

# NOVA-IB

## MEDIUM RANGE ICE OR RIVER BUOY LANTERN

**The NOVA-IB is specifically designed for use on an ice buoy or spar type river buoy. Manufactured from heavy-duty bronze with a strong acrylic lens, the NOVA-IB is highly efficient and naturally completely waterproof. For the occasions when it is pulled under ice or pulled under water from floating debris, Tideland offers a tilting control option that will turn the light off to increase efficiency.**

Rated at IP68, The NOVA-IB is available in all IALA colors and has a 10 degree vertical divergence with ranges of up to 7 or 8NM depending upon color of choice. It has a "best in class" performance rating and is up to 50% more efficient than comparable products.

The NOVA-IB has a wide input voltage range of 12V to 30V DC and is compatible with most primary battery packs. Designed with greater efficiency, the NOVA-IB will outlast other products and provide options to select a greater NM range.

Potential debris may cause considerable damage to conventional buoys and lanterns. Trials have shown that using a spar type buoy with a NOVA-IB can limit damage. On most ice buoys, debris builds up against the buoy until it is pushed under, whereby using a spar type buoy with a NOVA-IB, tests have shown the debris floats over and the buoy returns to its normal position.

NOVA-IB can also be programmed with a simple remote control that is also available as an option.



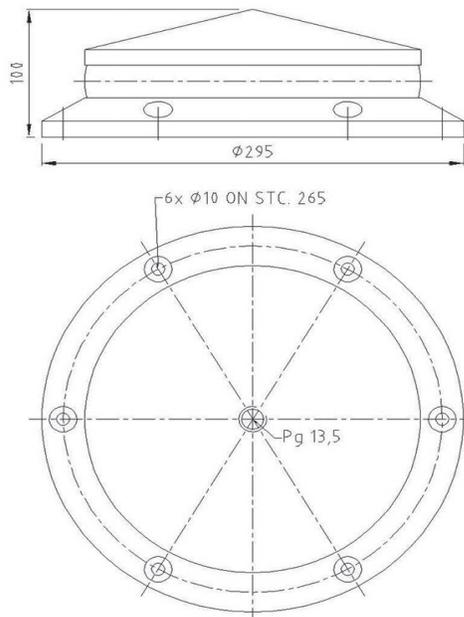
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## Technical Details

<b>Application</b>	Buoys or beacons
<b>Lens material/ type</b>	Acrylic type PMMA200
<b>Lantern base</b>	Bronze
<b>Lantern top</b>	Bronze
<b>Optional birdspike</b>	Stainless steel spring-type
<b>Flasher</b>	256 pre-programmed IALA flash codes
<b>Connection</b>	PUR cable, standard length 3 metres
<b>Cable entry</b>	Cable gland PG13.5, brass, nickel plated
<b>Sunswitch</b>	Internal
<b>Horizontal spread</b>	360 degrees
<b>Vertical divergence</b>	
1 Tier	
2 Tier	> 24 degrees at 10% 10 degrees at 50%
<b>Max. intensity at T=0.74</b>	7 to 8NM
<b>4NM flashed at 0.5 second</b>	White 1.39W, Green 1.72W, Red 2.29W
<b>5NM flashed at 0.5 second</b>	White 2.83W, Green 3.611W, Red 4.72W
<b>Voltage range</b>	12-30VDC
<b>Protection class</b>	IP68
<b>Lantern mounting</b>	6 x 10mm holes, 265mm pitch circle
<b>Weight</b>	11kg

NOTE: Specifications are subject to change.

A Tough and Efficient  
Ice Buoy Lantern



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