

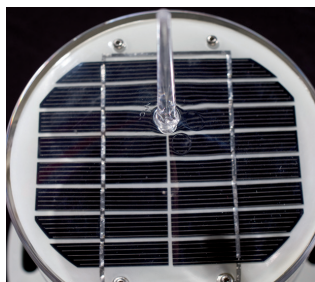
SC 110

Marine self-contained
LED light for buoys,
beacons, marinas and
aquaculture farms

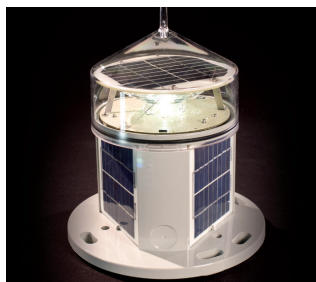
SC 110 is a durable short range LED lantern built from polycarbonate and including an integrated solar power system. This lantern is either delivered with Lithium-ion or Nickel metal hydride battery. It has more than 6 years lifetime. The lantern is available in 2 and 3 NM versions.

- Range up to 4 NM ($T_c = 0.74$)
4,5 NM ($T_c = 0.85$)
- Standard IALA colours Red, Green, White, Yellow
- Produced of durable polycarbonate plastic
- Available with Lithium-ion (LiFePO₄) or NiMH batteries
- Internal calendar, light can be switched off for winter
- Adjustable intensity and range
- Vertical divergence $8^\circ @ 50\% (\pm 1^\circ)$ of peak intensity
- Programming with a wireless Sabik Easy Programmer, PDA Programmer or with PC/USB interface
- Integrated event log (Black box function) for 365 days
- The lantern is delivered in sleep mode. It automatically wakes up when unpacked and light is detected
- Optionally integrated GPS synchronization
- Optionally integrated GSM remote monitoring





Lens
Bird deterred top design.



Solar panels
Optionally 1(2nm) or 4 (3nm)
solar panels.



Battery
Optionally NiMH or
LiFePO₄ batteries.



PDA Programmer
Wireless two-way
communication using a Windows
based PDA programmer.



Programming with PC
Using Sabik USB interface.



Storage charging
With external charger.



Installation
The bottom plate of the
SC 110 supports installation on
structure using 3 or 4 x M12 on
a 200 mm diameter or 3 x M8
on a 150 mm diameter.



PTFE breathing
Vent for pressure release in the
bottom of the product.



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



White



Red

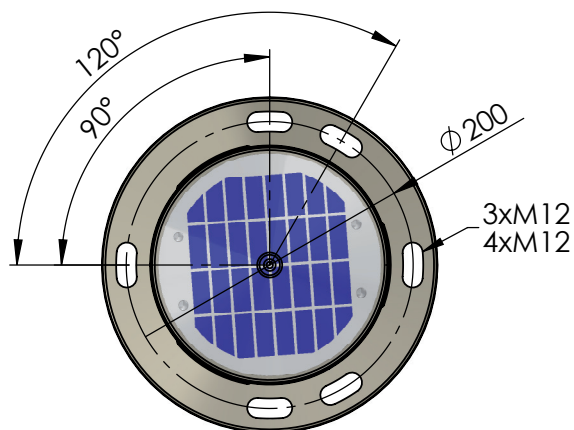
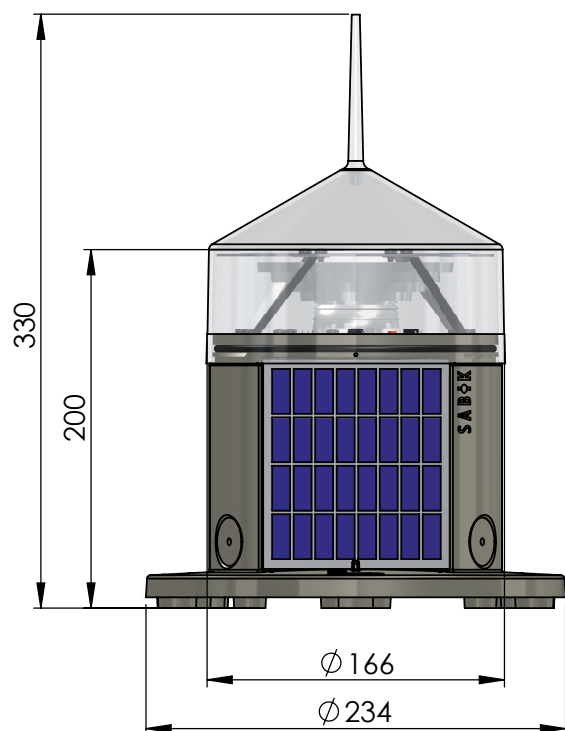


Green



Yellow

Technical Specification SC 110



Optical performance

Maximum fixed intensity

SC 110 max 4 NM	40 cd	40 cd	50 cd	45 cd
-----------------	-------	-------	-------	-------

Main Technical Specification

	up to 3 Nautical miles	up to 4 Nautical miles
Lens visual/Mechanical diameter	166 mm	
Lens material	UV stabilized Polycarbonate	
Light source	High Power Light Emitting Diode (LED)	
Vertical divergence	8° @ 50% (±1°) of peak intensity	
Unit lifetime	Up to 10 years	
Weight	2,5 kg	4,2 kg
Controller	Sabik SMC flasher	
Temperature range	-40°...+60°C	
Degree of protection	IP 67	
Battery Voltage NiMH	6,0 VDC	
Battery Voltage LiFePO ₄	6,4 VDC	
Battery capacity NiMH	8,6 Ah	26 Ah
Battery capacity LiFePO ₄	7,5 Ah	22,5 Ah
Solar power	1,5W	4,5W

Order Overview SC 110

Option matrix

OPT 1S: Optical Feedback System	Integrated LED performance measurement
OPT 4S: GPS sync	Integrated GPS sync including GPS antenna
OPT 9S: LightGuard GSM + GPS	Integrated GSM based monitoring with GSM/GPS antennas
Shock & Tilt Sensor	Integrated 3-axis G sensor for tilt and shock sensing

Product codes

SCN 110 up to 3 NM self-contained with NiMH battery	SCL 110 up to 3 NM self-contained with LiFePO4 battery	Colour
SCN 110.2 WW	SCL 110.2 WW	white
SCN 110.2 WR	SCL 110.2 WR	red
SCN 110.2 WG	SCL 110.2 WG	green
SCN 110.2 WY	SCL 110.2 WY	yellow
SCN 110 up to 4 NM self-contained with NiMH battery	SCL 110 up to 4 NM self-contained with LiFePO4 battery	Colour
SCN 110.3 WW	SCL 110.3 WW	white
SCN 110.3 WR	SCL 110.3 WR	red
SCN 110.3 WG	SCL 110.3 WG	green
SCN 110.3 WY	SCL 110.3 WY	yellow