# Sector & Leading Lights



## **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



## Datasheet

# **ODSL 200**

#### Performance

	Vertical divergence @ 50% peak intensity	Peak intensity red	Peak intensity green	Peak intensity white	Power consumption @ peak intensity 11 W	
ODSL 200-3	2°	500 cd	500 cd	800 cd		
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	

Accessories

#### **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**

**Optical specification** 

Angle of uncertaincy

Minimum sector width Number of sectors

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			

< 0.5°

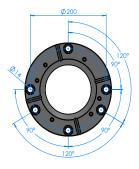
Not limited

White, red, green

1°

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)				
нім	High Intensity White				
ОРТ	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				

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#### Dimensions

Sector colours

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 Ib	Packing dimensions (DxWxH) inch	Total weight Ib	Weight including weather cover Ib
ODSL200-3	580×590	10.5	620×620×760	29.5	13.5	22.8×23.2	23.1	24.4x24.4x29.9	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	22.8×33.1	34.3	24.4x24.4x37.4	95.7	56