

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



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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

High power light emitting diode (LED)			
UV stabilized acrylic			
200 mm / 7.8 in			
5 m / 16.4 ft			
IP67			
-40° to +60°C / -40° to +140°F			
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 uncertaincy	< 0.5°
Minimum sector width	1°
Number of sectors	Not limited
Sector colours	White, red, green

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

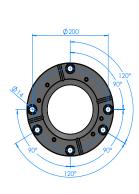
Product code

Code	Note
ODSL200-T-OPT or	
ODSL200-THIW-OPT	
Т	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 +	Integrated LTE-M based monitoring			
GNSS	including LTE-M/GNSS antennas			





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	580×590	10.5	620×620×760	29.5	13.5	22.8×23.2	23.1	24.4×24.4×29.9	41.8	30.8
ODSL200-6	580×740	13.4	620×620×760	36.9	20.9	22.8×29.1	29.5	24.4×24.4×29.9	50.7	38.3
ODSL200-8HIW	580×840	15.4	620×620×950	43.4	25.4	22.8x33.1	34.3	24.4×24.4×37.4	95.7	56

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