

LUMISPHERE™ Low Profile Festoon Systems

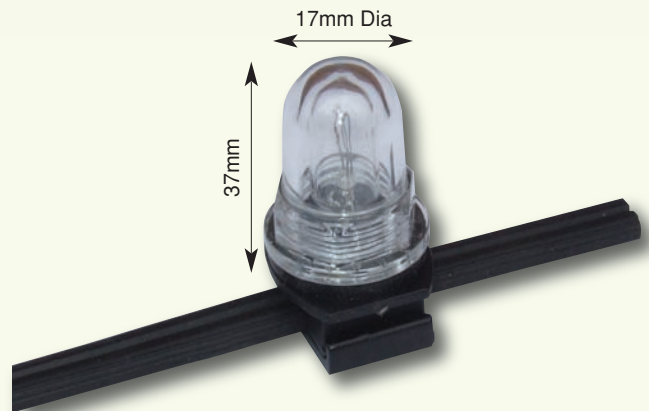
Multi-Light, Multi-LED & Multi-Prismatic Systems

Advantages

The Lumisphere™ Multilight, MultiLED and MultiPrismatic Systems are designed for where a smaller more discrete harness is required, ideal for the illumination of young to medium size trees and building profiles. They are high quality fully weather proof systems (IP68) comprising a flat twin PVC insulated cable with moulded light units attached at pre determined centres, providing a flexible lighting for a variety of decorative purposes. The Systems are particularly un-obtrusive when not in use.

Lumisphere Power Sources

There is an extensive range of Lumisphere™ weather proof transformers and LED driver units to provide a correctly matched power source to match the number of lights ensuring exceptionally long lamp life.



Applications

Coastal Promenade, Medium to Young Trees, Street and Building Decorations Signs, Theme Parks – Pubs and Restaurants Gardens, Swimming Pool Areas etc

Electrical, Safety & Flammability Specifications

Lampholder:	Black UV stabilised Nylon 66
Lamp cover:	Dome shape UV Stabilised polycarbonate moulding, screw fit with a silicone rubber gasket. Colours available, Clear, Red, Blue Green and Amber.
Cable:	Flat twin Black UV stabilised UL Style name: HPN UL File No. E56356 Heat resistance: 105 deg. C Voltage rating: 600V Insulating material: NEOPRENE HYPALON with 1.25mm ² copper stranded conductors
Conformity:	Lumisphere™ Multilight system has been tested by BSI and found to comply with the relevant sections of BS EN 60598-2-2 1992 BS EN 60598-1 1003 for the classification IP68 dust/watertight – protected against submersion.

Multi-Light



Specifications

Lamps	12V - Wedge base 3W Xenon, 12,000 hour average life 24V - Wedge base 3W Incandescent, 8,000 hour average life
Env Protection	IP 68

Multi-Light System

A high quality, fully weather-proof system comprising of a flat twin PVC insulated cable on which moulded light units are attached at pre-determined centres providing flexible lighting for a variety of decorative purposes. The lights operate at extra low voltage for safety and efficiency. The system is particularly un-obtrusive when not in use. The extensive range of Lumisphere™ weather-proof transformers which provide the power source enable the power to be correctly matched to the number of lights ensuring exceptionally long lamp life.

LUMISPHERE™ Low Profile Festoon Systems

Multi-LED System



Specifications

Supply	12VDC SELV (nominal)
Light-Source	Twin solid state LED emitters on gold plated heavy duty PCB to fit wedge base lamp holder
Env. Prot	IP68



Multi-Led System

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 highly efficient solid state LED on a specially developed gold plated PCB forming a complete wedge base light module to plug into the lamp-holder 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 of 12V.

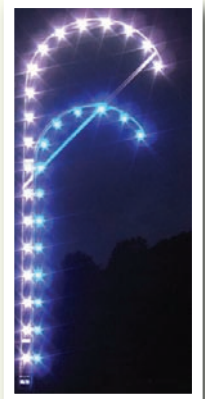
LEDs are monochromatic and do not require coloured globes or filters.

Multi-Prismatic LED Systems



Specifications

Supply	12VDC SELV
Light source	Single chip LED -0.2watts or 4 Chip LED -0.33watts
Env. Prot	IP68



Multi Prismatic LED

The Lumisphere™ Multi- Prismatic LED system is based on the Multilight festoon which is a fully weatherproof IP68 system. The moulding is formed with an inverse conical shape giving a prismatic effect, ensuring a very high visible spherical light output. These units are designed to operate at low temperature and drive currents to ensure maximum performance characteristics with a calculated average 50,000 hour life subject to correct operating conditions.

There are 2 LED light sources for this system

- Single chip LED
- 4 chip LED

These LED light modules have been specially designed to plug into the Lumisphere™ Multilight lamp holders which are protected by a screw on polycarbonate clear cover to IP68. .

Lumisphere™ Constant Voltage DC drivers units are available for both external and internal use to match the design load of the system.

The Lumisphere Multi Prismatic LED system is designed to provide a cost effective, highly efficient LED lighting system for decorative lighting applications. The quality of the light and saturation of available colour makes the product ideally suited to trees, high profile buildings and structures. Particularly suited to use in applications where low running costs, low maintenance levels and reduced electrical loads are required.