrated condensate management to ensure lights stay bright.

LOCAL STOCK

Avoid long lead times with local Australian stock and spare parts.

MARINE GRADE OPTION

Available in marine grade for airports in salty environments.

*vs advertised leading Australian regional airfield lights. Testing on low intensity lights per IES LM70 test method

PERFORMANCE SPECIFICATIONS

Supply Current	6.6A – 350mA 6.6A – 650mA
Frequency	50Hz
Total Power Consumption¹	6W at Low Intensity 11W at Med Intensity
Power Factor	0.878
Power Supply	Series Isolation Transformer
Connection	L823 Style 6 plug
LED rated life²	300,000hrs at Low Intensity 191,400hrs at Med Intensity
Warranty	12 months

¹Calculated at 6.6A

²Tested per IES LM70 test method at high operating temperature, assuming ambient temperature of 55°C

MECHANICAL SPECIFICATIONS

Dimensions	262mmH
Weight	1.3kg
Mounting Options	Pit lid or concrete footing
Lens Connection	Stainless steel band clamp or colour coded silicone O-Grip.
Finish	Aluminum casting, powder coated in Y14, aviation yellow.
Optical	High impact LED inside smooth glass borosilicate glass lens

PACKAGING SPECIFICATIONS

Net weight	1.3kg
Gross weight	1.5kg
Carton size	150mmL x 150mmW x 280mmH

PHOTOMETRIC SPECIFICATIONS¹

Colour	Red	
Intensity	Low	Med
Max/Min Intensity Ratio	2.1cd	2.4cd
Average Intensity	77cd	114cd

¹Typical Measured values

CERTIFICATIONS

CASA Certification	CASR MOS Part 139 Photometry Clause 9.132(a)(b)(i)(ii) Table 9.75(2) Figure 9.75(1)(2) Chromaticity Clause 9.15, Table 9.15, Figure 9.15 Frangibility Clause 9.09.1(a)(ii)
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ICAO Compliance	ICAO Annex 14, Volume I Photometry clause 7.4.4 Chromaticity Clause 2.4.1, Figure A1-1b Frangibility 5.3.1.6 ICAO 9157 Aerodrome Design Manual Part 6 Frangibility Clause 3.3.1, 3.3.2, 4.9.1, 4.9.2
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Compliance	FAA EB67D surge protection
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ENVIRONMENTAL SPECIFICATIONS

Operating Temperature -10°C to 55°C

Operating Humidity 0 to 100%

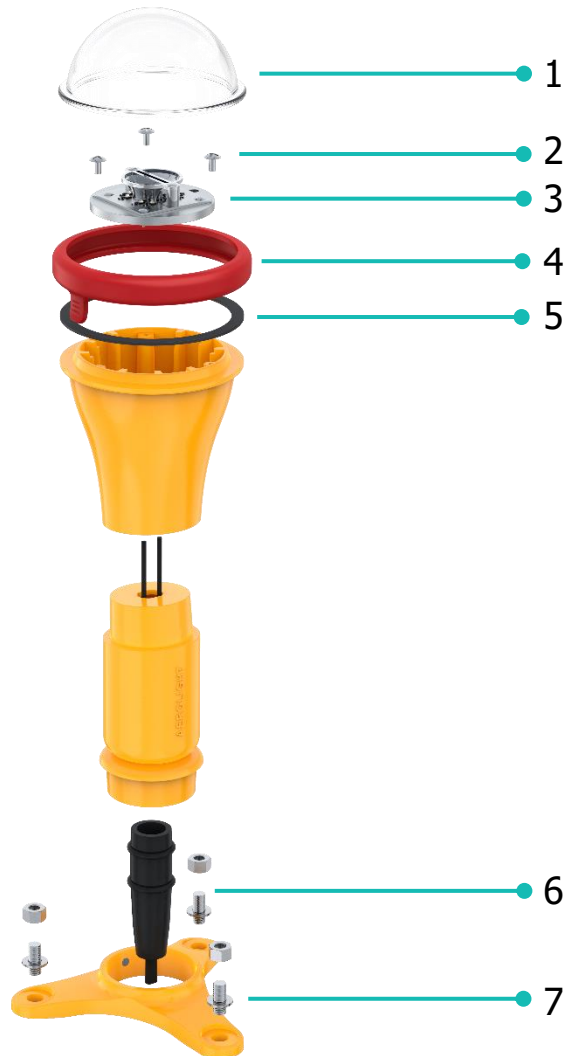
Ingress rating IP56

Percent Recyclable 99.2%



HOW TO ORDER

1. Email lee.furst@aerolightairports.com.au with your request **OR** Register for an account at <https://aerolightairports.com.au/register/>
2. Once your account is created, go to [FailSafe Unserviceability Light](#) select the options and quantities you require, and add them to your cart.



Item Description	Item Code
1. Universal Lens	ELV-LEN
2. Button head screw M4, 10mm	Commercial off the shelf (not included)
3. LED Assembly Omnidirectional Red	ELV-LED-ASS-R
4. O-Grip Omnidirectional Red	ELV-OGR-R
5. Gasket	ELV-GAS
6. Style 6 plug	CON-SEC-ST6
7. M10 Stainless steel bolt, nut, M10 Nylon Washer	Commercial off the shelf (not included)
Assembled Light	ELV-R
Assembled Light Marine Grade	ELV-MRN-R
Series Isolation Transformer	
Low Intensity	ELV-SIT-6.6-350
Medium Intensity	ELV-SIT-6.6-650
Alignment device	ELV-ALG