

LL-SC

Internal light level transmitter ceiling mount

Technical Overview

The **LL-SC** 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-SC** 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-SC** is designed to be ceiling mounted for the measurement of all types of light levels.

Features

- Flush or surface mount options.
- 24Vac/dc supply
- 0-10Vdc output

Specification

Sensor reference
Accuracy
Field of view
Coverage
Light range:
Supply voltage
Dimensions
Temperature
Humidity
Material
Conformity
Country of Origin

Photo-diode ±5% across range 360° 7 metres max. 10 - 2000 Lux 24Vac/dc See Page 2 -10 to +40C 90%RH non-condensing Flame retardant ABS, polypropylene EMC, LVD, CE Marked UK



Product Codes

LL-SC/V

Ceiling light level sensor 0-10Vdc, output flush mount

LL-SC/V/S

Ceiling light level sensor 0-10Vdc, output surface mount

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Whilst every effort has been made to ensure the accuracy of this specification, Sontay cannot accept responsibility for damage, injury, loss or expense resulting from errors or omissions. In the interest of technical improvement, this specification may be altered without notice. 90800066 Issue 1



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Installation

- 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.

Flush Mounting

Flush mounting is achieved using the plastic bracket and clips provided. The **LL-SC** should be installed in a ceiling tile through a 64mm hole. Ensure that the ceiling tile is of suitable material to support the weight of the unit and that there is sufficient clearance above the ceiling. No access is required to the ceiling void, other than for wiring.

Surface Mounting

Surface mounting is effected using the optional surface back box. Side knockouts are provided for cable entry. Fixing lugs allow mounting to BESA boxes or metal boxes. Optional security screws can be fitted to prevent removal.

Connections

24V = Supply 0v = Gnd O/P = 0-10Vdc output

Dimensions

Main Housing:



Surface Back Box:



International Tel: +44 1732 861225 UK Sales Tel: 0845 345 7253 64mm

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Dimensions (continued)

Flush Mounting Bracket:



Trend scaling

10-2000 Lux:	
Trange	2000
Brange	-2975
Upper	2000
Lower	10
Exp	4