

### **LED 350H**

# High Power LED lantern for fixed installations

A LED beacon capable of visual ranges up to 18 NM (Tc = 0.74) 30 NM (Tc = 0.85). LED 350H is designed to substitute rotating beacons with a considerably smaller power consumption.

- Up to 15.000 cd luminous intensity per tier at only 100 watts
- Can be supplied with up to 5 tiers. Max luminous intensity an impressive 75.000 cd
- Rugged aluminium housing for installation in marine environments
- Low power consumption, suitable for solar and battery operation
- Integrated flasher with daylight switch and a 16 A solar panel charger
- Field adjustable intensity and range
- Programmable with Sabik standard IR programming devices
- Integrated 365 day event log
- Optionally integrated GPS synchronization
- Optionally integrated
  GSM Remote monitoring
- Equipped with Bluetooth programming











Bird spikes Stainless steel bird deterrents as standard. Easy to replace.

Offers great protection.



Level indicator The lantern can easily be levelled in field using the integrated bubble level indicator.



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



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



Additional cable entry Equipped as standard with two cable entries. If the second entry is needed e.g. for a solar module standard M20 cable gland can be fitted.



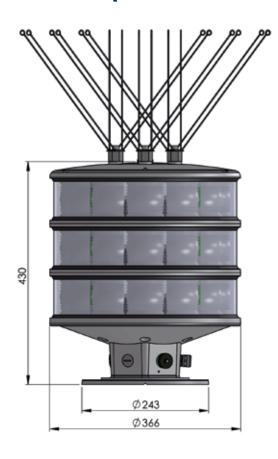
**Sabik Easy Programmer** User friendly and compact wireless two-way programmer.

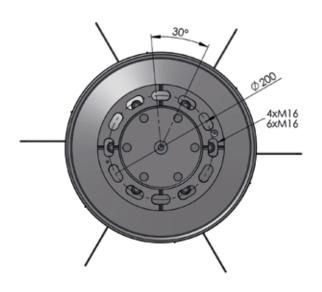


Bluetooth® Control Lantern can be programmed and controlled up to 50 meters distance with standard android and iOS mobile phones.



## **Technical Specification LED 350H**





#### **Optical performance**

Maximum fixed luminous intensity			
1-tier, 100 W	4.500 cd	8.000 cd	15.000 cd
2-tier, 200 W	9.000 cd	16.000 cd	30.000 cd
3-tier, 300 W	13.500 cd	24.000 cd	45.000 cd
4-tier, 400 W	18.000 cd	32.000 cd	60.000 cd
5-tier, 500 W	22.500 cd	40.000 cd	75.000 cd

#### **Main Technical Specification**

Lens visual/Mechanical diameter	350 mm	
Lens material	UV stabilized Polycarbonate	
Light source	High Power Light Emitting Diodes (LEDs)	
Vertical divergence	1.5° @ 50 % (± 0.3°) and 3° @ 10 % (± 0.5°)of peak intensity	
Unit lifetime	Up to 10 years	
Weight	12 kg for single tier unit, add 4 kg for each tier	
Temperature range	-40°+60°C	
Supply Voltage	20 – 32 VDC	
Solar panel charger	16 ampere PWM charger. Solar panel production (Ah) is logged	
Power consumption	100W/ tier	
Degree of protection	IP 67	



## **Order Overview LED 350H**

#### **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 OPT4 and OPT9	
OPT 9: LightGuard GSM + GPS	Integrated GSM based monitoring including GSM 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**

Colour	white	red	green
LED 350H 1 tier	LED 350H 1W	LED 350H 1R	LED 350H 1G
LED 350H 2-tier	LED 350H 2W	LED 350H 2R	LED 350H 2G
LED 350H 3-tier	LED 350H 3W	LED 350H 3R	LED 350H 3G
LED 350H 4-tier	LED 350H 4W	LED 350H 4R	LED 350H 4G
LED 350H 5-tier	LED 350H 5W	LED 350H 5R	LED 350H 5G

#### Product code example: LED 350H 3W.7-9

- LED 350H 3W is Sabik code for a three-tier LED 350H with lens in white
- 7-9 is a selection of OPT7 and OPT9

#### **LED 350H 12V**

LED350H is also available with supply voltage 10-18 VDC for one and two layer lanterns. There is no internal solar panel charger integrated in this 12V model lantern.

#### **Product codes for 12VDC white lantern**

1 LAYER	LED 350H 1W 12V
2 LAYERS	LED 350H 2W 12V