

## ODSL 200

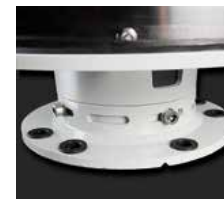
Omni-directional  
LED sector light

ODSL 200 omni-directional sector light is an innovative, compact new sector lantern with accurate sector borders. The lantern is equipped with a replaceable LED optical unit. The range of the lantern, depending on colour and flash character, is between 6-10 nm (Tc = 0,74)

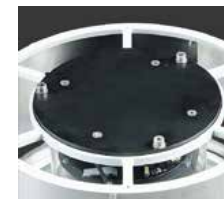
- Sectors are fully verified at Sabik's photometric range prior to delivery
- Field installation is easy thanks to a rotation mechanism in the base
- Precision alignment, at site, can be done with a gun sight (has to be ordered separately)
- After installation sector alignments remain unchanged even if the LED optical unit is replaced
- Lantern can be delivered with an external weather cover
- The standard sector light is available as a 3 or 6 layer model
- Small area of uncertainty between the sectors, typically less than 0,5 deg
- Integrated flasher with day light switch and a controller equipped with a 16 ampere solar panel charger
- Programmable with Sabik standard IR programming devices
- The lantern can be equipped with remote monitoring, synchronization and optical feedback
- Patent pending



**Optics**  
Optics designed for high intensity LEDs.



**Adjustment**  
Rotation mechanism in basement.



**Replaceable LED unit**  
LED optical unit is separated from the sector plate.



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



**Installation**  
The bottom plate supports installation on structures using 3 x M12 bolts or 4 x M12 bolts on a 200mm diameter.



**Protection**  
Weather cover as option. Protects the lantern in outdoor installations.



**High protection degree**  
The PTFE breathing vent for pressure release in the bottom of the LED optical unit.

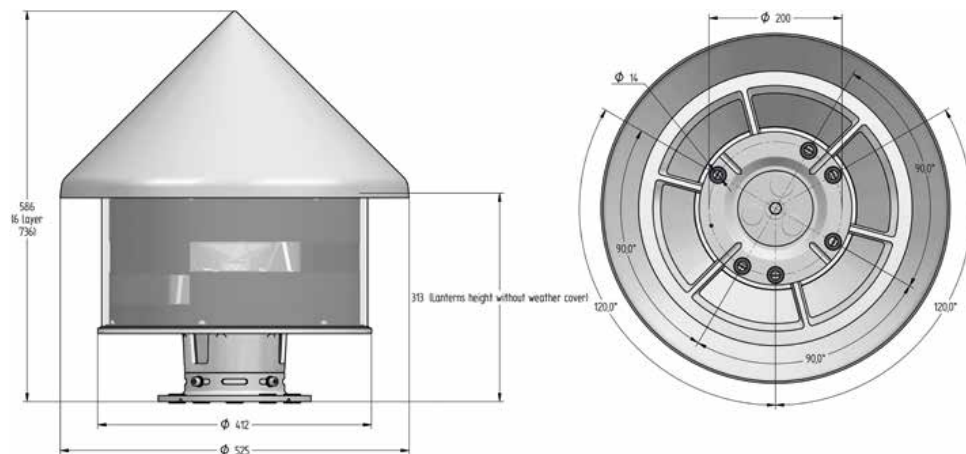


**Sabik Easy Programmer**  
User friendly and compact wireless two-way programmer.



**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.

## Technical Specification ODSL 200



### Optical performance

#### Maximum fixed intensity per tier and colour

Max power 3,5 W    **250 cd**    250 cd    600 cd

When using weather cover reduce 10 % intensity.

### Main Technical Specification

|                                 |                                  |
|---------------------------------|----------------------------------|
| Lens visual/Mechanical diameter | 200 mm                           |
| Lens material                   | UV stabilized Acrylic            |
| Light source                    | High Power Light Emitting Diodes |
| Vertical divergence             | 2°@50% of peak intensity (FWHM)  |
| Unit lifetime                   | Up to 10 years                   |
| Weight lantern                  | 3-tier 10,5 kg, 6-tier 13,4 kg   |
| Weight including weather cover  | 3-tier 14 kg, 6-tier 17,4 kg     |
| Temperature range               | -40° – +60°C                     |
| Supply Voltage                  | 9 – 30 VDC                       |
| Solar panel charger             | 16 ampere PWM charger            |
| Power consumption               | 3,5 watts/tier                   |
| Degree of protection            | IP 67                            |

## Order Overview ODSL 200

### Option matrix

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| LightGuard GSM       | Integrated GSM based monitoring with external GSM antenna |
| LightGuard GSM + GPS | Integrated GSM based monitoring with external antennas    |
| GPS sync             | Integrated GPS sync with external GPS antenna             |

### Product codes

#### LED ODSL 200

ODSL 200-3, 3 layer lantern

ODSL 200-6, 6 layer lantern

#### LED ODSL 200 WEATHER COVER

ODSL 200-3WC, 3 layer weather cover

ODSL 200-6WC, 6 layer weather cover

### Gun sight for exact positioning

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