SABIK MARINE

ODSL 200

Omnidirectional LED sector light
Typical range 4 to 11 NM

ODLS 200 omnidirectional sector light is an innovative, compact sector light with accurate sector borders. This light is equipped with a replaceable LED optical unit. The range of the light, depending on colour and flash character, is between 4 and 11 NM @ 0.74T

- **Sector are verified at Sabik's photometric range prior to delivery**

- **Field installation is easy thanks to the adjustable 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**

- **Light can be delivered with an external weather cover**

- **Range 17,3 NM by night @ 0,85T**

- **The standard sector light is available as a 3, 6 or 12 layer model**

- **Small area of uncertainty between the 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**

- **This light can be equipped with remote monitoring and synchronization**

- **Patented omnidirectional LED sector light technology**

ODSL 200

Performance

	Vertical divergence @ 50% peak intensity	Peak intensity red	Peak intensity green	Peak intensity white	Power consumption @ peak intensity
1 tier	2°	450 cd	450 cd	800 cd	4 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 GSM and I/O port
Programming	Bluetooth control and Infra red programmer
Synchronization	Wire sync, GPS
Flash character	255 standard + any custom character
Day / night mode	Automatic

Optical specification

Angle of uncertaincy	< 0.5°
Sector alignment	Minimum sectors with 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
ODSL200-12WC	Weather cover for 12-tier lantern
PS-180	Power source

Product code

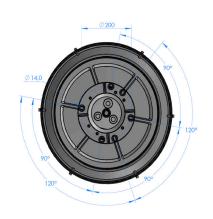| Code	Note
ODSL200-T-OPT	
T	Number of tiers (3, 6 or 12)
OPT	Option (4E or 9E)

Options

OPT 4E: GPS sync	Integrated GPS sync with external GPS antenna
OPT 9E: LightGuard GSM + GPS	Integrated GSM based monitoring with external GSM antennas

Dimensions

Product	Product dimensions (DxH) mm	Product weight kg	Packing dimensions (DxWxH) mm	Gross weight kg	Weight including weather cover kg	Product dimensions (DxH) inch	Product weight lb	Packing dimensions (DxWxH) inch	Gross weight lb	Weight including weather cover lb
ODSL200-3	580x590	10.5	620x620x760	19	14	22.8x23.2	23.1	24.4x24.4x29.9	41.8	30.8
ODSL200-6	580x740	13.4	620x620x760	23	17.4	22.8x29.1	29.5	24.4x24.4x29.9	50.7	38.3
ODSL200-12	580x1040	22.4			26.4	22.8x40.9	49.4			58.2