



High  
Visibility  
LED



Rugged  
Aviation  
Grade



IP65+  
Weather  
Resistant



Low  
Maintenance



220 VAC  
Operation

### PRODUCT OVERVIEW

The CN11 Runway Edge Light is a high-performance LED fixture designed for runway edge identification, ensuring maximum visibility and safety for pilots in all weather conditions. Built to ICAO standards, it meets the most demanding aviation requirements.

### APPLICATIONS

- Runway edge lighting systems
- Private and regional airports
- Military airfields
- Temporary or remote airstrips
- Aviation training facilities



### TECHNICAL SPECIFICATIONS

#### ELECTRICAL

|                   |                                              |
|-------------------|----------------------------------------------|
| Input Voltage     | 220 VAC                                      |
| Frequency         | 50/60 Hz                                     |
| Power Consumption | < 10 W                                       |
| Power Factor      | > 0.95                                       |
| Surge Protection  | Integrated (recommended external protection) |

#### OPTICAL

|                     |                                           |
|---------------------|-------------------------------------------|
| Light Source        | High Intensity LED                        |
| Light Colour        | White (Standard)<br>Blue (Taxiway option) |
| Lens Type           | Prismatic Dome                            |
| Beam Distribution   | Omnidirectional                           |
| Intensity (White)   | Min. 10 cd                                |
| Vertical Divergence | 10°                                       |
| Horizontal Output   | 360°                                      |

#### MECHANICAL

|                    |                                           |
|--------------------|-------------------------------------------|
| Housing            | Aviation Grade Aluminium                  |
| Finish             | Powder Coated (Aviation Yellow)           |
| Mounting           | Base Plate with Multi-Hole Fixing pattern |
| Ingress Protection | IP65+                                     |
| Impact Resistance  | IK10                                      |
| Weight             | 1.25 kg                                   |

#### ENVIRONMENTAL

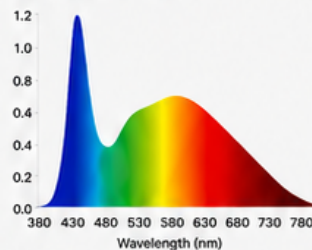
|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | -20°C to +55°C               |
| Humidity              | 0 - 100%                     |
| Corrosion Resistance  | Yes (Anti-corrosive Coating) |
| UV Resistance         | Yes                          |

### DATA SHEET (WHITE)

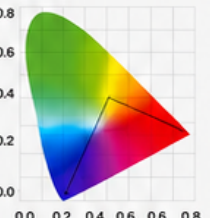
|                    |                                                           |
|--------------------|-----------------------------------------------------------|
| Product Code       | CN11                                                      |
| Light Colour       | White                                                     |
| Intensity Category | Medium Intensity                                          |
| Test Date          | 12/9/2024                                                 |
| Maximum Intensity  | ≥ 240 Candelas                                            |
| Directionality     | Omni Directional in the Horizontal Plane                  |
| Colour Temperature | 6500K                                                     |
| ICAO Specs         | Complies with ICAO specifications, Annex 14, section 5.53 |

### PHOTOMETRIC RESULTS (WHITE)

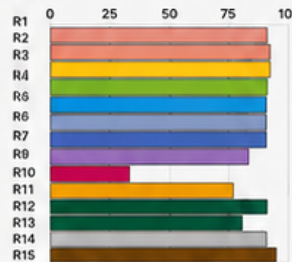
#### 2.1 Spectrometer Test Results



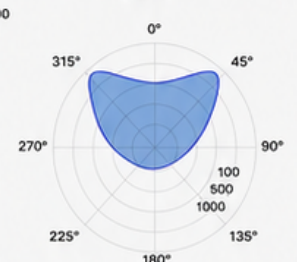
#### CIE 1931



#### CRI



#### 2.2 Intensity Plot - Vertical



Note: Values are minimums as per ICAO Annex 14. Actual performance may vary.

Unit: cd

### KEY FEATURES

- ✓ High visibility LED technology
- ✓ Reliable aviation grade construction
- ✓ Weatherproof and corrosion resistant
- ✓ Easy installation and maintenance
- ✓ Low power consumption
- ✓ 360° horizontal light output

### INSTALLATION NOTES

- Mount on flat surface using 4 x M8 bolts (not included).
- Ensure proper grounding for surge protection
- Align according to runway edge spacing requirements
- Use non-shrink grout for permanent installations



MADE IN  
SOUTH AFRICA

