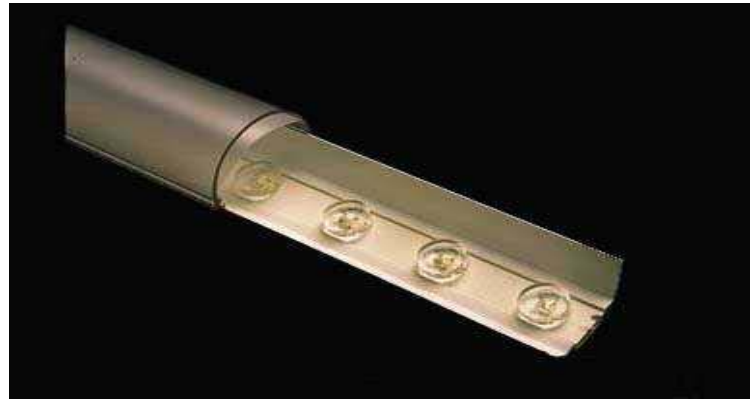
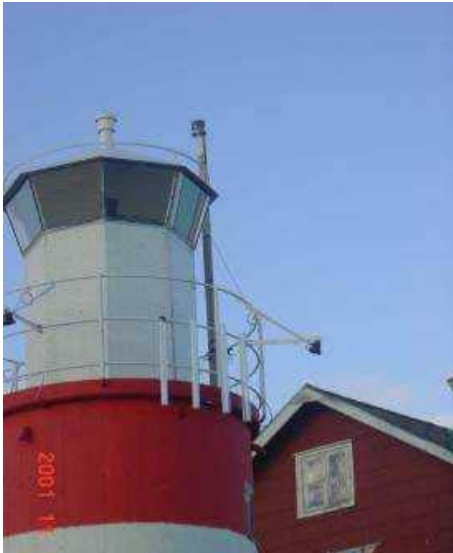


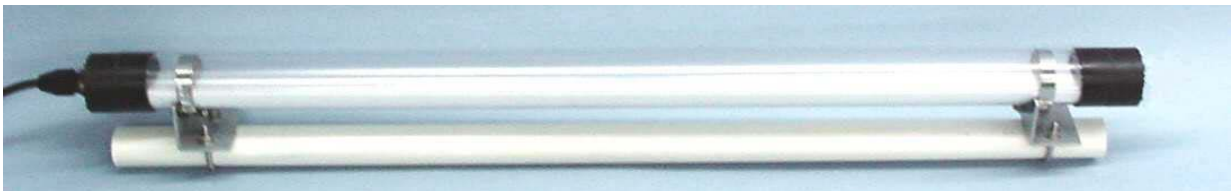
## LITEPIPE II LED ILLUMINATION SYSTEM



The LITEPIPE-II is a revolutionary and powerful LED Linear Lighting System designed and produced with patented non-Imaging optics that offer a state of the art solution for marking marine obstructions, outline bridges and helidecks and other aids to navigation applications. The LITEPIPE II is a perfect alternative to conventional neon, fluorescent, or other extended light sources. It consumes a fraction of the energy of competing lighting systems, has a long projected life, low maintenance, and has the advantage of operating at low voltages with no radio frequency interference.

It is suitable for remote locations where solar power or primary batteries may be the only power source available. Control electronics include a photocell function. They also provide the ability to flash the LITEPIPE-II to enhance signalling performance and to save Power.

The LITEPIPE II LED engines consist of high flux LED's which are moulded into a patented non-imaging optics system. The LED engines produces a nearly uniform output when mounted inside the UV stabilised durable polycarbonate tube.. The standard tube is 65mm square and can be placed at various lengths for maximum design flexibility. Various mounting brackets for flat surface or handrail installations are available. The LITEPIPE II is suitable for extended exposure in the marine environment..



| Parameters             | LITEPIPE II LED Illumination System                                     |       |      |       |       |
|------------------------|---|-------|------|-------|-------|
|                        | Red   | Amber | Blue | Green | White |
| Luminance (fl)         | 100   | 25    | 20   | 75    | 60    |
| Colour                 | 615   | 590   | 470  | 525   | White |
| Projected Life (Hours) | >50k  |       | >20k |       | >10k  |
| Power (Watts/Segment)  | 3 watts per meter (fixed burning)<br>7 Candela per meter (red or green) |       |      |       |       |
| Drive (VDC)            | 12 or 24 VDC  |       |      |       |       |
| Tube Diameter (mm)     | 65  |       |      |       |       |
| Tube Lengths (mm)      | 300, 600.1200 & 2400  |       |      |       |       |

**Pharos Marine**  **Automatic Power**

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