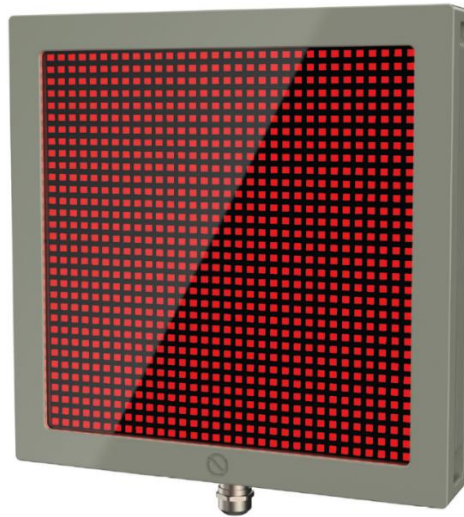


Stop & Go Light

Product SGL H20007-00-00x



The Stop & Go Light /Traffic Light / Deck Status Light (SGL) is an essential safety component indicating to the helicopter pilot that launch/recover of an aircraft is cleared or that it is not safe to continue, and the landing should be aborted. The SGL is a large and powerful, flat-shaped, square signal-light to be mounted on the wall towards the landing deck. The 1024 Pixel RGB LED display allows for various customization options regarding colours and symbols to be displayed, either steady or flashing. It can be seen in 2 NM at night. The rigid housing in massive, seawater resistant aluminium is optimized for performance in extreme marine environments.

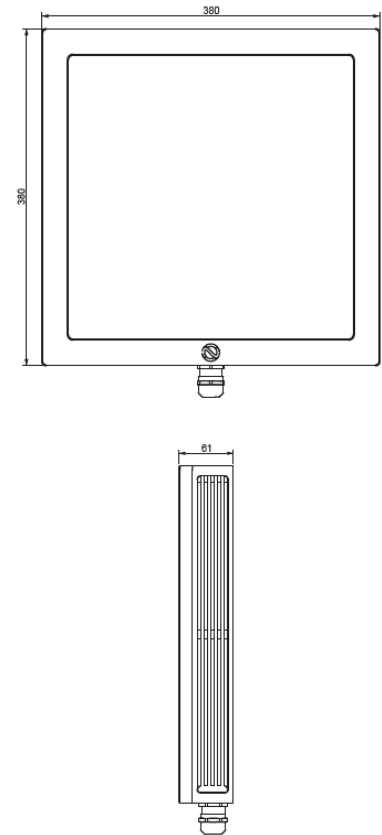
The standard colours are green, red, and amber. A green circle symbol stands for "GO", a red lying cross stands for "STOP" and an amber triangle indicates "Attention" or "Expect Further Clearance" (EFC). In Night Vision Goggle (NVG)-mode all symbols are displayed in green. A radiation screen provides excellent visibility in direct sunlight conditions. This three colour SGL reduces cabling and installation effort compared to three individual mono-chrome lights. Additionally, the symbols can be seen more distinctively under NVG mode. The light intensity can be dimmed in 65K steps, configured in eight or more user defined levels via the control system.

System integrity and operational reliability is monitored by multiple sensors measuring temperature, and humidity. These internal electronics provide constant monitoring of the SGL status and ensure that degradations and failures can be detected generally before such event.

Benefit of the electronic features is granted in combination with Optonaval's software suite Albatross, starting with the module AlbaNavy / AlbaYacht. Please refer to the relevant Software Documentation.

PRODUCT SPECIFICATION

ELECTRICAL SPECIFICATION	
Supply voltage	48 V DC
Power	see application table
OPERATING CONDITIONS	
Ambient temperature	-32°C to 49°C
Ingress protection level	IP66
Shock	acc. to MIL-STD-810H / 10G
Vibration	acc. to MIL-STD-810H
EMC	acc. to MIL-STD-461G
NVIS	acc. to STANAG 1445 / Stage 2
MECHANICAL SPECIFICATION	
Dimensions (LxHxD)	380x380x61 mm
Weight	approx. 10 kg
Housing colour	RAL 7000, gloss grade 80%
Housing material	sea water resistant aluminium alloy
Surface coating	anodized & powder coated
Front glass material	laminated safety glass
OPTICAL / LIGHT SPECIFICATION	
Light source	LED
Light colours	CGN, AM, RD
Beam angle	see application table
Beam intensity	see application table
CONNECTION & CONTROL SPECIFICATION	
Power supply / Data cable	4*2*0,75 mm ² twisted shielded
Controls	MODBUS RTU



SPECIAL FEATURES

✓	Powerful light, clearly visible
✓	Display to be customized
✓	Dimming in 65k steps
✓	Suitable for the use of Night Vision Goggles (NVG)
✓	Health monitoring and reporting
✓	Smart weight saving cabling
✓	Integrated in Albatross software suite
✓	Comprehensive service package and ILS support available

VARIANTS & APPLICATIONS

ON Part no.	Product Type	Power & Light Characteristics
H20007-00-001	380x380mm - GN/AM/RD - Symbol	to be provided on request
H20007-00-004	380x380mm - GN/AM/RD - without Symbol	to be provided on request