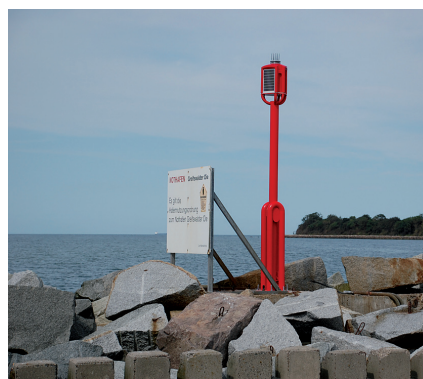


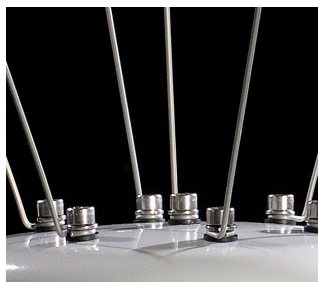
## SC 155 I

### Self-contained LED lantern for buoys and minor beacons

SC 155 is a self-contained LED lantern for fixed and floating structures. The lantern is a complete package including solar panels, battery and charge controller. The lantern is designed for harsh marine environments and for long uninterrupted operation.

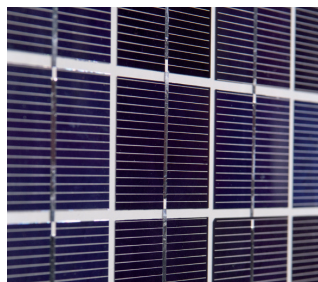
- Range up to 7 NM ( $T_c=0,74$ )  
10 NM ( $T_c=0,85$ ) depending on geographical location
- Standard IALA colours Red, Green, White, Yellow
- Light module of rugged aluminium housing and body of UV resistant polyethylene
- Integrated flasher with day-light switch and solar charger
- Standard VRLA battery
- Ventilated battery compartment
- Solar modules with tempered glass in front
- Adjustable intensity and range
- Available with narrow ( $6^\circ$ ) or wide ( $10^\circ$ ) vertical divergence
- Programming with a wireless Sabik Easy Programmer, PDA Programmer or with PC/USB interface
- Integrated event log for 365 days
- Optionally integrated GPS synchronization
- Optionally integrated GSM Remote monitoring
- Optionally Auxiliary connector for external charger or external Solar Module
- Optionally available tamper proof serial number





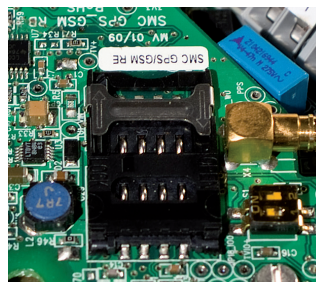
#### Bird spikes

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



#### Solar Modules

Solar modules with tempered  
glass front well integrated with  
the PE-housing.



#### GSM

GSM unit and antenna  
integrated in the lantern for  
remote monitoring and control.  
For more information please  
see the LightGuard Section.



#### Auxiliary connector

(Optionally) Auxiliary connector  
enables external charging or  
additional solar modules.



#### VRLA Battery

Maintenance free Lead acid  
battery with a designed  
lifetime of 7 years.



#### Sabik Easy Programmer

User friendly and compact  
wireless two way programmer.



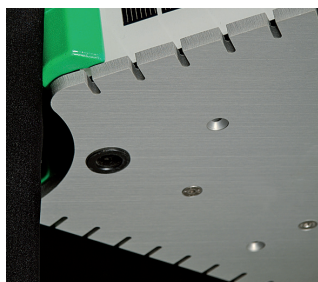
#### PDA Programmer

Wireless two-way communication  
using a Windows based PDA with  
infrared port. Flash code, range  
and photocell switch level etc. can  
be set. The Programmer can also  
retrieve the event log.



#### Programming with PC

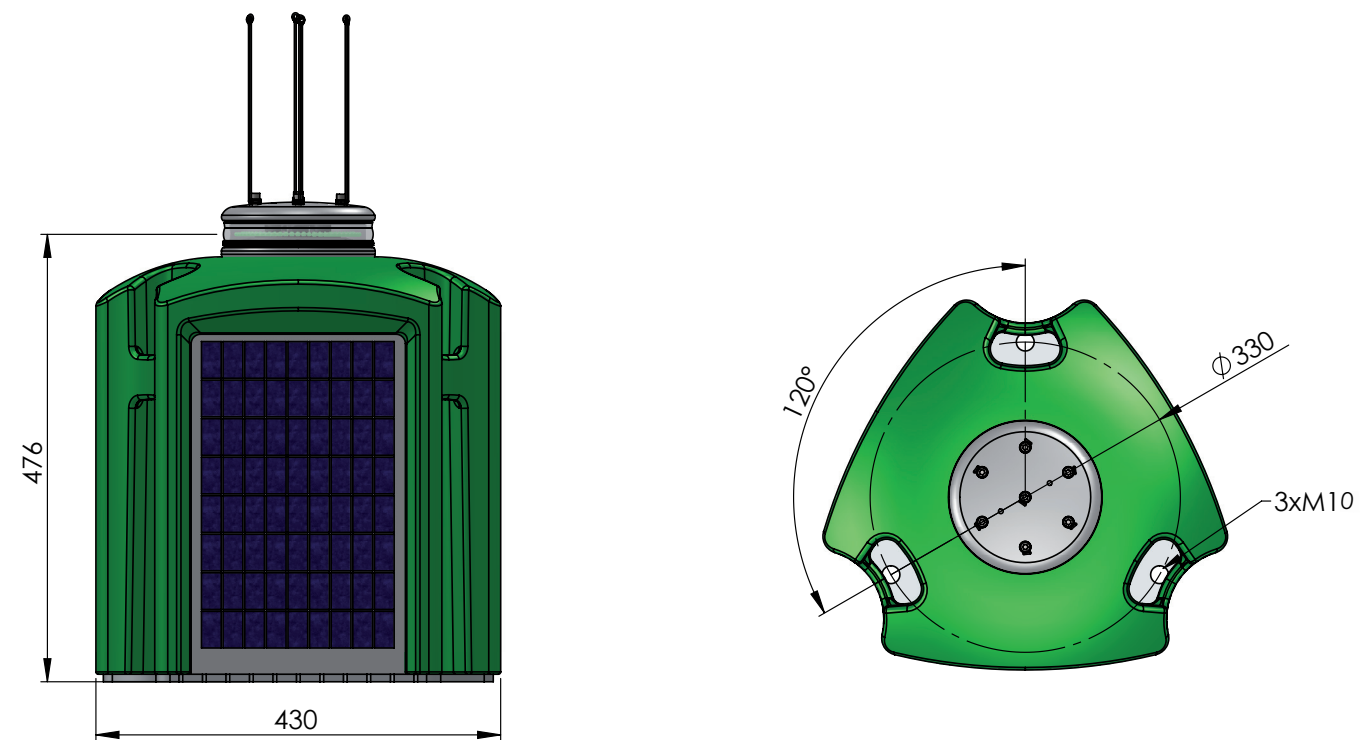
Using Sabik USB interface.



#### Installation

The bottom plate of the  
SC 155 I supports installation  
on structures with 3 x M10  
bolts on a 330 mm diameter.

Technical Specification SC 155 I



Optical performance

Maximum fixed intensity, narrow lens (fixed structures)				
Simplex, 6 W	140 cd	270 cd	420 cd	200 cd
Maximum fixed intensity, wide lens (floating structures)				
Simplex, 6 W	120 cd	180 cd	250 cd	100 cd

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°) and 10° @ 10% (±2°) of peak intensity
Solar modules	3 x 9 W
Battery	VRLA GEL-Type, 32Ah/12V
Weight	24 Kg
Overall height	476 mm
Overall width	430 mm dia.
Installation	3 x M10 on 330 mm dia.

## Order Overview SC 155 I

### Option matrix

OPT 1: Optical Feedback System	Integrated LED performance measurement
OPT 4: GPS sync	Integrated GPS sync including GPS antenna
OPT 7: External GPS	External GPS antenna
OPT 9: LightGuard GSM + GPS	Integrated GSM based monitoring including GSM/GPS antennas
OPT 10: LightGuard GSM	Integrated GSM based monitoring including GSM antenna
OPT 11: Control card	Control card for secondary battery
OPT 12: Aux card with I/O	Aux card including I/O ports
OPT 13: Aux card with RS485 and I/O	Aux card including RS 485 and I/O port
Shock & Tilt Sensor	Integrated 3-axis G sensor for tilt and shock sensing

N = Narrow (6° @ 50 % of peak intensity)		W = Wide (10° @ 50 % of peak intensity)	
Red	SC 155-1NVR	Red	SC 155-1WVR
Yellow	SC 155-1NVY	Yellow	SC 155-1WVY
Green	SC 155-1NVG	Green	SC 155-1WVG
White	SC 155-1NVW	White	SC 155-1WVW

Example: SC 155-1WWOPT10

- SC 155-1WW is the code for SC 155 I with wide lens in white
- with selection of option 10 GSM based monitoring