

Step, Furniture and Display lighting

Things to Know

Step/guidance lighting

Is great as it provides soft non-glare light for general access areas within a home or public building. Place along walkways, hallways and stairways. As a general rule of thumb place step lighting every 3-4 treads. LED and Fluorescent models have the added benefit of running cooler, making a safer environment for children and pets.

Furniture and cabinet lighting

Kitchen cabinet lighting makes finding utensils and other items easier and can create a feature by backlighting glass doors and splash backs. Under cabinet lighting ensures there is adequate lighting on the kitchen bench for easy and safe preparation of food. PIR electronic switches are available and perfect for use in the kitchen, use a "no touch PIR switch" (SSW-ONOFF) for under cabinet lighting, simply wave your hand across the sensor to turn lights on and off great for when you have sticky

hands. For in cupboards a "proximity switch" (SSW-PROX) is available, this will turn cabinet lights "on" instantly when the cupboard door is opened and "off" again when shut.

Display lighting

CLED LED merchandise lighting is the perfect alternative to the bulky fibre optic systems, they are bright creating high contrast and easy to install. This system runs on a constant current power supply which gives higher illuminance from this LED technology and is ideally suited to merchandise displays.

The LSI halogen display lighting series has a range of temporary and permanent options. Mount on top of retail shelving and direct at product displays or mount onto partition boards at trade shows to highlight signage etc. Easy to adjust, tiltable, flexible and expandable options are available.



Product Featured:
SVULED-02-SC, SDF95, SD125F

LED LIGHTING

While in principle LED technology seems easy, safe, cool running and long lasting, in reality they can be complex due to the many ways in which this new technology is offered. There are various operating systems, LED Products and replacement lamps incorporate varying levels of ECG.



LED PRODUCTS

- Currently most LED products that are offered do not have lamp replacement capabilities.
- It is important to check the labelling for the type of power supply recommended.
 1. "Direct current" - constant voltage e.g. 12 v DC
 2. "Direct Current" - constant current e.g. 350mA
 3. Alternating Current, 230-240v 50Hz, mains supply
 4. Constant extra low voltage, electromagnetic e.g. 12v, 50Hz (wire wound halogen transformer)
 5. Constant extra low voltage, electronic control gear. e.g. 12v, 30,000Hz, (electronic halogen transformer)

Considerations and Cautions

- Contributing issues for LED lighting can be inductive loads in the lighting circuit, dimming and other controls.
- LED lamps experience an initial lumens depreciation then are reasonably stable over a long life, however they are very sensitive to ambient temperature, more so than other lighting technologies.
- If LED strips are installed in a confined space, mounting on a aluminium strip will improve life.
- Incorrect wiring of LED's can result in irreparable damage to the LED and power supply.
- Constant current, Series wired, LED's must not be switched or connected / disconnected on the E.LV side of the power supply when power is on as this will create failure or a short LED life.
- LED performance and stability is very sensitive to their power supply arrangement.
- Exact colour temperature of LED's cannot be guaranteed, and split orders should be avoided.
- LED lamps are very efficient but due to their extra cost are usually chosen for other reasons.
 - * Small size * Cool running * Long life for difficult access areas * Robust to vibration.
 - * Safe ELV * Don't emit UV or IR

