



LUMISPHERE MULTI LED SYSTEM

The Lumisphere Multi-LED system is a high quality fully weatherproof (IP68) system comprising a flat twin PVC insulated cable, on which moulded light units are attached at predetermined centres, providing flexible linear lighting for a variety of decorative purposes. The light source in each unit is composed of a high efficient solid state LED emitters on a specially developed gold plated PCB forming a complete wedge base light module to plug into the lampholder assembly. The high intensity emitters are specially selected and surface treated to give a maximum viewing angle. The light modules operate at extra low voltage for safety and efficiency, each light unit consuming approximately 0.2w at a maximum 12V
 Note: Cover photograph shows trees illuminated with 150 lights per tree operating at a dimmed 0.07W per unit, total load per tree equals less than 11W.

APPLICATIONS

The Multi-LED system is designed to provide a cost effective, highly efficient LED lighting system for decorative lighting applications. The quality of light and saturation of available colour makes the product ideally suited to trees and high profile buildings and structures. The efficiency of the system can prove

highly advantageous on sites where power availability is low and maintenance difficult or expensive.

POWER SOURCE

Lumisphere will advise and supply the appropriate power source to match the system requirements in each application. These will be either electronic regulated power supply units or high quality toroidal wound transformers with rectified DC output. Power sources will be housed in the appropriate IP rated enclosures for the application. The system is dimmable with the appropriate equipment.



- Lampholder** Black UV stabilised Nylon 66
- Lamp Cover** Clear UV stabilised domed moulding in polycarbonate with silicone rubber gasket
- Cable** Flat twin 1.25mmsq. stranded copper conductors. Black UV stabilised PVC sheath UL 105° C rated.
- Light source** Twin solid state LED emitters on gold plated heavy duty PCB to fit wedge base lamp holder
- Colours** The light sources are available in Red, Green, Amber, Blue and White. Some other colours (green/blue, orange etc) available special order.

LIFE Anticipated average life of LED light source is 100,000 hours subject to correct operating conditions
POWER 12VDC SELV (nominal)

ORDERING INFORMATION

Lumisphere Multi-LED systems are assembled in accordance with customers requirements. When ordering or requesting a quotation please state:

- Number of festoons. Approximate length of each
- Number of light units and distance between each. (Centres)
- Length of lead between power source and first light
- Colour requirement of light source.

Note: The LED light source is monochromatic and appears clear when unlit, systems are supplied with clear lamp covers in all cases, as colour filtering is not required.



H- 37mm, Dia. - 17mm

For quotation or further technical advise please contact Lumisphere Products Ltd

Conformity: The Lumisphere Multi-LED system complies with the relevant sections of BS EN 60598-2-2 1992 and BS EN60598-11993 for the classification IP68

Acknowledgement:

Front cover shows the Lumisphere Multi-LED system installed at the site of the BA-London Eye.

Lumisphere™ and the Lumisphere™ Logo are registered trademarks. Lumisphere products are protected by international patents and registered designs.

© 2006 Lumisphere Products Ltd



Lumisphere Products Ltd
 Hardings Lane Ingatestone Essex CM4 0HZ
 Tel: +44 (0)1277 352812
 Fax: +44 (0)1277 353966