

SC 160 II

Self-contained LED lantern for buoys and beacons

SC 160 II is a self-contained LED lantern with best in class optical performance for fixed and floating structures with longer range. The lantern includes solar panels, battery and charge controller. This lantern is designed for harsh marine environments and for long uninterrupted operation.

- Range up to 10 NM (Tc=0,74)
 14 NM (Tc=0,85) depending on geographical location
- Standard IALA colours Red, Green, White, Yellow
- Lantern made of rugged injection moulded aluminium housing and body of UV resistant polyethylene
- Integrated flasher with day-light switch and solar charger
- Standard VRLA battery and ventilated battery compartment
- · Adjustable intensity and range
- Available with narrow (5°) or wide (10°) vertical divergence
- Programmable with Bluetooth Control mobile app up to 50 m radius
- Other wireless programming options available such as Sabik Easy Programmer or PC/USB interface
- Integrated event log for 365 days
- Optionally integrated GPS synchronization and GSM Remote monitoring
- Auxiliary connector for external charger or external solar module
- Available with AIS option











Bird spike
Bird spike with thread to be
installed in the center of the
lantern top.



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



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



Auxiliary connector
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.



Bluetooth® Control
Lantern can be programmed
and battery status checked up
to 50 meters distance with an
app for android 4.4. or above
and for iOS.



Programming with PCUsing Sabik USB interface.



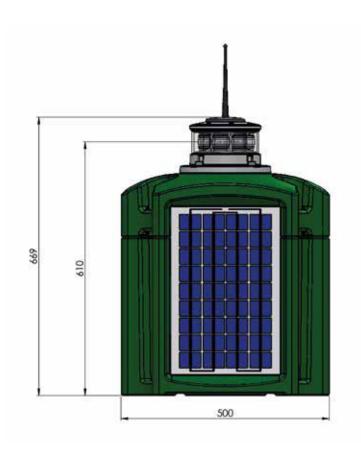
Installation
Mounting holes with
metal inserts.

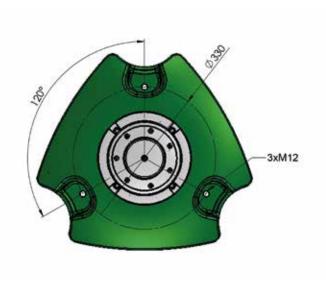


AIS Option
Lantern can be equipped with integrated AIS transponder type 1 or type 3



Technical Specification SC 160 II





Optical Performance

	1150 cd	1200 cd	1000 cd	1850 cc
Power consumption	13 W	16 W	16 W	16 W
Maximum fixed inten	sity SC 160 IIW	(10° @ 50% peak	intensity)	
Maximum fixed inten	sity SC 160 IIW	(10° @ 50% peak	intensity) 620 cd	1100 cd



Main Technical Specification

Lens visual/Mechanical diameter	160 mm		
Lens material	UV stabilized acrylic		
Light source	High Power Light Emitting Diodes (LEDs) 5°@50% of peak intensity (FWHM) 10°@50% of peak intensity (FWHM)		
Vertical divergence			
Solar modules	3 x 11 W		
Battery	VRLA GEL-Type, 60Ah/12V 35 Kg		
Weight			
Overall height	669 mm		
Overall width	500 mm dia.		
Power consumption	13W - 16W		
Installation	3 x M12 on 330 mm dia.		

Order Overview SC 160 II

Option matrix

Optical feedback OPT 1L	Integrated LED performance measurement
GPS sync OPT 4L	Integrated GPS sync including GPS antenna
LightGuard GSM + GPS OPT 9L	Integrated GSM/GPS based monitoring including GSM/GPS antennas
BBattery control card OPT 11L	Control card for secondary (emergency) battery
Automatic Identification System OPT AIS	OPT AIS 1: Lantern with integrated AIS type 1 OPT AIS 3: Lantern with integrated AIS type 3 Refer page 140

SC160 II with VRLA Battery						
N = Narrow (5° @ 50 % peak intensity)		W = Wide (10° @ 50 % peak intensity)				
Red	SC160-2NVR	Red	SC160-2WVR			
Yellow	SC160-2NVY	Yellow	SC160-2WVY			
Green	SC160-2NVG	Green	SC160-2WVG			
White	SC160-2NVW	White	SC160-2WVW			

Example: SC160-2WVR.4

- SC160-2WVR is the code for SC160 II with VRLA battery and wide lens in red
- 4 is a selection of option 4L GPS sync including GPS antenna