



High
Visibility
LED



Rugged
Aviation
Grade



IP67+
Weather
Resistant



Low
Maintenance



220 VAC
Operation

PRODUCT OVERVIEW

The CN12 Runway Taxi Light is a high-performance LED fixture designed for taxiway 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

- Taxiway edge lighting systems
- Taxiway centerline lighting systems
- Apron and ramp areas
- Aircraft holding positions
- Runway exit taxiways



TECHNICAL SPECIFICATIONS

ELECTRICAL

Input Voltage	220 VAC
Frequency	50/60 Hz
Power Consumption	< 10 W
Power Factor	> 0.95
Surge Protection	Integrated (over-voltage and over-current)

OPTICAL

Light Source	High Intensity LED
Light Colour	Blue
Lens Type	Prismatic Dome
Beam Distribution	Omni-directional
Intensity (Blue)	Min. 10 cd
Vertical Divergence	10°
Horizontal Divergence	360°
Maximum Candela	500

MECHANICAL

Housing	Aviation Grade Aluminium
Finish	Powder Coated (Aviation Yellow)
Mounting	Base Plate with 4 x Ø13 mm fixing holes
Ingress Protection	IP67+
Impact Resistance	IK10
Weight	1.25 kg

ENVIRONMENTAL

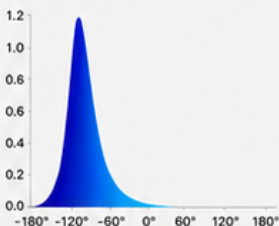
Operating Temperature	-20°C to +55°C
Humidity	0 – 100%
Corrosion Resistance	Yes (Anti-corrosive Coating)
UV Resistance	Yes

DATA SHEET (BLUE)

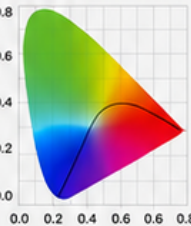
Product Code	CN12
Light Colour	Blue
Intensity Category	Medium Intensity
Test Date	13/09/2024
Maximum Intensity	≥ 244 Candelas
Directionality	Omni-Directional in the Horizontal Plane
Colour Temperature	–
ICAO Specs	Complies with ICAO specifications, Annex 14, section 5.3

PHOTOMETRIC RESULTS (BLUE)

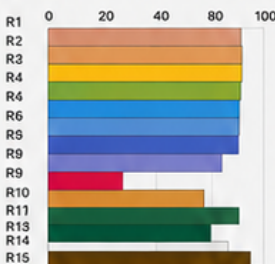
1. Isocandela Plot



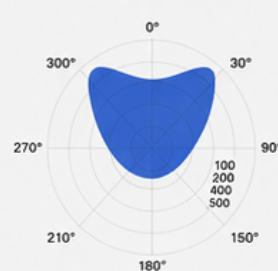
CIE 1931



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
- ✓ Robust aviation grade construction
- ✓ Weatherproof and corrosion resistant
- ✓ Easy installation and maintenance
- ✓ Low power consumption
- ✓ 360° horizontal light output

INSTALLATION NOTES

- Mount on level, drilled base on concrete slab using suitable anchoring (not included).
- Ensure proper grounding for surge protection.
- Align according to taxiway edge lighting requirements.
- Use non-shrink grout for permanent installations.



**MADE IN
SOUTH AFRICA**

