



# AEROLIGHT

ELEVATED TAXIWAY EDGE LIGHT



Welcome more pilots and passengers to your community with the Aerolight elevated taxiway light – to boost 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 27.5% longer\* – or a total of 76,500 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.



## MARINE GRADE OPTION

Available in marine grade for airports in salty environments.



## TWIST TO LEVEL

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



## UNIVERSAL LENS

Interchangeable lens for any elevated light – to reduce the cost of keeping spares.



## LOW POWER CONSUMPTION

Save power and costs with a low powered LED arrangement.



## LIGHTING PROTECTION

Line to line protection to survive surge events.



## REDUCED CONDENSATE

Integrated condensate management to ensure lights remain bright.



## LOCAL STOCK

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

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

## PERFORMANCE SPECIFICATIONS

<b>Supply Current</b>	6.6A – 350mA
<b>Frequency</b>	50Hz
<b>Total Power Consumption<sup>1</sup></b>	1W at Low Intensity
<b>Power Factor</b>	0.878
<b>Power Supply</b>	Series Isolation Transformer
<b>Connection</b>	L823 Style 6 plug
<b>LED rated life<sup>2</sup></b>	76,500hrs
<b>Warranty</b>	12 months

<sup>1</sup>Calculated at 6.6A

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

## MECHANICAL SPECIFICATIONS

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

## PACKAGING SPECIFICATIONS

<b>Net weight</b>	1.3kg
<b>Gross weight</b>	1.5kg
<b>Carton size</b>	150mmL x 150mmW x 280mmH

## PHOTOMETRIC SPECIFICATIONS<sup>1</sup>

<b>Colour</b>	Blue
<b>Intensity</b>	Low/Med
<b>Peak Intensity</b>	36cd

<sup>1</sup>Typical Measured values

## CERTIFICATIONS

<b>CASA Certification</b>	CASR MOS Part 139 Photometry Clause 9.93(1)(2)(3) Chromaticity Clause 9.15, Table 9.15, Figure 9.15 Frangibility Clause 9.09.1(a)(ii)
<b>ICAO Compliance</b>	ICAO Annex 14, Volume I Photometry clause 5.3.18.7, 5.3.18.8 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
<b>Compliance</b>	FAA EB67D surge protection

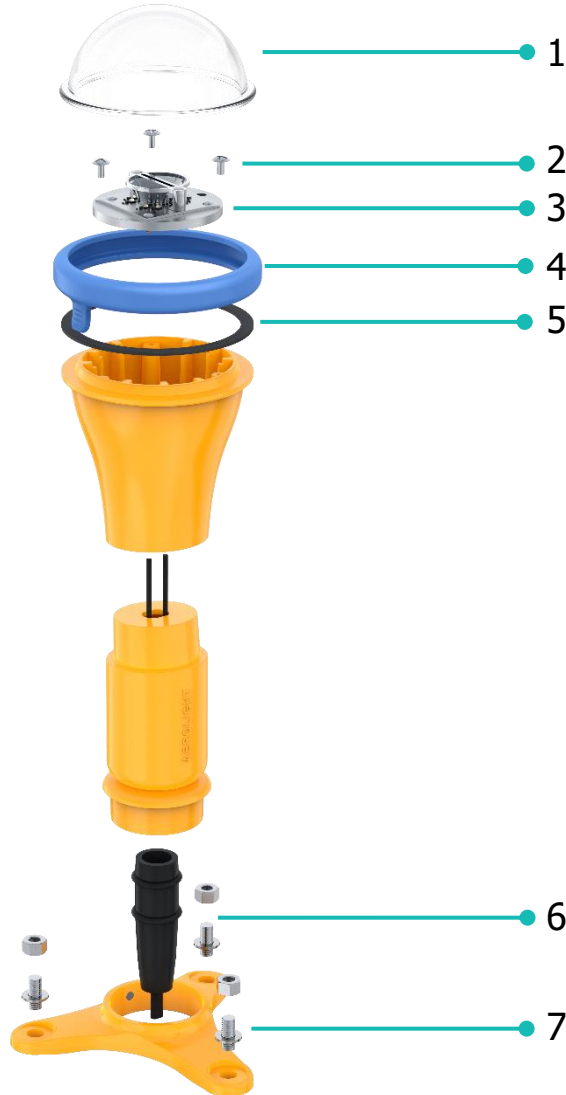
## ENVIRONMENTAL SPECIFICATIONS

<b>Operating Temperature</b>	-10°C to 55°C
<b>Operating Humidity</b>	0 to 100%
<b>Ingress rating</b>	IP56
<b>Percent Recyclable</b>	99.2%



## HOW TO ORDER

1. Email [lee.furst@aerolightairports.com.au](mailto: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 [Taxiway Edge 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 Blue	ELV-LED-ASS-B
4. O-Grip Omnidirectional Blue	ELV-OGR-B
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-B
Assembled Light Marine Grade	ELV-MRN-B
Series Isolation Transformer	
Low/Medium Intensity	ELV-SIT-6.6-350
Alignment device	ELV-ALG