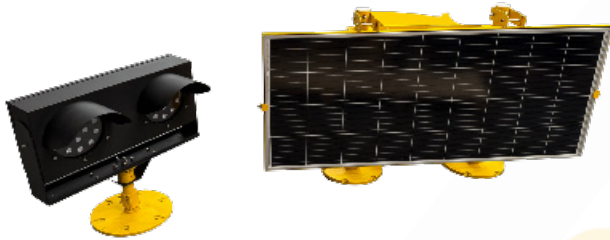


STM Solar Runway Guard Light

Order Code

STM.804.RGL.01(Y) - Yellow / ICAO - FAA

STM.804.RGL.02(R) - Red (Traffic Light - Holding Position Light)



STM - Solar Runway Guard Light

The STM.804 Elevated Runway Guard Light (RGL) is a high-performance LED aviation lighting solution that provides clear visual warnings at runway holding positions. Featuring two side-by-side unidirectional LED modules, it delivers alternating yellow (STM.804.RGL.01(Y)) or red (STM.804.RGL.02(R)) flashes at 45–50 per minute. Fully compliant with ICAO Annex 14, FAA L-804, IEC TS/EN 61827, and NATO STANAG 3316, the fixture ensures safe ground operations in demanding airfield environments.

Features

- High-efficiency LED technology with a service life of up to 60,000 hours and direct color emission from LEDs
- Alternating flash pattern delivering 45–50 flashes per minute for clear visual warning
- Precise optical adjustment — vertical from 0° to +20° (1° steps) and horizontal ±20° (5° steps) with secure locking
- Maintenance-friendly design — no optical realignment required after LED module or lens replacement
- Robust construction — corrosion-resistant aluminum body with IP65 protection rating
- Wide operating temperature range from -55°C to +55°C for reliable performance in extreme conditions
- Dual power compatibility — supports both 6.6A series circuit and 110/230V parallel circuit configurations
- Modular electronics — easily replaceable LED driver unit minimizes downtime during maintenance
- Optional monitoring & photocell available for enhanced operational control and energy management
- Solar-powered variant available — fully autonomous operation with integrated solar panel and battery system for off-grid installations

Built for long-term reliability, the STM.804 uses high-efficiency LEDs with up to 60,000 hours of service life. Its corrosion resistant aluminum body offers IP65 protection and operates from -55 °C to +55 °C. The unit provides precise vertical (0° to +20°) and horizontal (±20°) adjustments with secure locking, while its modular design enables quick maintenance without optical realignment. It is compatible with both series (6.6 A) and parallel (110/230 V) circuits, with optional monitoring and photocell functions available.

For off-grid or remote sites, the solar-powered STM.804 integrates a high-efficiency solar panel and battery system while maintaining full ICAO/FAA photometric performance. When paired with astronomical time relays such as the ASTRO series, the system automatically schedules operation based on local sunrise and sunset times, delivering energy-efficient, low maintenance runway guard lighting without external sensors or grid power.



Airfield Lighting Systems (UK) Ltd

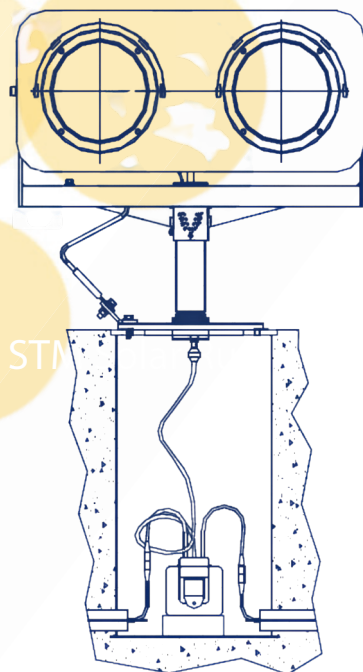
Aviation House, Russell Gardens, Wickford, Essex SS11 8BF
United Kingdom Tel +44 1702 547866
email sales@alsukltd.co.uk www.airfieldlightingsystems.com

ALS MENASA Trading FZCo

Address: JAFZA One Tower A - Floor 6 - Office 610 -
Mina Jebel Ali - Jebel Ali Freezone - Dubai -
United Arab Emirates Tel: +44 1702 547562 ex 218

STM Solar Runway Guard

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Packaging Details

Dimensions : 650mm(h) x 740mm(w) x 300mm
Net Weight : 23,5 Kg
Packaging : In cardboard Box 660mm x 750mm x 310mm

Compliance

ICAO : Annex 14 Volume 1
FAA : L-804(L) AC150/5345-46
IEC : TSE / EN 61827
NATO : STANAG 3316

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Solar Powered

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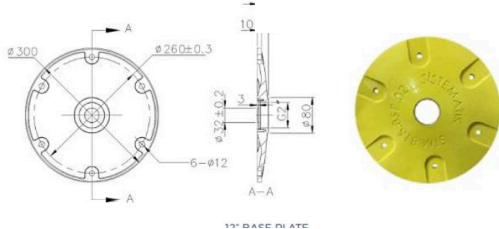


Installation Options

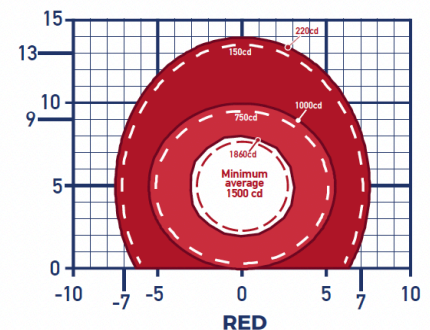
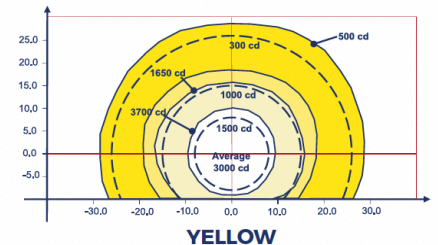
Photometric Performance

Base
Plate

750mm
Ground
Spike



Instead of the standard 12-inch base plate, a 168 mm base plate is used. The 168 mm base plate is mounted on a 750 mm ground spike.



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