

LUMISPHERE QUAD-LED FESTOON SYSTEM



GENERAL DESCRIPTION

The Lumisphere Quad LED festoon is based on the Lumisphere Low Voltage lighting system And comprising 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 lampholder 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 1metre)
Conformance BS EN 60958 CE UL Ulc

Material Specification

Lampholder UB Stabilised black nylon 66 V0 rated precision moulding in two parts with neoprene rubber gasket
Cable HOFR rubber cable, 2No 3.00mm² tinned copper conductors. UL File No E168888(M)
Globe Clear UV stabilised 60mm globe or A15 style polycarbonate precision injection blow moulding fitted with EPDM sealing 'O' rings
Contacts Bright Nickel plated hard brass



LED Light Source

The plug in light module consists of a 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 operated 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.

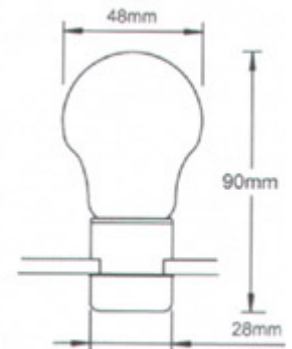
Other colours are available on request. Globes are available in clear or frosted in both the 'Classic sphere' or 'A15' style to suit all applications. For example that require and off white source similar to regular incandescent source an amber filter globe is available.

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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GENERAL DIMENSIONS



A15 TYPE GLOBE

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