

LUMISPHERE Lumi-Flex™ Xenon and LED Systems



Specifications

Lamp Holder	White UV stabilised Polycarbonate with a unique convex metalised Reflector on the base plane which enhances the forward illumination intensity. A range of further reflectors give further control of the light spread.	Lamp Cover	Clear or coloured Polycarbonate. Can only be used with track or lampholder clip system.
Light Sources	Xenon - 12 or 24 volt loop ended lamps clear or frosted, colours are available 5watt, 8.5watt and 10watt in 24volt (20.000r life) LED - loop ended 0.6watt Cool and Warm white only (50,00hr life)	Transformers	Lumisphere safety isolating steel cased toroidal transformers (See transformer literature for specifications) Xenon systems
Cable	White Flat twin 2.0mm core PVC sheathed 105 degree with distance markings for self assembly	Power Supply	12 or 24 volt Lumisphere range of safety isolating Electronic or toroidal transformers LED System 12 volt DC constant voltage LED drivers.

Lumi-Flex System

The Lumisphere Lumi-Flex™ is a high quality, linear lighting system comprising 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 highly efficient xenon lamps operate at extra low-voltage for safety and efficiency. Lamp holders maybe fixed using track sections, clips or self adhesive tape as required.

The extensive range of Lumisphere™ transformers and LED drivers provide a wide variety of power sources, enabling the power to be matched to the number of lights thus ensuring long lamp lifes.

Configurations

Lumi-Flex™ can be supplied in several configurations to suit a multitude of uses, and different applications, or in component form for site assembly.

Standard Lumi-Flex™

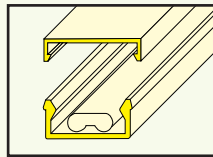
Standard flexible system to suit curves and shapes. The standard system is particularly suited to complex curved areas such as columns, bars and reception desks, outlining signs etc. The flexible cable allows attachment by cable clip or 50mm track sections enabling the system to be 'moulded' to the shape required.

Lumi-Flex™ Track System

Extruded click in track system to secure light units in linear spans. Supplied in 1 metre lengths the PVC track is designed to both secure the system and maintain straight linear light runs for applications such as coves and vaulted ceilings, balustrades etc. The track can be pinned, screwed or secured using self adhesive tape (where surface allows) simplifying installation in large areas.

Track Cover

Extruded cover section to fit in between lamp-holders enclosing the cable within the track, when required to prevent lateral movement of lamp covers.



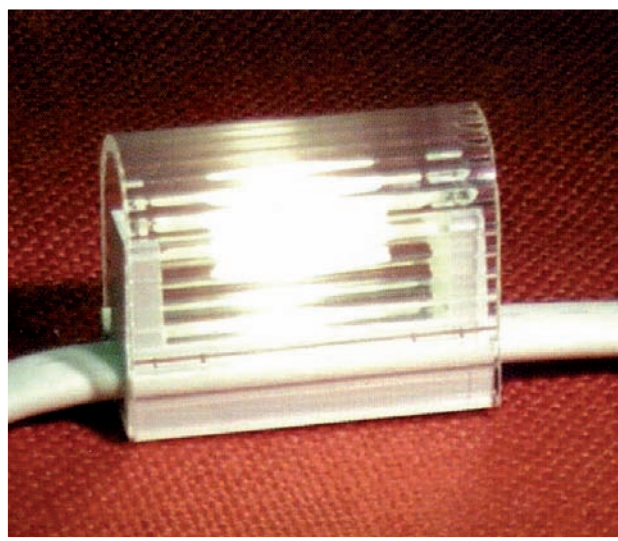
Applications

Bar, counter and reception desk edge illumination. Cove and vaulted ceiling side illumination. Recessed into product displays and point of sale equipment. Edge lighting of wall features, signs and unusual shaped voids. Retro-fit installation to replace indirect cold cathode, fluorescent and neon applications.

Lamp Covers

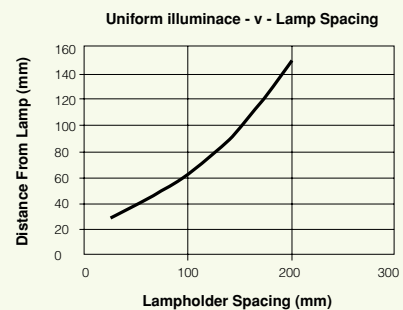
Lamp covers are available in order to protect the lamp from damage and prevent contact with the lamp where the system is located in accessible areas.

The cover clips onto the track system, therefore either the linear 1 metre track or 50mm lamp-holder clips need to be used in conjunction with the covers.



Lamp-Holder Spacing

The system can be assembled with lamps at varying centres to suit the application, light level and uniformity required, as a general guide the graph below indicates the centres at which lamp-holders would have to be placed in order to achieve near uniform projected illumination on the receiving surface. The actual results will depend greatly on the material surface, positioning and angle at which lamp-holders are placed, lamp wattage and any obstructions in place. For these reasons this chart should be used as a guide only. We recommend the use of trial sections in the actual application for a true assessment of a particular lamp spacing.

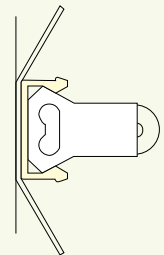


Reflectors

Custom made reflectors can be supplied in polished stainless steel or aluminium in standard or specified designs to the architectural requirements.

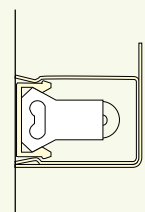
Standard Reflector

316L mirror polished stainless steel back reflector system to project light forward and increase width of lamp image when viewed from front.



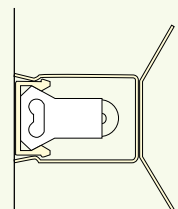
Discrete Uplighter/Downlighter

3 quarter closed mirror polished stainless steel reflector system to obscure view of lamps and provide unobstructive linear up-lighting/down-lighting and edge lighting. Clips directly to track system and is removable for easy lamp replacement.



Bi-Directional Wall-Washer

Closed front mirror polished stainless steel reflector system to provide wash effects both sides of track system whilst obscuring direct view of light sources. Clips directly to track system and is removable for easy lamp replacement.



LumiFlex continued

Ordering

The system can be ordered either as components for self assembly or ready assembled for installation. When assembling on-site care should be taken to ensure the current flow in individual runs does not exceed 15A, i.e. 36 No. 5W lamps or 21 No. 8.5W lamps for the 12V system and 72 No. 5W lamps, 42 No. 8.5W or 36 No. 10W lamps for the 24V system. Up to 300LED light modules at a nominal 12volts DC maybe used, making the LED light option ideal for long runs. In all cases it is important to match the load to the power source in order to prevent overload or reduction in lamp life.

For further details on ordering complete systems or components parts contact sales.

