

Universal Traffic Light

Product UTL- H20030-00-00x / Naval Applications



The Universal Traffic Light (UTL) is a down-sized variant of the Stop&Go Light, customized in colour, and serving various purposes. Typical installations display a vertical line on the transom below the flight deck level and a vertical arrangement on the hangar wall. Together with the deck mounted Line-Up Lights (LUL) they form a straight line parallel to the centreline of the flight deck and provide a perfect set of reference markings for the horizontal alignment of the helicopter during final approach or special operations. UTLs are also mounted on the flight deck in direct sight of the FDO repeating the deck status.

The UTL is compatible to Night Vision Goggle (NVG) mode according to STANAG 1445 / Stage 2, details depending on the selected light colour.

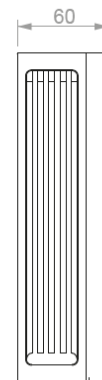
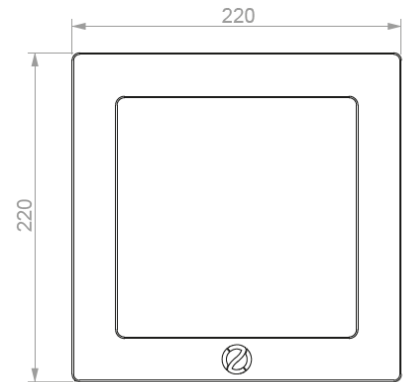
The light has a low and compact housing made of massive seawater resistant aluminium, designed for performance in extreme marine environments. The light intensity can be dimmed in 65K steps, configured in eight or more user defined levels via the control system.

System integrity and operational reliability is monitored by multiple sensors measuring temperature, humidity, and electric current. These internal electronics provide constant monitoring of the UTL 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. Please refer to the relevant Software Documentation.

PRODUCT SPECIFICATION

ELECTRICAL SPECIFICATION	
Supply voltage	48 V DC
Power	see applications table
OPERATING CONDITIONS	
Ambient temperature	-32°C to 49°C
Ingress protection level	IP66/68
Shock	acc. to MIL-STD-810H / 10G
Vibration	acc. to MIL-STD-810H
EMC	acc. to MIL-STD-461G
NVIS compatible	acc. to STANAG 1445, Stage 2
MECHANICAL SPECIFICATION	
Dimensions (LxHxD)	220x220x61 mm
Weight	5,6 kg
Housing colour	RAL 7000, gloss grade 80%
Housing material	sea water resistant aluminium alloy
Surface coating	anodized & powder coated
Front glass material	mineral glass
OPTICAL/LIGHT SPECIFICATION	
Light source	LED
Light colours	see applications table
Light intensity	see applications table
Beam angle	FWHM 55°
CONNECTION & CONTROL SPECIFICATION	
Power supply / Data cable	4*2*0,75 mm ² twisted shielded
Controls	MODBUS RTU
Daisy chain	max 4 in a row



SPECIAL FEATURES

✓	One common design for multiple applications
✓	Reducing ILS effort
✓	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 – Light Colour	Light Characteristics
H20030-00-001	210x210mm - RD - GN	to be provided on request
H20030-00-002	210x210mm - GN	
H20030-00-003	210x210mm - AM	
H20030-00-004	210x210mm - WH	
H20030-00-005	210x210mm - RD	
H20030-00-006	210x210mm - RD - GN - AM	