

LED LITEPIPE®-IV EXTENDED LIGHT SOURCE

The LED LITEPIPE® IV is an extruded clear acrylic tube, 6" in diameter, which houses the LED light source and patented optical elements. The sealed tube is lined with micro-thin clear prismatic films, which produce total internal reflection, bouncing all available light evenly around the tube.

The LITEPIPE®, being an extended light source, will substantially improve the conspicuity over point sources in harbors and along rivers in populated areas with moderate to high background lighting. As LITEPIPE® can be operated in any orientation, the conspicuity may be enhanced further by mounting obliquely to distinguish even more from background lighting. With the orientation flexibility, LITEPIPE® can be arranged to give a particular aid to navigation in a problem area its own signature.

APPLICATIONS

- Bridge Pier Markers and Center Channel Markers
- Range (Leading Light) Light systems
- Locks – side and entry Markers
- Ferry Slip Entry Markers
- Canal Side and Entry Markers

GENERAL SPECIFICATIONS

- Input Voltage :** DC – 24V
(Controller) AC – 120/240, single phase
- Power Consumption :** 27 watts per meter to LEDs
DC – 34 watts per meter from battery.
AC – 45 watts per meter from AC source
- Tube Length :** 6 meter maximum with 610 mm increments.
- Emitting Sector :** 90°, 180°, 270° or 360°
- Color Available :** White , Red, Green, Yellow, Blue
- Access :** The LED rail can be removed and replaced from the top of the LITEPIPE®

LED INTENSITY (180° Emitting)

- Red : 90 candela per meter
Green : 90 candela per meter
Yellow : 45 candela per meter
White : 100 candela per meter
Blue : 45 candela per meter

LEDs have a life of 50,000 hours before light degradation of 20% (80% of light intensity remains) at this power level.

Flashing may be required for highest intensity settings.



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