



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

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

