

TRB-220

MaxLumina® Rotating Beacon

TRB-220 is a high intensity rotating beacon capable of providing simple and complex flash characters. This beacon can be configured to provide high efficiency in effective intensities using a wide range of low wattage marine signal lamps as well as LED light source. Tideland Signal's TRB-220 MaxLumina® is excellent in battery operations where a proper charge level can be maintained through photovoltaic charging from solar panels. A 6-lens carousel, light source, gearless direct drive motor and electronic control module are contained in a watertight aluminium and fiberglass housing (IP65) with acrylic glazing and stainless steel fasteners. Mounted on a light tower of proper height, TRB- 220 gives coastal shipping up to a 20NM range light (@ T = 0.74).



CHARACTERISTICS

- 6-lens carousel, consisting of a flash panel design with catadioptric prisms
- Operates with up to a 110W lamp without need for ventilation or cooling fans
- Brushless DC direct drive motor designed for smooth operation at low RPM
- Over 16 preprogrammed rotation periods, ranging from a period of 6 to 120 seconds
- 25 years of useful life
- Available in all IALA colours
- No scheduled maintenance for life of motor
- Accommodates Tideland's TF-3B MicroPower OMNIBUS® II 6-place lampchanger, MaxiHALO-60RB (LED) or MLED-Retro
- Automatic switchover to standby lantern
- Full monitor and control access



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Technical Details	
Power Consumption	
Lamp version	As specified (from 3 to 110W)
LED version	Up to 30W
Motor	Average 2.5W
Operating Temperature	
DC Version	9 – 36VDC
AC Version (Requires additional equipment)	110 – 240VAC, 50/60Hz
Light Source	
Tideland TF-3B OMNIBUS II, high temperature, 3 or 6 place lampchanger, MaxiHALO-60RB (LED) or MLED-Retro	
Drive System	
Brushless DC motor; gearless direct drive	
Optics	
Acrylic Moulded Flash Panel	110mm focal length, Catadioptric Fresnel Lens
Glazing	330mm UV-resistant acrylic
Lens Configuration	
Standard	220mm Hexagonal
16 rotation periods, field selectable	
Rotation Periods	
Standard Periods 120, 90, 72, 60, 48, 30, 24, 20, 15, 12, 10, 9, 8, 7, and 6 seconds	
Environmental	
Temperature	-40° C to +55° C
Humidity	100% non-condensating
Physical Size	
Height	915mm (36.0in) with spike
Weight	20kg (44lb)
IP Rating	IP65