



ODSL 200

Omnidirectional LED sector light
Typical range 4 to 12 NM

The ODSL 200 omnidirectional sector light is an innovative, compact solution with precise sector borders. Available in 3-tier, 6-tier, and 8-tier configurations, the expanded range offers enhanced performance at all levels, with the High Intensity White (HIW) providing an increased range of up to 12 NM. This light features a replaceable LED optical unit, with range dependent on colour and flash character.

- Sectors are verified at Sabik's photometric range prior to delivery.
- Easy field installation thanks to the free rotating base for unlimited horizontal alignment
- Precision alignment on-site can be achieved with a factory-aligned gunsight (ordered separately)
- Upgrade-ready design—sector alignments remain unchanged when replacing the LED optical unit
- Optional weather cover available for added durability
- Available as a 3-tier, 6-tier, or 8-tier model, including High Intensity White versions
- Minimal area of uncertainty between sectors, typically less than 0.5°
- Integrated flasher with daylight switch and a 16 A solar panel charger
- Programmable with Sabik IR programming devices or Bluetooth Control
- Equipped with remote monitoring and synchronization capabilities (optional)
- Patented omnidirectional LED sector light technology



Performance

| | Vertical divergence @ 50% peak intensity | Peak intensity red | Peak intensity green | Peak intensity white | Power consumption @ peak intensity |
|------------|--|--------------------|----------------------|----------------------|------------------------------------|
| ODSL 200-3 | 2° | 500 cd | 500 cd | 800 cd | 11 W |
| ODSL 200-6 | 2° | 1000 cd | 1000 cd | 1600 cd | 22 W |
| ODSL 200-8 | 2° | 1500 cd | 1500 cd | 1600 cd | 29 W |

High Intensity White

| | | | | | |
|---------------|----|---------|---------|---------|------|
| ODSL 200-3HIW | 2° | 500 cd | 500 cd | 1950 cd | 18 W |
| ODSL 200-6HIW | 2° | 1000 cd | 1000 cd | 3900 cd | 37 W |
| ODSL 200-8HIW | 2° | 1500 cd | 1500 cd | 3900 cd | 44 W |

Electrical specification

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|---------------------------|------------------|
| Nominal operating voltage | 12 VDC / 24 VDC |
| Operating voltage range | 10 - 32 VDC |
| Solar panel charger | 16 A PWM charger |

Structure and materials

| | |
|-----------------------------------|---------------------------------------|
| Light source | High power light emitting diode (LED) |
| Lens | UV stabilized acrylic |
| Lens visual / Mechanical diameter | 200 mm / 7.8 in |
| Cable length | 5 m / 16.4 ft |
| Ingress protection | IP67 |
| Temperature range | -40° to +60°C / -40° to +140°F |
| Unit lifetime | Up to 10 years |

Functional features

| | |
|-------------------|--|
| Remote monitoring | LightGuard and I/O port |
| Programming | Bluetooth control and Infra red programmer |
| Synchronization | Wire sync, GNSS |
| Flash character | 255 standard + any custom character |
| Day / night mode | Automatic |

Optical specification

| | |
|----------------------|-------------------|
| Angle of uncertainty | < 0.5° |
| Minimum sector width | 1° |
| Number of sectors | Not limited |
| Sector colours | White, red, green |

Dimensions

| Product | Product dimensions (DxH) mm | Product weight kg | Packing dimensions (DxWxH) mm | Total weight kg | Weight including weather cover kg | Product dimensions (DxH) inch | Product weight lb | Packing dimensions (DxWxH) inch | Total weight lb | Weight including weather cover lb |
|--------------|-----------------------------|-------------------|-------------------------------|-----------------|-----------------------------------|-------------------------------|-------------------|---------------------------------|-----------------|-----------------------------------|
| ODSL200-3 | 580x590 | 10.5 | 620x620x760 | 29.5 | 13.5 | 22.8x23.2 | 23.1 | 24.4x24.4x29.9 | 41.8 | 30.8 |
| ODSL200-6 | 580x740 | 13.4 | 620x620x760 | 36.9 | 20.9 | 22.8x29.1 | 29.5 | 24.4x24.4x29.9 | 50.7 | 38.3 |
| ODSL200-8HIW | 580x840 | 15.4 | 620x620x950 | 43.4 | 25.4 | 22.8x33.1 | 34.3 | 24.4x24.4x37.4 | 95.7 | 56 |

Accessories

| | |
|----------------|----------------------------------|
| LightGuard AIS | AIS remote monitoring |
| 821035 | Gun sight for exact alignment |
| ODSL200-3WC | Weather cover for 3-tier lantern |
| ODSL200-6WC | Weather cover for 6-tier lantern |
| ODSL200-8WC | Weather cover for 8-tier lantern |
| PS-180 | Power source |

Product code

| Code | Note |
|-----------------------------------|-----------------------------|
| ODSL200-T-OPT or ODSL200-THIW-OPT | |
| T | Number of tiers (3, 6 or 8) |
| HIW | High Intensity White |
| OPT | Option (4E or 9E) |

Options

| | |
|---------------------------------|---|
| OPT 4E: GNSS sync | Integrated GNSS sync with external GNSS antenna |
| OPT 9E: LightGuard LTE-M + GNSS | Integrated LTE-M based monitoring including LTE-M/GNSS antennas |

