

HIGH INTENSITY PRECISION SECTOR LIGHT SL 100 TYPE

DATASHEET

The SL 100 high intensity precision sector light offers accurate guidance from a single site location.

The arc of the white sector determines the range of the light. The red and green sectors can be adjusted.

As an option a supplementary coding system for flashing boundaries is available. Levelling and aligning can be made with a riflescope for which attachment provisions are made.

The rugged housing is made of stainless steel. Different types of condenser systems can make the desired divergence angle, so every SL 100 sector light can be customised to suit specific requirements.

The applied flasher is the micro-controller based KG256 with 256 pre-programmed IALA flashcodes, which also controls the six-place lampchanger.

Optional a GPS signal based synchronisation is available.



The SL 100 can be equipped with different types of marine/halogen lamps with a maximum of 250 watts. Cable entry is by means of a PG 13.5 cable gland. Surface treatment is 2 layers of polyurethane coating standard colour white.

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Specifications:

Application	: Port entrance leading light.
Type	: SL 100
Make	: I.T.O. Vaarwegmarkering B.V.
Optics	: Condenser type.
Color filters	: Glass adjustable.
Heat filter	: Glass.
Base material	: Stainless steel.
Lamp type	: Max. 250 watts.
Lamp life expectancy	: Depending on lamp type.
Flasher	: KG256.
Daylight switch	: Integrated.
Flashing boundaries	: Option.
Power supply	: 12 - 30 volts DC, option 230volts AC.
Connection	: Screw terminal.
Cable entry	: Cable gland PG 13.5
Horizontal divergence	: Depending on optics from 3.5 - 25 degrees.
Vertical adjustment	: Provided approx. 10 degrees.
Azimuth adjustment	: Provided approx. 10 degrees.
Intensity	: Depending on lamp type and subtense, Max 710.000 candela
Weight	: Ca. 25 -100 kgs. depending on subtense angle.



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Intensity table:

Peak Intensity lamp type halogen 12 volt 20 watt

subtense	25 deg.	20 deg.	15 deg.	10 deg.	7.0 deg.	5.0 deg.	3.5 deg.
white	420	690	1.150	2.550	5.350	10.800	22.100
red	110	180	270	610	1.300	2.750	5.700
green	102	159	240	530	1.150	2.400	5.150

Peak Intensity lamp type halogen 12 volt 35 watt

subtense	25 deg.	20 deg.	15 deg.	10 deg.	7.0 deg.	5.0 deg.	3.5 deg.
white	810	1.250	2.200	5.000	10.200	20.200	41.000
red	210	325	590	1.250	2.550	5.300	10.000
green	200	300	525	1.120	2.300	4.750	9.100

Peak Intensity lamp type halogen 12 volt 50 watt

subtense	25 deg.	20 deg.	15 deg.	10 deg.	7.0 deg.	5.0 deg.	3.5 deg.
white	1.200	1.900	3.400	7.500	15.800	30.600	64.000
red	310	490	860	1.800	3.900	7.400	15.900
green	280	455	780	1.720	3.650	6.850	14.750

Peak Intensity lamp type halogen 12 volt 100 watt

subtense	25 deg.	20 deg.	15 deg.	10 deg.	7.0 deg.	5.0 deg.	3.5 deg.
white	5.500	8.850	16.100	36.200	74.600	146.000	300.000
red	1.400	2.100	3.950	9.200	19.400	38.100	80.000
green	1.300	1.890	3.450	8.150	18.000	34.000	71.000

Peak Intensity lamp type halogen 24 volt 250 watt

subtense	25 deg.	20 deg.	15 deg.	10 deg.	7.0 deg.	5.0 deg.	3.5 deg.
white	14.000	22.000	39.200	85.000	180.000	350.000	710.000
red	3.400	5.500	10.200	21.000	47.200	91.000	190.000
green	2.980	4.900	9.000	18.000	41.000	80.000	168.500

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