

# LUMISPHERE® Small Harness Festoon Systems

## ECO LED Systems



### ADVANTAGES

The Lumisphere® Small harness ECO LED System is 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 weatherproof systems (IP68) comprising a flat twin HPN insulated cable with moulded light units attached at specified 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® weatherproof 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, Pub and Restaurant Gardens, Swimming Pool Areas etc



#### Specifications

Supply	12VDC SELV
Dimmable	on DC only
Light source	Twin chip LED
Env. Prot	-0.2watts IP68



#### GLOBE OPTION

Round 45mm diameter, clear polycarbonate covers available for all small harness Systems.

### 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. E94325 Heat resistance: 105 deg. C Voltage
Rating:	600V Insulating material: NEOPRENE HYPALON with 1.25mm <sup>2</sup> copper stranded conductors
Conformity:	Lumisphere® small harness 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.



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.

The ECO LED light modules have been specially designed to plug into any Lumisphere small harness lampholders which are protected by a screw on polycarbonate clear cover to IP68.

The Lumisphere ECO 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.