

LSD

Czujnik (światło) przybud.

Nr art. 20731906

Light sensor (ceiling mounted) used to capture the amount of daylight in the room.

Zastosowanie

The LSD light sensor measures the daylight entering the room through the window. Daylight controls (DSI-TLC, DSI-TLE, LM-2TI and LM-TLS) use these values for the control of the room lighting; the sensor input (LM-3ILS) makes them available via the LUXMATE bus.

Wskazówki dotyczące planowania

- The light sensor is exclusively designed to measure the daylight in the room. The proper functioning of the daylight-based control depends essentially on the correct positioning of the sensor:
 - The sensor opening must face the source of the daylight (window).
 - Please ensure that no artificial light or direct sunlight reaches the sensor.
 - The distance between sensor and window may not exceed the height of the window: $c < a$
 - Mount the sensor in front of the centre of the window; ensure that the distance between sensor and window does not exceed the window width: $c < b$.
 - If the window lintel height clearly exceeds one sixth of the sensor distance, the sensor must be mounted at an angle or set off from the wall.
 - Avoid large-scale shading of the sensor's angle of view, e.g. by window cross bars, large window lintel heights, or luminaire housings located in front of the sensor. The maximum permissible shading is 15%.
 - For special situations and geometries, or if you have concerns about positioning the sensor, please contact your sales office.
- If, on account of awkward room geometry (windows too narrow or obstructed, shadowed ceiling, window lintels too high, etc.), the daylight reaching the sensor is not sufficient for the programming of a daylight system point (see daylight-based control module), the sensor can be switched to a higher sensitivity: to do this, move the internal slide switch to the right next to the terminal for the sensor line from the bottom position "5000" to the top position "1000". Use this configuration only if a problem as described above occurs.
- An LED is integrated into the sensor eye. It lights up when the momentary action switch in the housing cover is pressed, provided that the sensor is correctly connected to the evaluating device.

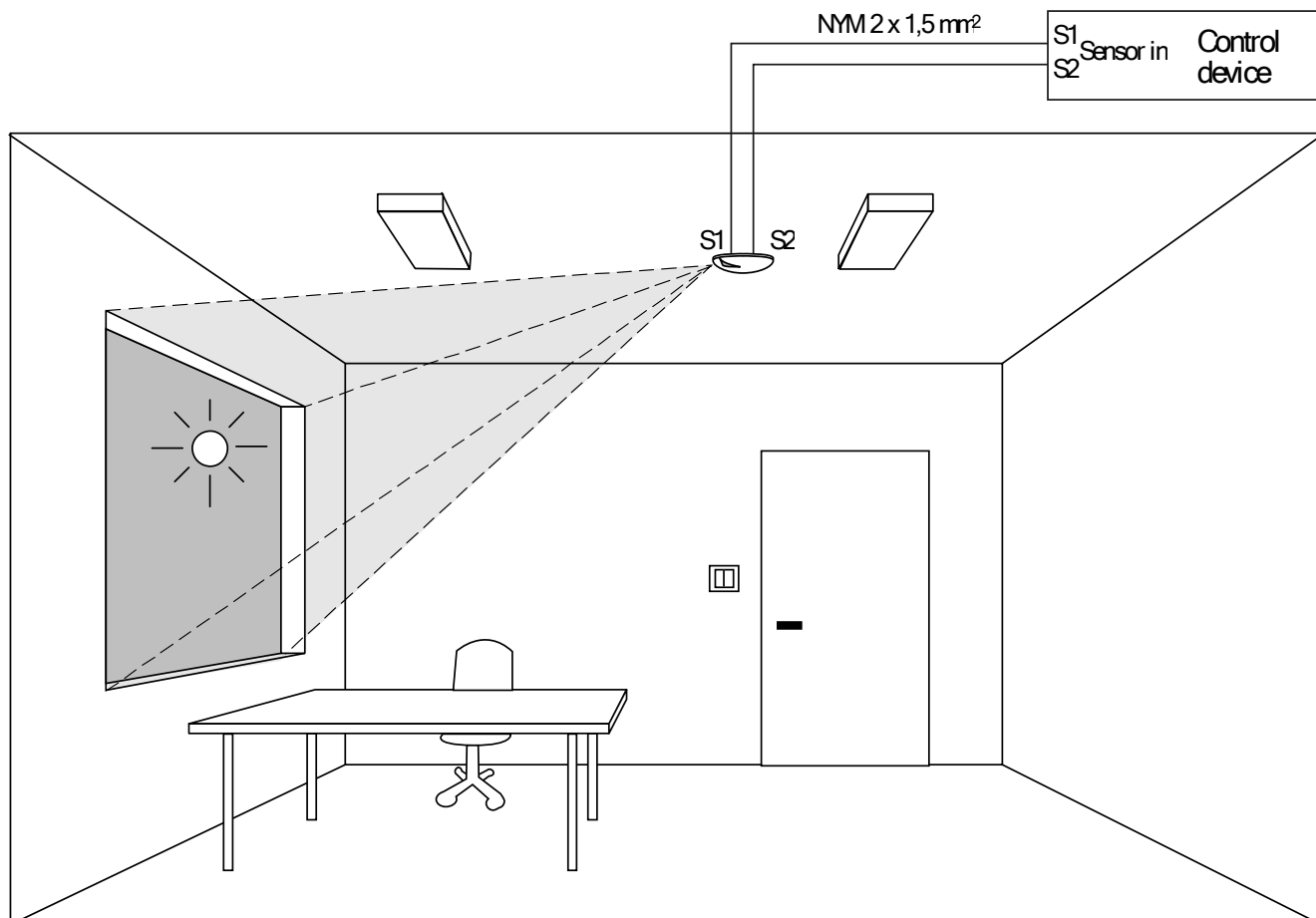


Opis działania

see daylight-dependent control systems DSI-TLC, DSI-TLE, LM-2TL, LM-TLS and LM-4ILS sensor input

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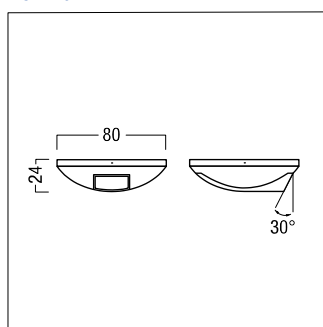
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Wskazówki dotyczące montażu i instalacji

- A two-core cable (0.75...1.5mm²) is used as sensor for the daylight-dependent control module. The maximum permissible length depends on the control device; please refer to the relevant data sheet.
- The distance between two drilling holes in the mounting plate of the LSD designed for mounting to the ceiling is 60mm.

Rozmiar



Dane techniczne

Napięcie znamionowe	15 V DC (dostarczane przez 2-żyłowe okablowanie pomiarowe)
Terminale	0,75 - 1,5 mm²
{failed}	IP20
Klasa ochronności	
Materiał obudowy	plastik
Instalacja	
Wymiary	Średnica 80 mm, wysokość 24 mm
Dopuszczalna temperatura otoczenia Ta	0 °C ... + 50 °C
Weight	Ok. 0.07 kg
{failed}	Możliwość przełączania czułości pomiędzy 0 – 5000 lx a 0 – 1000 lx

Tabliczka znamionowa/podłączenia

