

## LL-W-V

# Internal Wall Mounted Light Level Sensor



### Features:

- 0-10Vdc output
- Corner or flat wall mounted
- 24Vac/dc powered

### Benefit:

- Energy saving by dimming light ballast

## Technical Overview

The LL-W-V is a light level transmitter designed for use in the active control of artificial lighting, both to optimise light levels and to achieve maximum energy efficiency.

The LL-W-V transmitter uses a photo-diode cell to detect light levels in the 10-2000 lux range, providing a linear 0-10Vdc output signal.

The LL-W-V is designed to be wall mounted for the measurement of all types of light levels.

## Specification:

## Part Codes:

Sensor reference	Photo-diode
Accuracy	±5% across range
Field of view	90°
Coverage	21 metres (19.69ft) max.
Light range	10 - 2000 Lux
Supply Voltage	24Vac/dc
Dimensions	See Page 3
Installation height	2-3m (6.5 -9.84ft) above the floor
Ambient	
Temperature	-10 to +40°C (14 to 104°F)
Humidity	90%RH non-condensing
Material	Flame retardant ABS, polypropylene
Protection	IP30
Country of origin	China

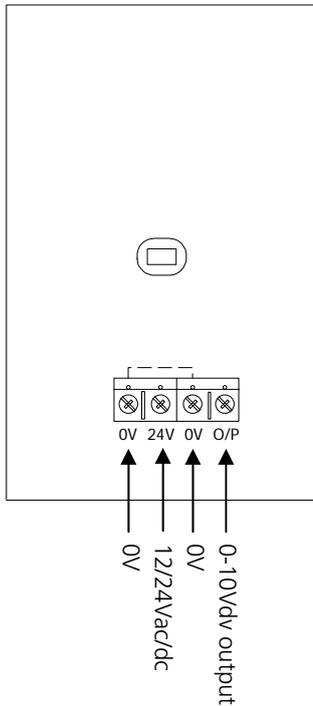
### LL-W-V

Internal Wall Mounted Light Level Sensor

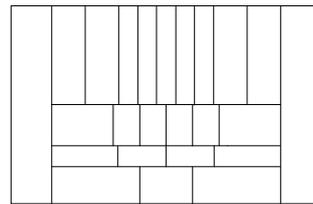


The products referred to in this data sheet meet the requirements of EU Directive 2004/108/EC

## Installation & connections:



- Avoid direct sunlight entering the sensor.
- Do not site within 1m of forced air heating or ventilation.
- Do not site within 1m of any lighting.
- Do not fix to a vibrating surface.



Lens Patten

## Mounting:

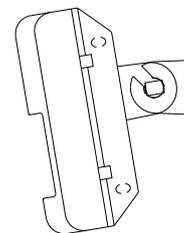
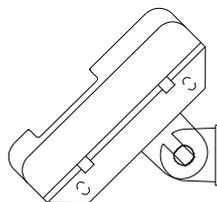
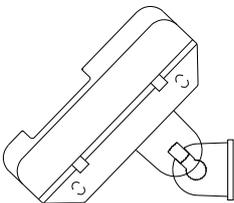
### Bracket Mounting

The recommended fixing of the LL-W-V to a flat wall or corner is using the bracket included with the unit. The bracket is secured using screws (not supplied) and then the housing is simply attached as shown in the diagram below.

The wall bracket must be fitted with the opening pointing upwards.

Align the bracket opening with the LL-W-V housing.

Adjust, as required.

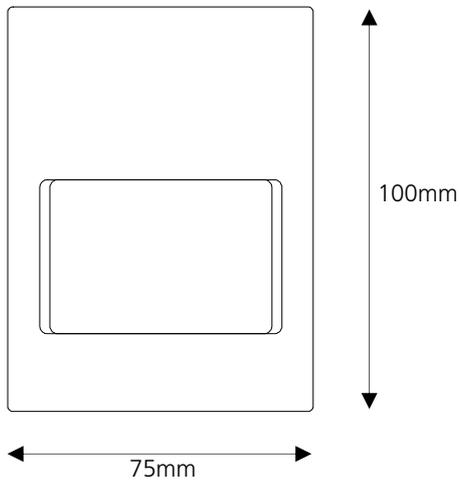


### Direct Mounting

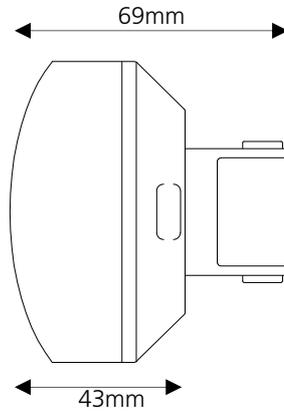
Direct mounting to either a corner or flat wall is achieved using knock-out's in the back cover. The front cover is removed by unclipping it which will reveal a number of knockouts on the rear part of the enclosure. These are simply punched or drilled out and the rear section is then fixed directly to the surface. The front cover can then be clipped back into place.

## Dimensions:

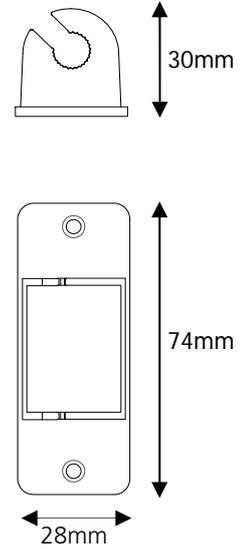
Front:



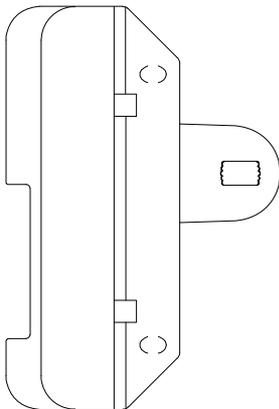
Top:



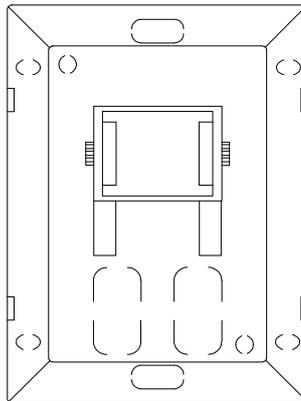
Wall bracket:



Side:



Back plate



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