



LC-6 Ex Lampchanger

For ML-300 Ex MaxLumina® Marine Signal Lantern

LC-6 Ex is a 6-place lampchanger for use in Tideland Signal's ML-300 marine lantern for service in hazardous environments. LC-6 Ex is certified for applications in Zone 1 hazardous locations when installed in ML-300 MaxLumina® lantern. An electronic controller, mounted in a separate enclosure, controls the lampchanger. A stepper motor is used to rotate the lamp turret for precise lamp location.

FEATURES

- Electronics contained within a single replaceable circuit assembly minimise the need for field service and spare parts inventories.
- Multiple units can be synchronised to flash in unison.
- 256 user-selectable preprogrammed flash codes are standard.
- Maintains constant lamp power over a wide input voltage range, conserving battery power and increasing lamp life.
- ON and OFF sunswitch to conserve battery power.
- Reverse polarity protection.
- Lamp current monitoring.
- Fail signal when a failure occurs.
- Special circuitry to protect from lightning surges.
- Compatible with Tideland's SignalView™ OMNICOOMM and NavLink® monitor and control systems.

LC-6 Ex Lampchanger

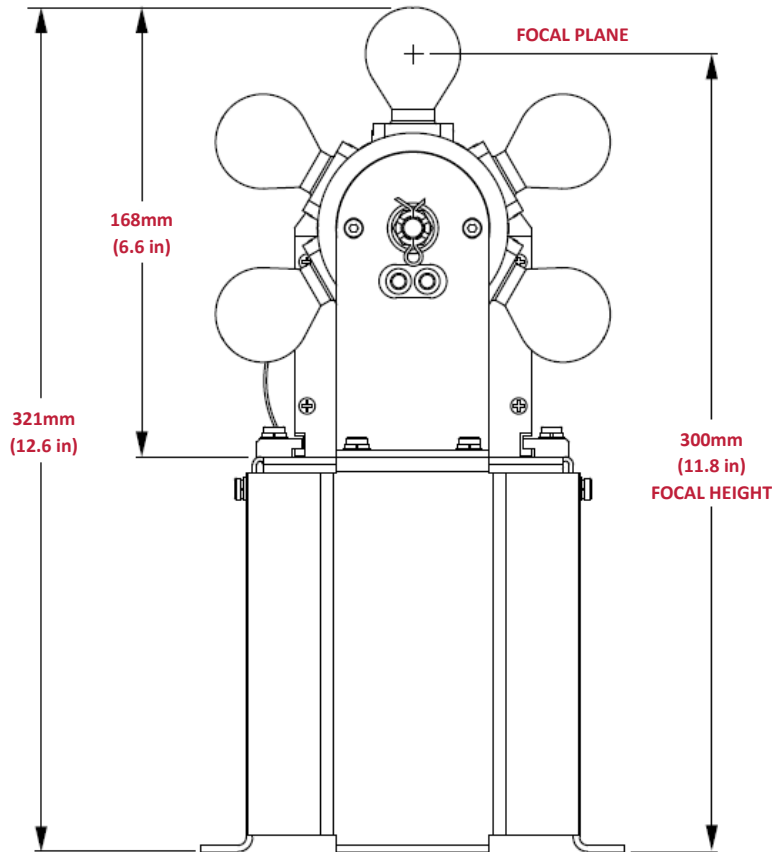


SPECIFICATIONS

Input Voltage	9 to 36VDC
Quiescent Current	5mA
Lamp Power Regulation	± 2% over 12 to 16VDC
Power Output	2 to 23 Watt Lamps
Current Monitor	± 10%
Flash Codes	Up to 256 codes, field selectable or via serial communication link
Synchronisation	ASCII serial sync
Operating Temperature	-40° C to +55° C
Sunswitch Threshold	(adjustable) 30 lux to 300 lux
Timing Accuracy	Within 1%
Relative Humidity	5% - 100% non-condensing
Lampchanger Motor Current	500 milliamps at >12 volt input; 900 milliamps at < or = 12 volt input

NOTE: Specifications are subject to change.

LC-6 Ex CERTIFIED FOR APPLICATIONS IN ZONE 1 HAZARDOUS LOCATIONS



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