



ALS 450 NAI

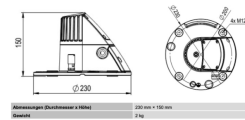
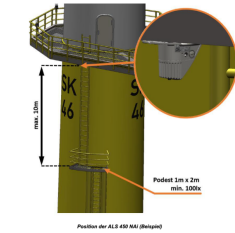
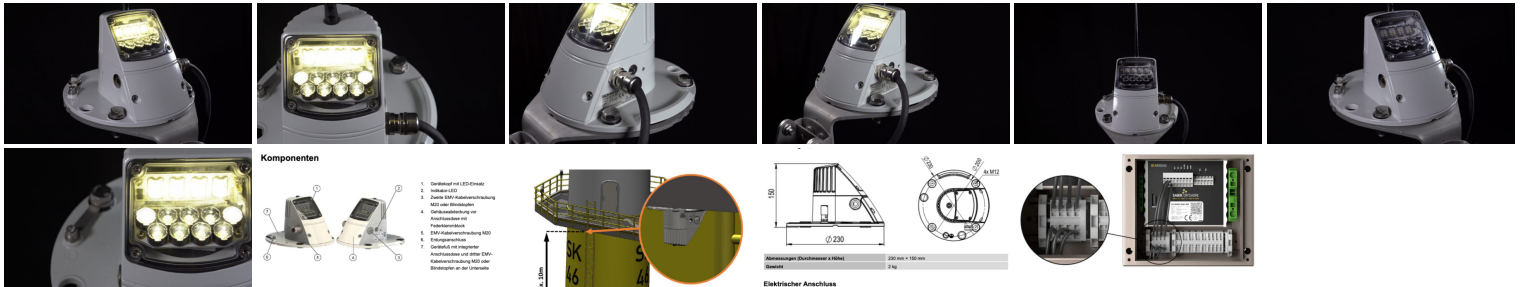


SKU: N/A

Categories: [Safety](#), [Boat Landing Light](#), [All Products](#), [ORIGINAL NAI Products](#)



GALLERY IMAGES



Elektrischer Anschluss	
Bestimmter Anschluss	Freigelegt (min. 2,0 mm ²)
Bestimmte Spannung	12 bis 24 V DC
Leistungsfähigkeit (24 x 24 V DC, max. Belastung)	25 W
Optisches System	
Leuchtwinkel	360°
Maximale Abstrahlleistung (10 m, Messungshöhe)	100 lx

PRODUCT DESCRIPTION

Boat Landing Floodlight

- Maintenance-free LED technology for illumination of boat landing and maintenance platforms on offshore structures
- Anodised, powder-coated aluminium housing
- Standard NAI bus interface for power supply and communication

The ALS 450 NAI floodlight is used for illuminating boat landing and maintenance platforms.

The floodlight's integrated NAI bus interface is used to supply power and control the intensity and switching status and to transmit status and error messages to the central NAI Controller. The messages are then available to the central SCADA system.

The integrated operational monitoring detects failure of LEDs, errors in the control electronics as well as supply voltage problems, excess temperature and interruptions in communication.



Technical Data

DIMENSIONS, WEIGHT

Dimensions, (diameter x height)	230 mm x 150 mm
Weight	2 kg

ELECTRIC CONNECTION

Electrical connection	Spring terminal block, max. 2.5 mm ²
Operating voltage VIN	19 to 36 V DC
Power consumption (VIN=24 V DC - max. intensity)	25 W

OPTICAL SYSTEM

Light colour	3800 K
Average illuminance (10 m installation height)	100 lx

RELIABILITY

MTBF Electronics	2 130 000 h
Minimum LED Lifetime	60 000 h

ENVIRONMENTAL CONDITIONS

Regulations	IEC 60945, device type 'exposed'
Ambient temperature (operation)	-40°C to 55 °C
Ambient temperature (storage / transport)	-40°C to 70 °C
Humidity (operation / storage / transport)	max. 95 % acc. to IEC 60945
Atmospheric pressure (operation / storage / transport)	80 kPa to 108 kPa
Degree of protection (acc. to IEC 60529)	IP67
Protection class	Class III

MECHANICAL REQUIREMENTS

Vibration testing sinusoidal vibrations	acc. to IEC 60945
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MATERIAL

Housing (Device foot, head, cover for socket)	Anodised, powder-coated aluminium (AlSi12)
Lens	PMMA
Cover LED insert	PC (MAKROLON®)
Cable gland	Nickel-plated brass
Earthing connection	Nickel-plated brass
Cover indicator LED	PMMA
Insulation sleeve	PA



Seals
Pressure compensation valve

TPE / EPDM
PTFE membrane