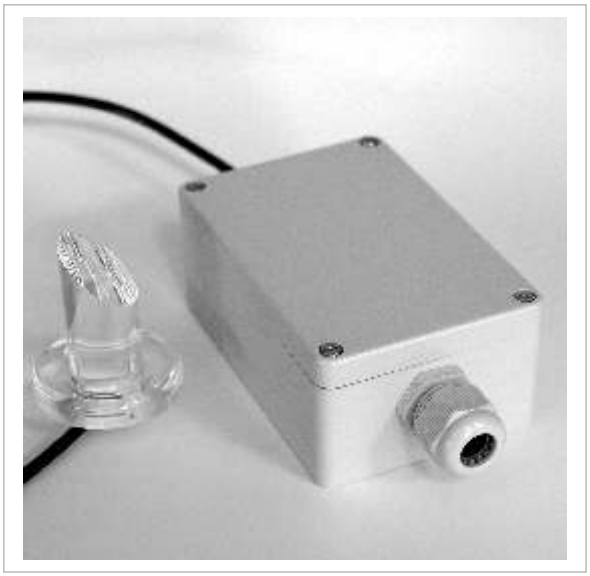
LCN-LSI

Light Sensor in a case with a Probe



Description:

The LCN-LSI is an interior design light sensor. It records light measured values from 10Lx (dusk) up to 100.000Lx (daylight)

The sensor logrithmically calculates the measured values and so reaches a remarkably wide measuring range of four decades.

The evaluation unit together with bus module are integrated into the protective case (IP 65). It can therefore be directly installed in susspended cielings.

Hardware equipment:

Design Light Probe

LCN UPP Module in the IP 65 housing

Free I-Port socket for further peripherals

Fields of application:

With the LCN-LSI the brightness level in a room can be captured and processed.

The measured value is used for single room light control, including positioning of the shading. This enables energy saving while still having the desired lighting level.

Note:

The installation location of the light sensor decisively influences the measured value, artificial light components as well as daylight ones are to be recorded.

As the LCN-UPP is included in the case, further peripheries can be connected.

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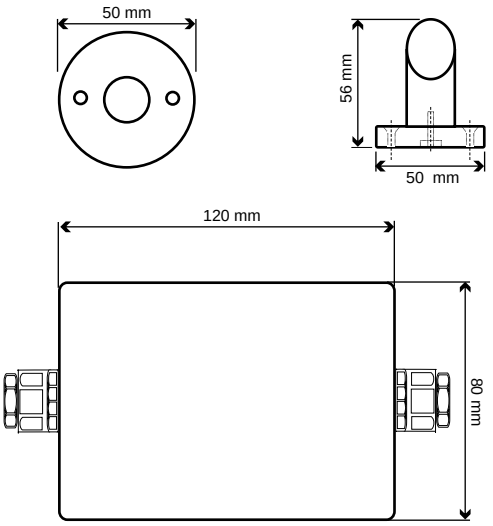
Measurements:

Dimensions

Case (L x W x H):	120 mm x 80 mm x 50 mm
Light Sensor (Ø X H):	50 mm x 56 mm
Supply Cable Length to the light sensor:	100cm



Technical Data:

Sensor:

Record range:	10Lx to 100.000Lx
Resolution:	10 Bit
Characteristic:	Logarithmic

Sensor connection:

Wiring option:	screwless
Conductor type:	massive or multi-phase (max.0,5mm^2) or with Insulated pin terminals (max.0,5mm^2)
Connection length of the sensor cable:	max. 100 m with shielded cable (works-tuned up to 50m)

General Details:

Operating temperature: Humidity:	-10°C to +40°C
Environmental conditions:	max. 80% rel., no condensation stationary installation according to VDE 632, VDE 637
Safety classification:	IP 20

Assembly:

Case:	screw fixture
Light Sensor :	screw fixture

Circuit Diagram