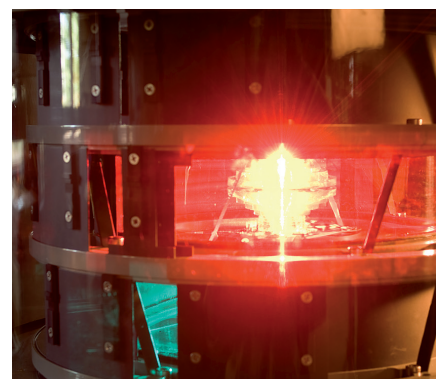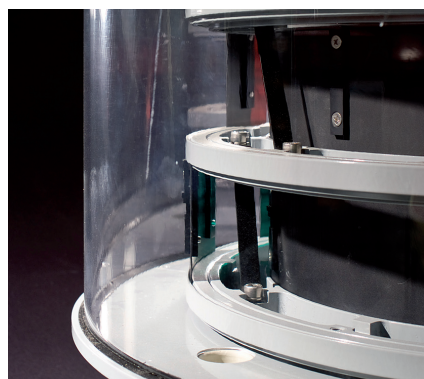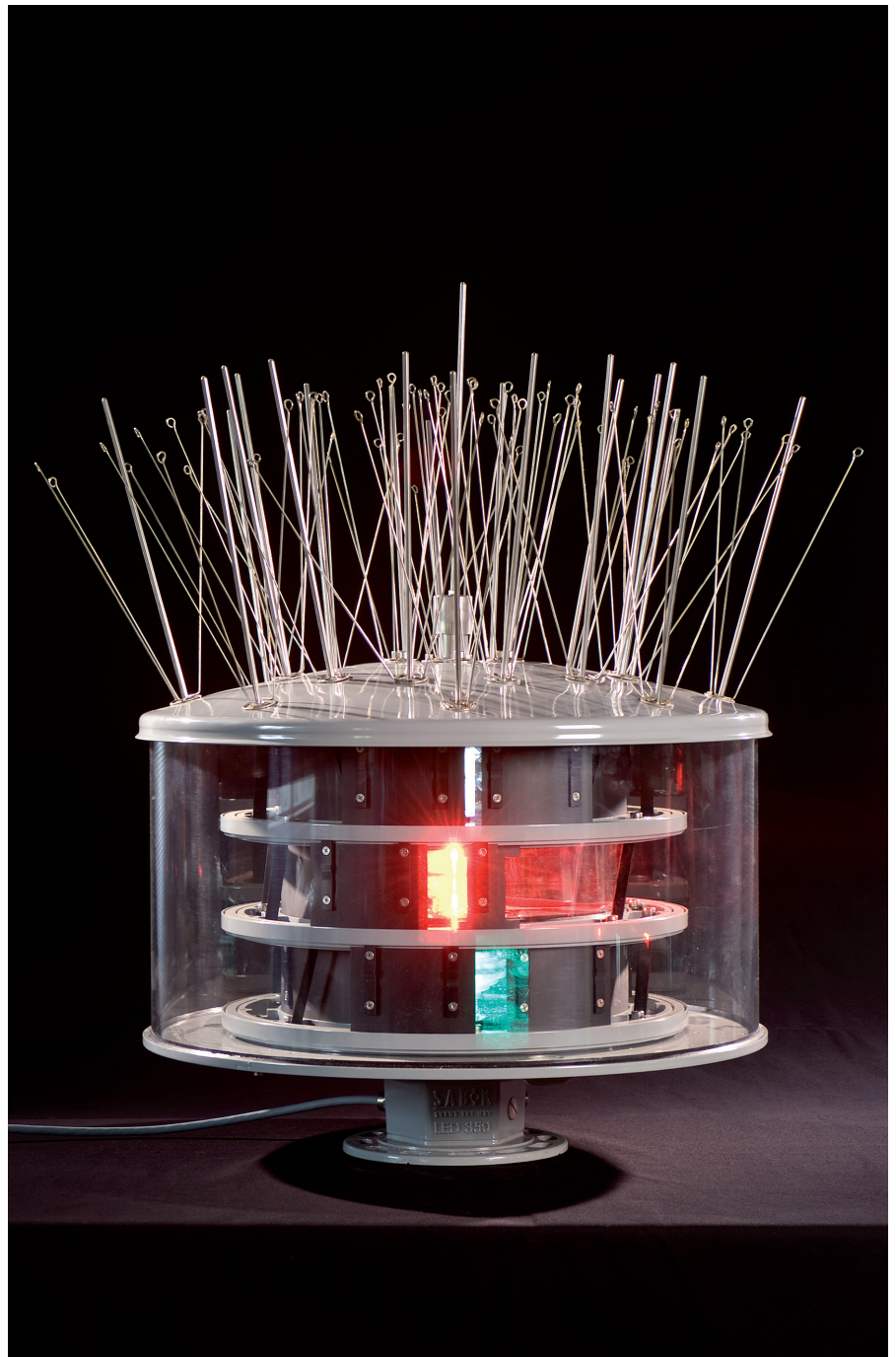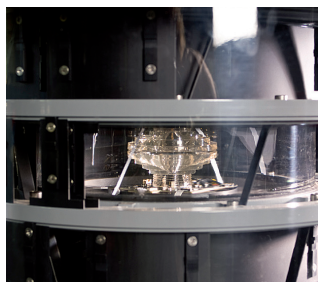# LED 350ODSL

Omni-directional
LED sector light

LED 350ODSL is a unique precision LED sector light that can replace most traditional incandescent sector lights with coloured glass filters. The range of a single tier white is 8 NM (Tc = 0,74). Red and green tiers have a range of 6 NM.

- Can be supplied fully sectorized and verified at Sabik's in-house photometric range

- Can be supplied with up to 6 tiers, with custom specific colour configuration

- Small area of uncertainty between sectors, typically less than 0,5°

- Better balance between coloured and white intensities compared to incandescent lanterns

- Field adjustable sectors with modular sector panels of various widths

- Optional precision shield that is easy to move from one lantern to another

- Power consumption independent of sector width and numbers of sectors

- Integrated flasher with daylight switch and a 16 ampere solar panel charger

- Integrated optical feedback of each LED as standard

Parabolic lens
The precision of the sectors is achieved with the unique design of the parabolic lens. The colour change is completed in a sector of less than 0,5. Patents pending.
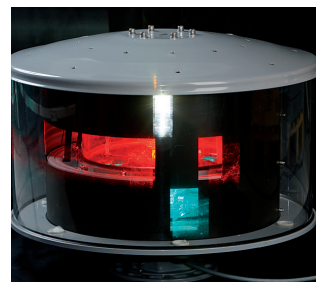
Level indicator
The lantern can easily be levelled in field using the integrated bubble level indicator on the top of the lantern.
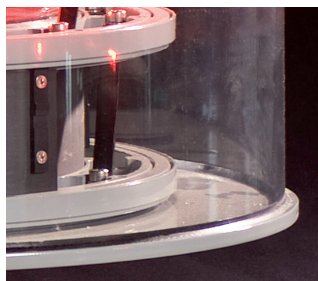
Adjustable sector panels
Any sector definition can be created using various numbers of sector panels that are easy to install and can be adjusted in the field much easier than coloured glass filters.
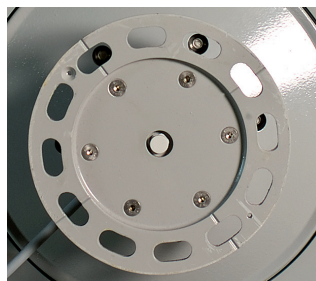
Fixed sector panel
If the operator wants to eliminate the possibility to move sectors in field, a prefabricated single piece sector panel can be used.

Weather cover
When installed outdoors and in dusty environments, the weather cover is recommended for easy cleaning of the lantern. It will also prevent snow accumulating in the sector openings and protect the sector configuration from unwanted mechanical abuse.

Installation
The bottom plate of the LED 350 supports installation on structure using 3 x M12 bolts or 4 x M12 bolts on a 200 mm diameter. The mounting holes are galvanic isolated with plastic isolators. PTFE breathing vent for pressure release.

IR port and photocell
Combined infrared communication port and photocell is located on the base of the lantern.

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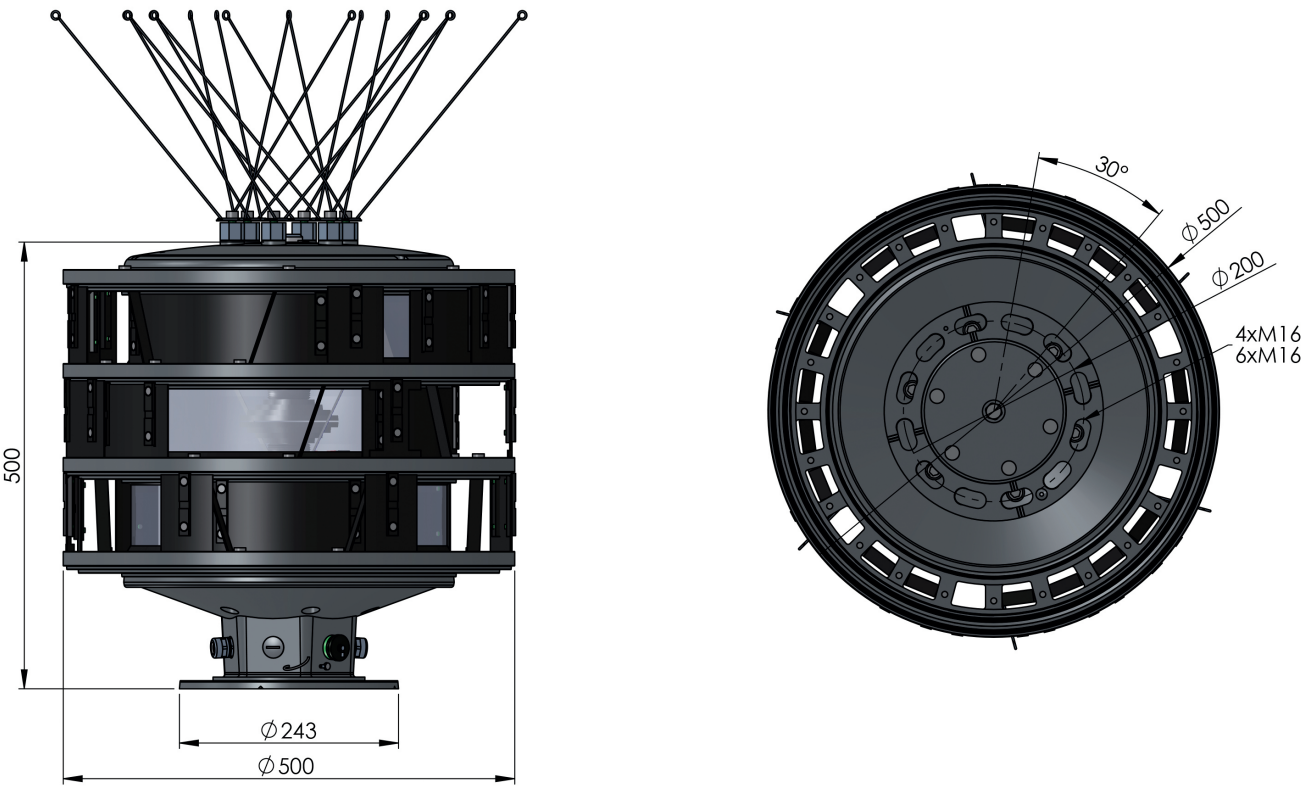User friendly and compact wireless two-way programmer.

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

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

Technical Specification LED 350ODSL

Optical performance

Maximum fixed luminous intensity per tier and colour			
Max power 10 W	500 cd	500 cd	1200 cd

Main Technical Specification

Lens visual/Mechanical diameter	350 mm (with weather cover 675 mm)
Lens material	UV stabilized Polycarbonate
Light source	High Power Light Emitting Diodes (LEDs)
Vertical divergence	2° @ 50% of peak intensity (FWHM)
Unit lifetime	Up to 10 years
Weight	35 kg for a 3 tier unit add 9,6 kg per tier for up to 6 tiers
Temperature range	-40°…+60°C
Supply Voltage	10 – 32 VDC
Solar Panel Charger	16 ampere PWM charger
Power consumption	10 watts/tier (max 60 W for 6 tier unit)

Order Overview LED 350ODSL

Option matrix

OPT 1: Optical Feedback System	Integrated LED performance measurement
OPT 4: GPS sync	Integrated GPS sync excluding GPS antenna
OPT 7: External GPS	External GPS antenna for OPT 4 and OPT 9
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

Product codes

LED 350ODSL	LED 350ODSL WEATHER COVER
LED 350ODSL-3	ODSL WC2