

PE1C

Internal Recessed Ceiling Mounted Photocell

Key Features

- Photocell used to determine light level in an interior space
- 0-1200 lux at the working plane
- Compact 47mm Diameter size for recessed installation in Chilled Beam and In fill Plate application
- Used within an iLight lighting control system
- External version also available (PE1EXT)
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2008 standards

Environmental Data

Climate Range (IP20)

Temperature: +2°C to +40°C

Humidity: +5 to 95% non condensing

Electrical Data

Supply: 12Vdc
(via iLight UIM interface unit)

Power consumption: 0.1mA

Overview

This unit is a internal ceiling mounted 'look down' Photo-diode Sensor designed for measuring light level. Used as an input device to iLight networks, ambient light levels can be controlled by dimming and switching artificial lighting when needed to save energy. Used with an iLight UIM (Mini Universal Interface), iCANsoft may be programmed to control threshold lighting levels and instigate network commands. Multiple light level commands are also possible, consult iLight for detailed system design.

An external photocell is also available (PE1EXT) where the measurement of exterior light levels is required. It is the same specification as the internal unit but mounted in an IP65 housing.

Mounting

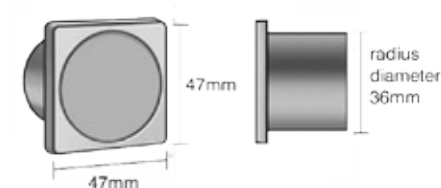
38mm diameter hole through the ceiling tile and then retained using the metal clip supplied. It can also be fitted by using a surface adaptor box which is available from iLight. External sensor supplied with own mounting bracket.

This unit is hard wired and supplied with a 1m trailing cable

Recommended maximum cable length between UIM and sensor: 10m (Screened)



Dimensions



Location

The sensor should be mounted on a rigid surface a suitable distance away from any light fittings'

Contact your local Eaton office

20 Greenhill Crescent, Watford Business Park,

Watford, Herts, WD18 8JA. UK

T: +44 (0)1923 495496 F: +44 (0)1923 228796

E: enquiries@iLight.co.uk www.iLight.co.uk



Powering Business Worldwide

Eaton Industries Manufacturing GmbH
Electrical Sector EMEA
Route de la Longeraie
71110 Morges, Switzerland
Eaton.eu

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