

ED-EYE

Light sensor, surface-mount

Art. no. 22154682

DALI light sensor (ceiling-mounted) for detecting the daylight entering the room

Application

The ED-EYE DALI-light sensor measures the daylight coming into the room through the window. LUXMATE lighting management uses this value to control the room lighting.

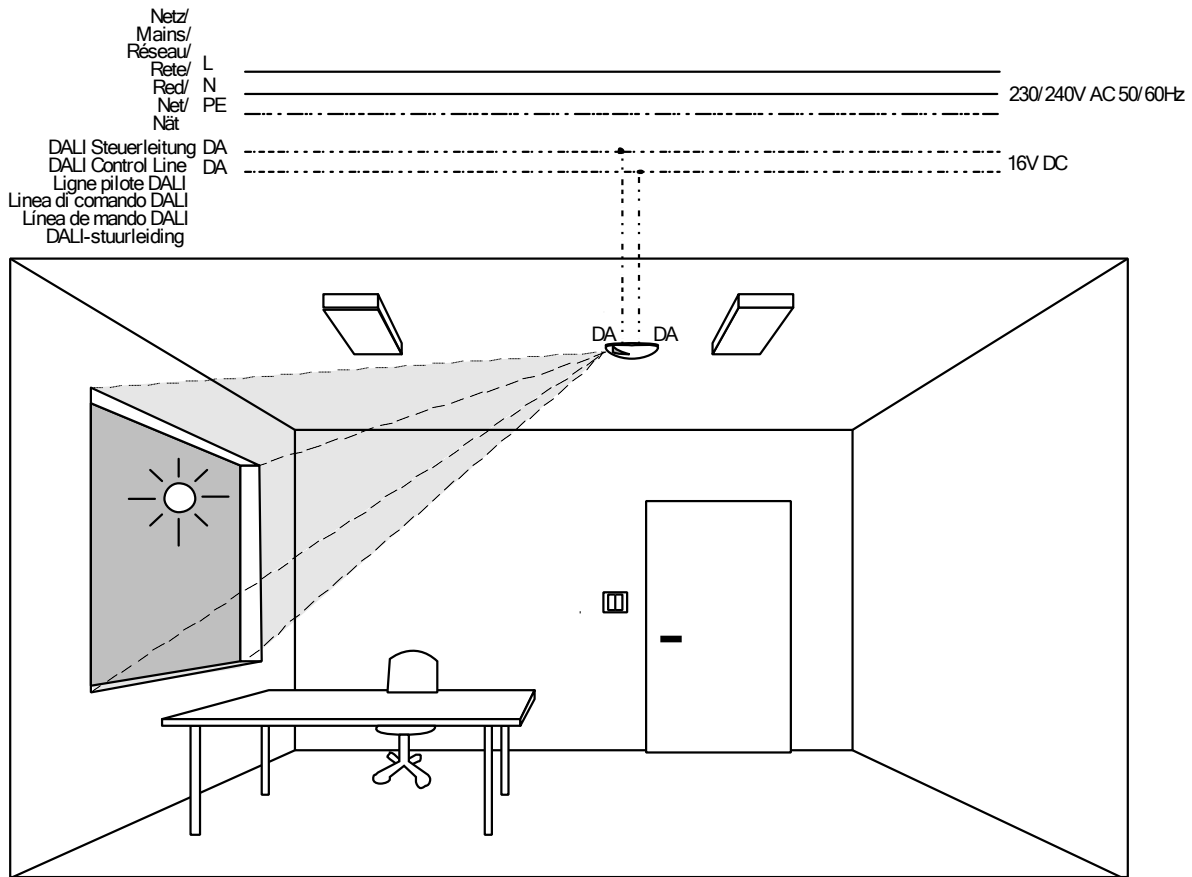
Design notes

The light sensor can only be used in combination with appropriate LUXMATE control modules.

- The light sensor is used solely for detecting the daylight component in the room; it is crucial to position the sensor correctly for the daylight-dependent lighting control system to work properly.
 - The sensor aperture must be directed with an unobstructed view towards the daylight (window).
 - Ensure that the sensor receives neither artificial light nor direct sunlight.
 - Place the sensor no further from the window than the window height: $c < a$
 - Install the sensor in front of the centre of the window; the distance between the sensor and the window must not exceed the window width: $c < b$.
 - If the lintel height is significantly greater than 1/6 of the sensor distance, the sensor must be suspended or installed at an angle.
 - Avoid any significant shadowing of the sensor viewing angle, e.g. by crossbars, large lintels or luminaire bodies in front of the sensor. Shadowing of up to 15% is acceptable.
 - Please contact your sales office if you cannot achieve these installation conditions or if you have any questions on positioning the sensor.
- Current consumption equivalent to 2 DALI loads (4mA)



Wiring scheme



Mounting and installation instructions

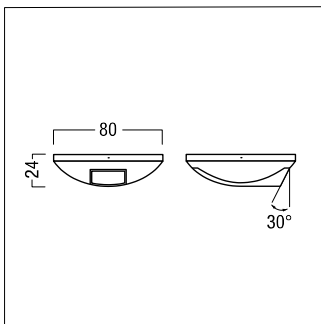
We recommend using standard installation parts (2 x 0.75mm² - 2 x 1.5mm², NYM).

- The two DALI control lines are interchangeable.
- The light-sensor eye has a built-in LED, which is illuminated when the momentary-action switch on the case cover is pressed and there is a connection to the DALI control line.

Technical data

Inputs	1 DALI control wiring, 4mA current consumption (2 DALI loads)
DALI signal	16 V clocked (Manchester code)
Terminals	0,5-1,5 mm ²
Housing material	plastic, halogen-free
Installation	screw-fixed on the ceiling
Dimensions	80 mm diameter, 24 mm height
Permitted ambient temperature	0 °C ... +50 °C
Weight	Approx. 0.3 kg
Protection type	IP20
Miscellaneous	Spectral behaviour: spectral sensitivity adapted to the human eye with built-in colour correction filter

Dimension



Label/connections

