ORIGINAL NAI

SKU: N/A

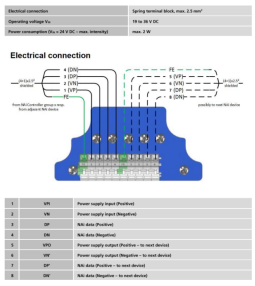
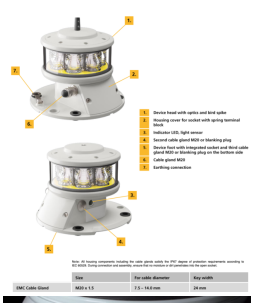
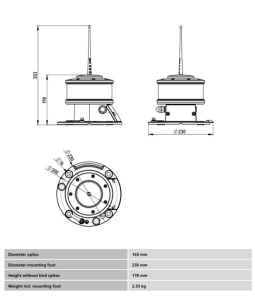
Categories: Marine Lanterns, All Products, ORIGINAL NAi Products

GALLERY IMAGES










PRODUCT DESCRIPTION

Marine Lantern LED 160 NAi

Designed specifically for marking offshore wind turbines. It comes in yellow with a configurable intensity to achieve a range from 2Nm to 5 NM and a higher intensity 10NM white version.

NAi interface – Communication and power are provided through the NAi network.

LED technology – Using the highest quality LED technology, the LED 160 provides the highest light output with low power consumption.

Low maintenance – With standard interfaces, LED technology and remote monitoring, the LED 160 is extremely low maintenance.

Standards – The LED 160 satisfies the IALA recommendation 0-139 guidelines for offshore structures and the German TF01 5NM beacon (yellow) requirements.

Synchronization – The optional integrated GPS unit provides exact day/night switching and flash code synchronisation within the NAi network.

Configuration Options

- Available Intensities – 2NM to 5 NM and 10 NM
- Integrated GPS unit*
- Sector blind

*not available in 10NM version

Technical Data (LED 160 NAi)

DIMENSIONS & WEIGHT	
Diameter optics	160 mm
Diameter mounting foot	230 mm
Height without bird spikes	178 mm
Weight incl. mounting foot	2.55 kg
ELECTRICAL CONNECTION	
Electrical connection	Spring terminal block, max. 2.5 mm²
Operating voltage VIN	9 to 36 V DC
Power consumption (VIN = 24 V DC - max. intensity)	max. 2 W
OPTICAL SYSTEM	
Light colour	Yellow
Maximum light intensity (along the optical axis)	approx. 140 cd
Beam angle (vertical)	8° (FWHM)
ENVIRONMENTAL CONDITIONS	
Regulations	IEC 60945, device type ‘exposed’
Ambient temperature (operation)	-40℃ to 55℃
Ambient temperature (storage / transport)	-40℃ to 70℃

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
ELECTRICAL SAFETY AND HEALTH	
Protection class	Class III
Overvoltage protection	Class III
Pollution degree	3
RELIABILITY	
MTBF Electronics	2 130 000 h
Minimum LED Lifetime	100 000 h
MECHANICAL REQUIREMENTS	
Vibration testing sinusoidal vibrations	acc. to IEC 60945
MATERIAL	
Housing (Device foot, head, cover for socket)	Anodised, powder-coated aluminium (AlSi12)
Lens	PMMA
Lens cover	PMMA
Cable gland	Nickel-plated brass
Earthing connection	Nickel-plated brass
Cover indicator LED	PMMA
Insulation sleeve	PA
Seals	TPE, injection-molded
Pressure compensation valve for socket and housing	PTFE membrane

Some product specifications can vary to the below based upon configuration variations. Please double check the appropriate technical datasheet.