

## Hangar Wash Flood Light

Product HWFL H20011-00-00x / Naval Applications



The Hangar Wash/Deck Flood Light (HWFL) is designed to illuminate the hangar and adjacent deck areas. Its design has been derived from the CFDEL "the Crab", just without the deck edge light on top. The three windows at the side are each equipped with a dual light source. Serving as Hangar Door Flood Lights, they are mounted on the astern superstructure to illuminate the helicopter hangar wall with steady white or green light. Installed at the outer side of the helicopter landing pad, each HWFL has one light source used as a deck flood light, and the second as a helicopter service light. The deck light floods the helicopter landing area with sufficient light to safely identify the deck itself as well as objects during take-off and/or landing. The crew uses the service light to inspect and load / unload the helicopter after landing.

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

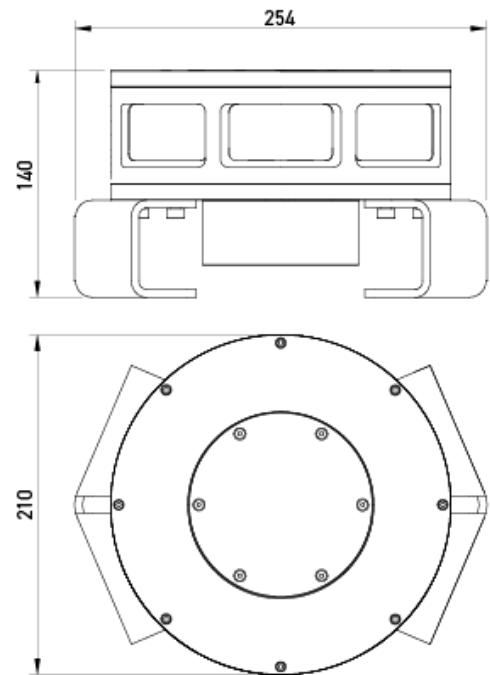
The light has a low and compact housing made of massive seawater resistant aluminium, designed for performance in extreme marine environments. The light intensity can be dimmed in 65K steps, configured in eight or more user defined levels via the control system.

System integrity and operational reliability is monitored by multiple sensors measuring temperature, humidity, and electric current. These internal electronics provide constant monitoring of the HWFL 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	30 W rated / 45 W max
OPERATING CONDITIONS	
Ambient temperature	-32°C to 49°C
Ingress protection level	IP66/67
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	Ø210x254x140 mm
Weight	approx. 5 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
FDL beam intensity	see applications table
CONNECTION & CONTROL SPECIFICATION	
Power supply / Data cable	4*2*0,75 mm <sup>2</sup> twisted shielded
Controls	MODBUS RTU
Daisy chain	max 4 in a row



## SPECIAL FEATURES

✓	Common spare parts with CFDEL
✓	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 & Intensity
H20011-00-002	FDL - HSL - WH - 5000K	to be provided on request
H20011-00-003	FDL - WH - 5000K	to be provided on request
H20011-00-004	HSL - WH - 5000K	to be provided on request