

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 complete including solar panels, battery and charge controller. The lantern is designed for harsh marine environment and for long uninterrupted operation.

- **Range 6 nm (Tc=0,74)
8 nm (Tc=0,85)**
- **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 wide (10°) 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**



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.



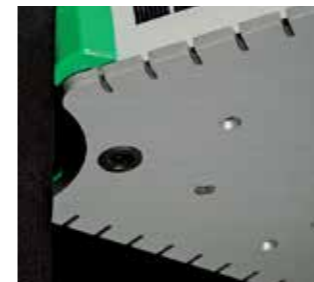
Sabik Easy Programmer
User friendly and compact wireless two way programmer.



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. With the Programmer also the event log can be retrieved.

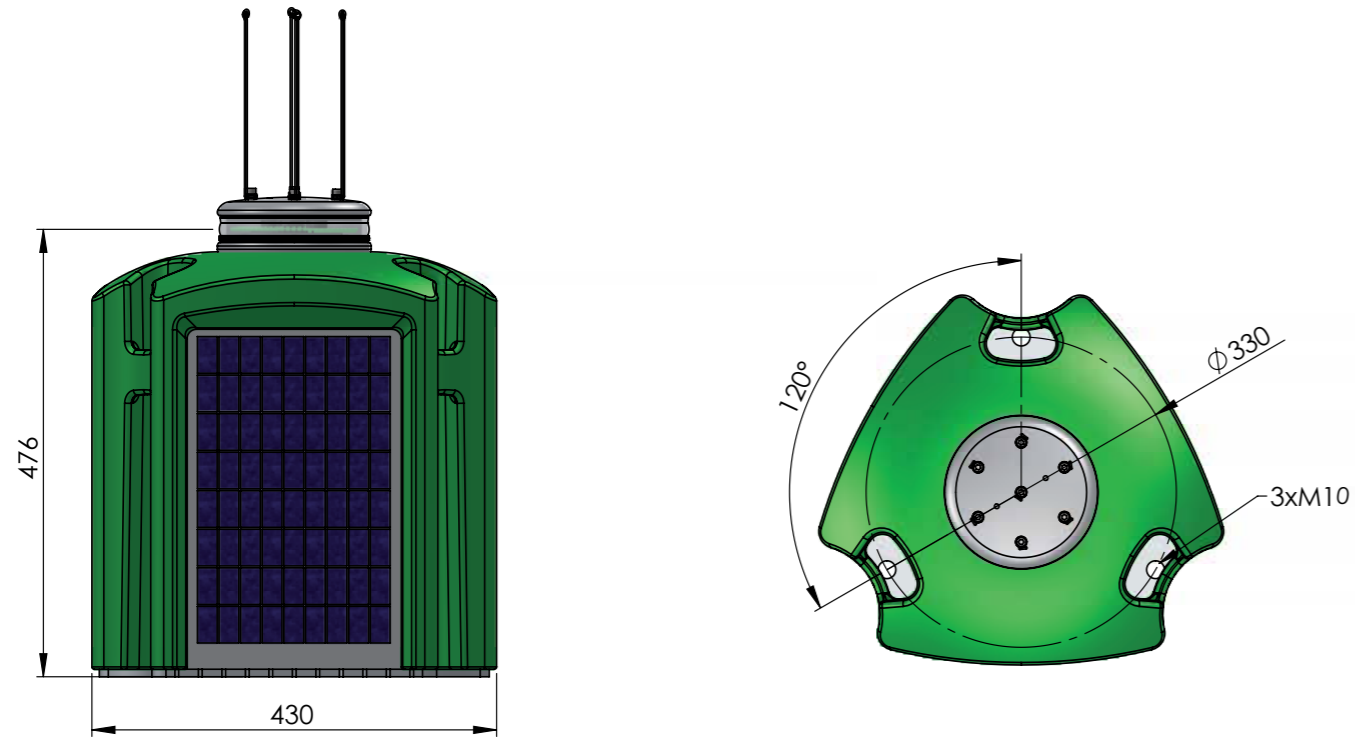


Programming with PC
Using Sabik USB interface.



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

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	10° @ 50% (±1°) of peak intensity
Solar modules	3 x 8 W
Battery	VRLA GEL-Type, 32Ah/12V
Weight	24 Kg
Overall height	615 mm
Overall width	510 mm dia.
Installation	3 x M10 on 330 mm dia.

Order Overview SC 155 I

Option matrix

Aux. Connector	Auxiliary connector for external charger
LightGuard GSM	Integrated GSM based monitoring with GSM antenna
LightGuard GSM + GPS	Integrated GSM based monitoring with GSM/GPS antennas
GPS sync	Integrated GPS sync only unit with GPS antenna in lantern top

SC155 I with VRLA Battery

Red	SC155-1VR
Green	SC155-1VG
Yellow	SC155-1VY
White	SC155-1VW

Enclosure Color (if not indicated enclosure will follow the light color)	Additional Options
RD = Red	AUX = Auxiliary Connector of external charger etc.
GN = Green	GPS = Integrated GPS for synchronization and position monitoring.
YL = Yellow	GSM = Integrated LightGuard GSM
GY = Gray	
BK = Black	

Example: SC155-1VW-BK-GPS-GSM

- **SC155-2VW** is the code for SC155 I with VRLA battery and White light color
- **W** is the code for a wide lens
- **BK** is the code for a black enclosure
- **GPS** and **GSM** indicate that GPS and LightGuard GSM should be integrated