



LUMISPHERE™ QUAD – LED FESTOON SYSTEM

GENERAL DESCRIPTION

The Lumisphere™ LED festoon is based on the Lumisphere™ low voltage lighting system and comprises of a Nylon lamp-holder, compressed onto rubber system cable fitted with a specifically designed LED light module housed with a polycarbonate globe. Seal between globe and lamp-holder achieved by use of two 'O' ring seals. For further technical information refer to Lumisphere Low Voltage Lighting Systems brochure, pages 2 & 3.

APPLICATIONS

Particularly suited to use in applications where low running costs, low maintenance levels and reduced running loads are required. E.g. Inaccessible structures such as bridges and elevated sections or limited energy resources are available such as ships and public places.

SPECIFICATIONS

Electrical Characteristics

Supply -	12VAC (nominal) SELV
Load -	0.36W per unit (@12VAC)
Env. Prot. -	IP68 (for classification dust tight/ submersible to 1 metre)
Conformance -	BS EN 60958, CE, UL, Utc

Material Specification

Lamp-holder -	UV Stabilised black nylon 66, V0 rated precision moulding in two parts with neoprene rubber gasket
Cable -	HOFER rubber cable, 2No. 3.00mm ² tinned copper conductors
Globe -	UL File No. E168888(M) Clear UV stabilised 60mm globe or A15 style polycarbonate precision injection blow moulding fitted
Contacts -	With EPDM sealing 'O' rings Bright Nickel plated hard brass

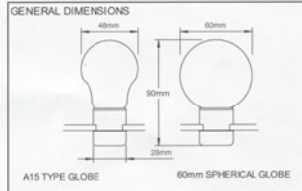
LED Light Source

The plug in light module consists of 4 high brightness Light Emitting Diodes assembled onto a high quality PCB substrate for all round light distribution. The LEDs are an ultra high quality device in a specially treated UV stable epoxy package that gives wide-angle light distribution and high intensity. Before assembly the discrete LEDs undergo a unique finishing process that improves both light distribution and heat dispersal ensuring maximum performance and longevity of the light source. The units are designed to operate at low temperature and low drive currents to ensure maximum performance characteristics and a calculated average 80,000* hour life.

Colour & Globe Options

The light modules are available in white or coloured options, currently, red, amber, green and blue and because LEDs are monochromatic they do not require coloured globes or filters. Other colours are available on request. Globes are available in clear or frosted in both the 'Classic sphere' or 'A15' style to suit all applications. For applications that require an off white source similar to regular incandescent source an amber filter globe is available.

* Contact Lumisphere technical dept, for further information



Conformity

Lumisphere™ Low Voltage Lighting system has been tested by BSI and found to comply with the relevant sections of BS EN 60598-2-2 1992 and BS EN 60598 -1 1993 for the classification IP68 dust/water tight, protected against submersion.

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