ML-300 HI

MaxLumina® High-Intensity Signal Lantern

TIDELAND ENGINEERED

An AC-powered, high-intensity marine lantern, ML-300 HI MaxLumina® is an economical alternative to costly rotating beacons. It is available in General Marine Use (GMU) or ATEX Category 2 versions and produces up to 19,800 candela. Depending on transmissivity at the site and the flash characteristic chosen, ML-300 HI can attain a range of up to 15 Nm.

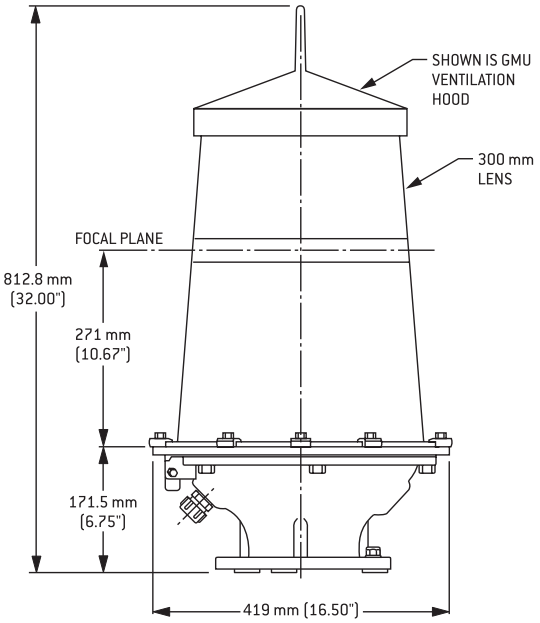
Shown is ML-300 HI MaxLumina® ATEX Category 2 version, high intensity lantern

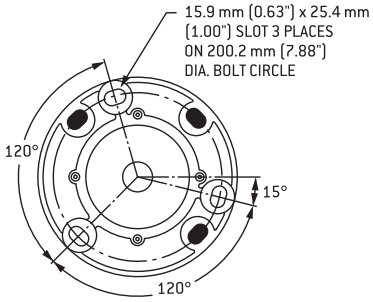
FEATURES

- Constructed of corrosion resistant, marine grade materials
- Meets the requirements for a 'U' code main light on North Sea platforms
- All cable glands and connectors factory supplied
- Controller for GMU lantern housed in cast aluminium E-Box, controller for ATEX lantern is encapsulated and mounted inside lantern housing
- Electrical continuity is maintained at lamp contacts, eliminating arcing
- Shielded high voltage contacts to protect service personnel
- Solid-state electronics control lamp-out sensing, motor drive (GMU only), sunswitch and flash character timing
- Integrates into customer alarm system
- Enables two ML-300 HI lanterns to flash in unison to produce a biform landfall beacon
- 256 flash codes available
- Controller can be positioned up to 91 metres (300 feet) from lantern site (GMU only)
- Lamp holder allows for 2 lamps or one twin filament lamp to be used, one active and one on standby (GMU uses 375 or 750 watt lamps, ATEX Category 2 uses a 400 watt twin filament lamp)
- Motorless lampchanger available for Zone 1 applications
- Ventilation hood for dissipation of intense heat (GMU only)
- Full monitor and control capable

OPTIONAL EQUIPMENT

TBC-10 battery charger maintains correct state of charge to secondary storage batteries, and can maintain two independent battery banks in parallel by a sealed relay while AC input power is present.





Bottom View

Electrical Input:
120 VAC, 50-60 Hz, 1-ph

Total Weight:
GMU 14.5 kg (32 lb)
ATEX 16.8 kg (37 lb)

INTENSITY TABLE

ML-300 HI MaxLumina® with Clear Lens and Selected Lamps

LAMP SIZE RATING/FILAMENT AND ENVELOPE	t_1 (seconds)	FIXED INTENSITY (candelas)	EFFECTIVE INTENSITY IN CANDELAS - FLASHING WHITE					
			CCT 0.4 Sec	CCT 0.5 Sec	CCT 0.6 Sec	CCT 1.0 Sec	CCT 1.2 Sec	CCT 2.0 Sec
120V, 375W/CC-HALO, T-20 Mogul Bi-post (single filament), or G-52/375 Mogul Quad-post (dual filament)	0.315	12605	5791	8182	9331	11000	11325	11900
120V, 750W/CC-HALO, T-20 Mogul Bi-post (single filament), or G-52/750 Mogul Quad-post (dual filament)	0.520	19800	-	-	8800	16386	17262	18547
120V, 400W/CC-HALO, G-52/400 Mogul Quad-post (dual filament)	0.320	19000	10830	12350	13300	15390	15960	17100

Use multiplier of 0.30 for red or green lens and 0.74 for yellow lens. For lanterns in biform configuration, multiply listed values by two.

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ISO 9001:2008
Certificate
Number: 30061

Tideland Signal Corporation maintains ISO 9001:2008 accreditation. It is company policy to provide products and services that meet the highest standards of quality in the industry.

ML-300 HI is available in two versions: General Marine Use (GMU); ATEX, Cat 2.

Membership Organisations