



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.

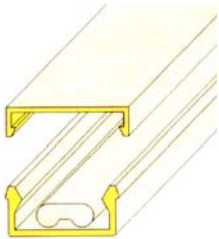
STANDARD LUMI-FLEX

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.

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LUMI-FLEX TRACK SYSTEM

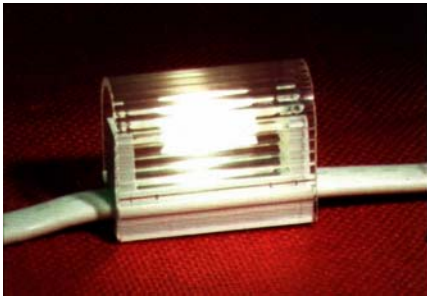
Extruded click in track system to secure light units in linear spans. Supplied in 1 metre lengths the PVC track is designed to both secure the system and maintain straight linear light runs for applications such as coves and vaulted ceilings, balustrades etc. The track can be pinned, screwed or secured 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 the lamp covers.



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.

12 & 24V SYSTEMS

There are two supply voltages available for the Lumi-flex system to suit the many varied applications of the product. The 12v system is best suited to applications where transformers are difficult to conceal and in small area installations. The 24V system is ideal for large areas where long cable runs need to be accommodated and transformers can be easily located.

TECHNICAL SPECIFICATIONS

Lamp holder

White UV stabilised Polycarbonate
12V 5 and 8.5W 24V 5, 8.5 & 10W
Xenon loop ended lamp. Clear or frosted glass.

Lamp

20,000 hour expected average life
Flat twin 2.00mm copper conductors.

Cable

Light distance markings for easier assembly. White 105 rated PVC sheath

Lamp Cover

Clear or coloured polycarbonate (can only be used with track or lamp holder clip system)

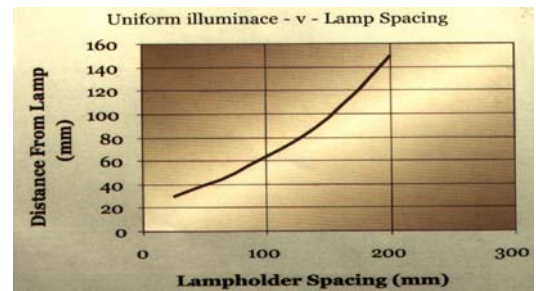
Track System Transformers

Extruded White PVC
12v system: Lumisphere safety isolating electronic transformers. 24v: Lumisphere safety isolating steel cased toroidal transformers (see transformer literature for specifications)

LAMPHOLDER 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 indicated 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 and we recommend the use of trial sections in the actual application for a true assessment of a particular lamp spacing.

PRODUCT FEATURES



Easy Assembly

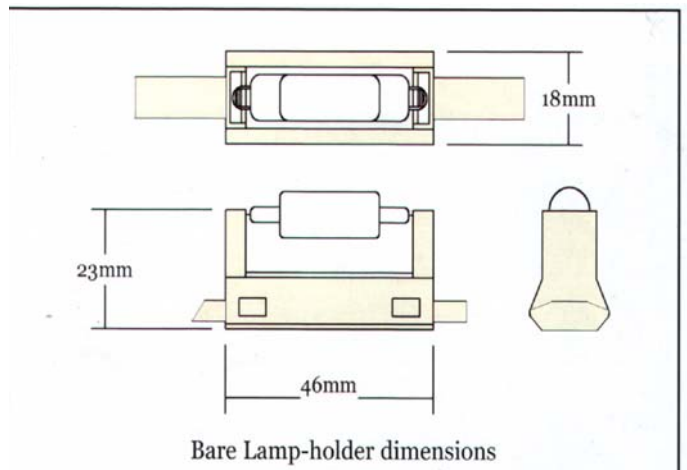
Simple snap together assembly with insulation piercing contacts enables easy on-site assembly or alternatively supplied ready assembled to order.

Fixings

Standard flexible or optional track system gives flexibility in all applications.

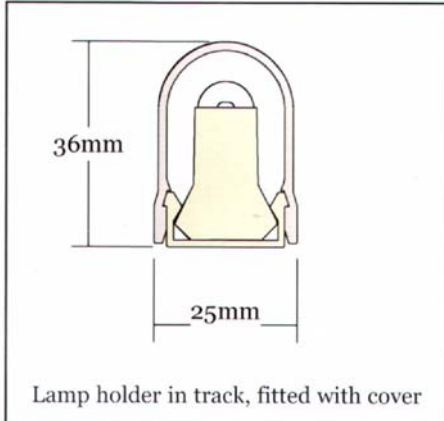
Lamp Options

Lamp options of 5W and 8.5w in 12V & 5W, 8.5W & 10W in 24V versions with clear or frosted glass allows control of light output and spread of luminance.



Lampholder

Unique lamp holder with convex metalised reflector on base plane of lamp holder moulding gives superior forward luminous intensity. The range of optional reflectors gives further control of light spread.



APPLICATIONS

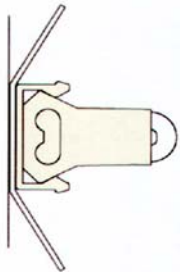
Bar, Counter and reception desk edge illumination. Cover and vaulted ceiling side illumination. Recessed into product displays and point of sale equipment. Edge lighting of wall features, signs and unusual shaped voids. Retro fit installation to

replace indirect cold cathode fluorescent and neon applications.

ORDERING

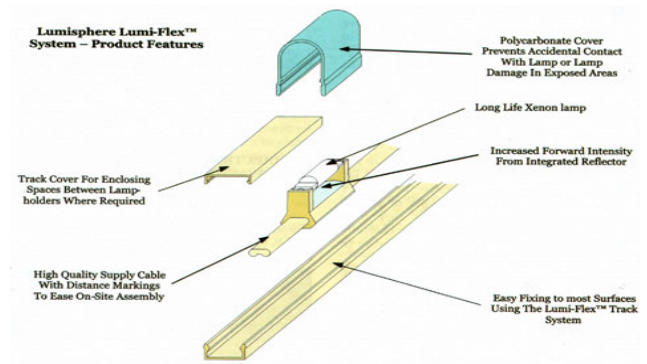
The system can be ordered either as components for self assembly or ready assembled for installation. When assembling on-site care should be taken to ensure the current flow in individual runs does not exceed 15A, ie 36No 5W lamps 21No 8.5w lamps for the 12v system and: 72No 5w lamps, 42No 8.5w , or 36No 10w lamps for the 24v system.

In any case it is important to ensure transformer loads are carefully matched to the capability of the transformer in order to prevent overload or reduction in lamp life. See current price lists for further details on ordering complete systems or component parts.



REFLECTORS

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



For quotation or further technical advise please contact Lumisphere Products Ltd



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