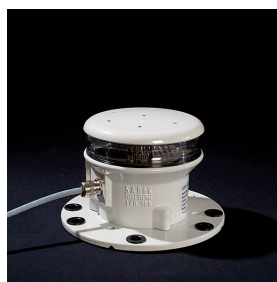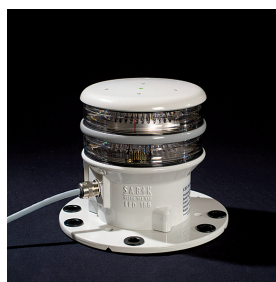# LED 155EX

Offshore lantern

LED 155EX is a LED lantern commonly used on offshore platforms. The lantern is maintenance free, compact and robust in design. LED 155EX is modular and can be delivered with up to 3 tiers.

LED 155EX is also available as a general purpose lantern for marking of obstacles. This version complies with ICAO Annex 14, Volume 1 and it can be configured with two different standard intensities depending on operational requirements.

- **Range up to 8 NM at Tc = 0.74 (12 NM at Tc = 0.85)**
- **ATEX category Zone 1 and Zone 2**
- **Standard IALA colours Red, Green, White and Yellow**
- **Rugged aluminium housing**
- **Extremely low power consumption, suitable for solar and battery operation**
- **Integrated flasher with a day light switch and an 8 Ampere solar panel charger**
- **Adjustable intensity and range**
- **Available with narrow (6°) or wide (10°) vertical divergence**
- **Cable synchronization between light units**

Simplex

Duplex

Triplex

Optical performance

Maximum fixed intensity, wide lens				
Simplex, 6 W	120 cd	180 cd	250 cd	100 cd
Duplex, 12 W	228 cd	342 cd	450 cd	190 cd
Triplex, 18 W	336 cd	504 cd	675 cd	280 cd

Bird spikes
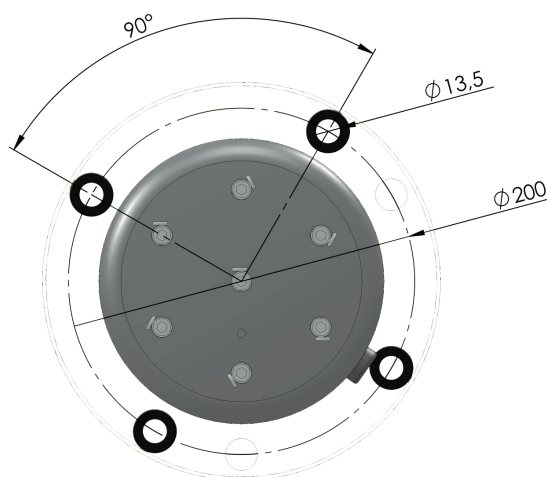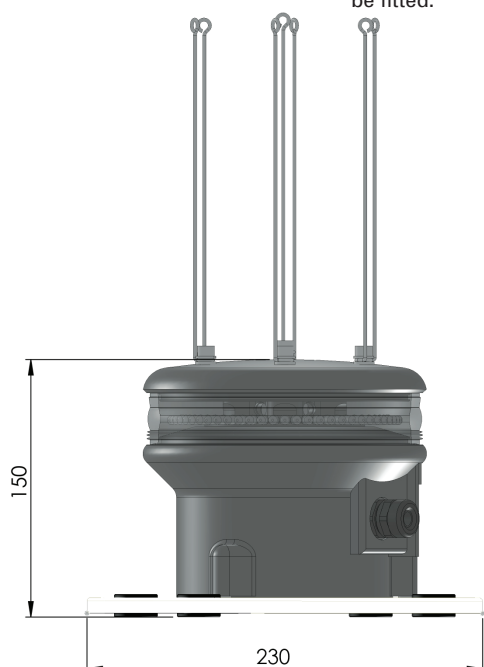Stainless steel as standard. Easy to replace. Special spikes for protection against cormorants on request.

Additional cable entry
Equipped as standard with two cable entries. If the second entry is needed e.g. for cable sync or for a solar module a standard M20 cable gland can be fitted.

Grounding plug
The base plate has a grounding plug as standard to enable good protection for electromagnetic interference.

Main Technical Specification

Lens visual/Mechanical diameter	160 mm
Lens material	UV stabilized Polycarbonate
Light source	Light Emitting Diodes (LEDs)
Vertical divergence	6° @ 50% (±1°) or 10° @ 50% (± 1°) of peak intensity
Unit lifetime	Up to 10 years
Weight	3,9 kg for single tier unit
Controller	Sabik LED flasher
Degree of protection	IP 66
Temperature range	-40°…+60°C
Supply Voltage	9 – 28 VDC
Solar Panel Charger	8 ampere charger
Power consumption	6 watts / tier
Ex Zones	Zone 1 and Zone 2 indoor and outdoor
Ex approval	Eex emb op is II T4
Certificates	VTT 04 ATEX 016X

Product codes

LED 155EX wide lens	Colour
LED 155EX WW	white
LED 155EX WR	red
LED 155EX WG	green
LED 155EX WY	yellow

LED 155EX Aviation	Colour	Intensity
LEDA 155.10EX Type A	red	fixed 10 cd
LEDA 155.32EX Type B	red	fixed 32 cd