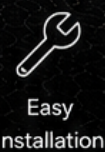
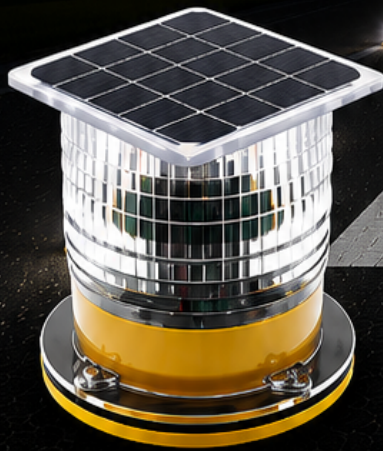


MEDIUM INTENSITY WHITE

Precision. Reliability. Aviation Grade.

Solar powered runway edge light designed for high performance, reliability and safety.

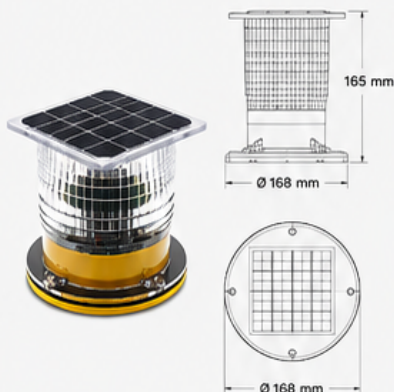


PRODUCT OVERVIEW

The CN14 Solar Runway Edge Light (White) is a medium intensity LED edge light designed to provide clear guidance for aircraft during takeoff, landing and taxi operations. Solar powered for cost-effective operation and easy installation. Built for durability and long service life in demanding environments.

APPLICATIONS

- Runway edge lighting
- Taxiway edge lighting
- Airfield perimeter lighting
- Helipad perimeter lighting
- Remote airstrip lighting



TECHNICAL SPECIFICATIONS

ELECTRICAL

Light Source	High Intensity LED
Light Colour	White
Intensity Category	Medium Intensity
Effective Intensity (White)	110 cd
Power Supply	Solar (Monocrystalline)
Battery Type	LiFePO ₄ , 3.2V / 6Ah
Autonomy	> 10 nights (12+ hours/night)
Charging Time	< 8 hours (sunlight)
Operating Mode	Dusk to Dawn (Auto)

OPTICAL

Vertical Divergence	10°
Horizontal Output	360°
Effective Intensity (White)	110 cd

MECHANICAL

Housing Material	UV Stabilized Polycarbonate
Base Material	Aluminium Alloy
Lens	Polycarbonate
Mounting	4 x Ø9 mm holes on base
Seal	Silicone Gasket
Weight	Approx. 1.2 kg

ENVIRONMENTAL

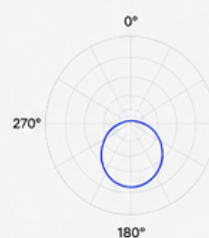
Ingress Protection	IP68
Operating Temperature	-40°C to +55°C
Wind Load	Up to 240 km/h
Humidity	0 to 100%
Shock Resistance	IK10

DATA SHEET (WHITE)

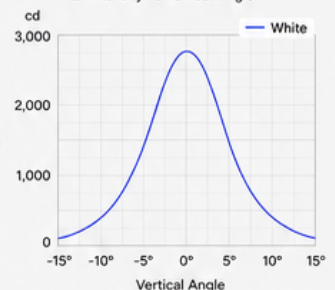
Product Code	CN14
Description	Solar Runway Edge Light
Light Colour	White
Intensity Category	Medium Intensity
Effective Intensity (White)	110 cd
LED Life	> 100,000 hours
Solar Panel	Monocrystalline Silicon
Battery	LiFePO ₄ , 3.2V / 6Ah
Autonomy	> 10 nights
Operating Mode	Dusk to Dawn (Auto)
IP Rating	IP68
Operating Temperature	-40°C to +55°C
Mounting	4 x Ø9 mm holes on base
Dimensions (Ø x H)	Ø 168 x 165 mm
Weight	Approx. 1.2 kg

PHOTOMETRIC PERFORMANCE (WHITE)

1. Polar Candela Distribution



2. Intensity vs Vertical Angle



Minimum effective intensity > 2,000 cd at 0° vertical angle (White)

KEY FEATURES

- ✓ Medium intensity white LED for clear guidance
- ✓ Solar powered with high efficiency panel
- ✓ LiFePO₄ battery for long life and safety
- ✓ IP68 waterproof and dustproof
- ✓ 360° horizontal light output
- ✓ Easy installation and maintenance
- ✓ Cost-effective with no wiring
- ✓ Built for extreme environments

INSTALLATION NOTES

- Mount on flat surface using 4 x M8 bolts (not included).
- Ensure surface is clean and level before installation.
- Avoid installation in shaded areas.
- Ensure solar panel faces upward and is clean.
- Do not install near strong light sources.



MADE IN SOUTH AFRICA

