



MicroLuxSense

Ambient Light Sensor I-10V
LRL1222

The MicroLuxSense LRL1222 sensor automatically regulates electric lighting in a space based on available daylight.

MicroLuxSense is a simple and easy to design-in daylight regulation device (DLR) for luminaires equipped with a Philips 0-10V dimming ballasts & driver for a variety of technologies including LED. The sensor dims down the lamp output when the light level exceeds the required light level defined by the light sensor set point. The energy saving is proportional to the light reduction.

The sensor arrives ready to be installed. It comes in a standard preset configuration so no complex commissioning is required. Its versatile design allows it to be installed in the luminaire either mounted between the louvers or recessed in the housing.

Features

- **Application:** Suitable for private offices, meeting and conference rooms, classrooms, break areas and smaller open office area. Anywhere with ample amounts of ambient daylight.
- **Flexible:** Can regulate up to 20 fixtures in continuous rows or multiple fixture in the daylight area.
- **Ambient Light Recognition:** Integrated photocell automatically dims and brightens the electric lights to maintain the preset level.
- **Low Profile Design:** Allows for seamless integration into any application without distraction.
- **Fast Simple Installation:** No need for complex commissioning.

Job Information	Device Type #: _____
Job Name: _____	
Cat. No.: _____	
Notes: _____	

PHILIPS

Ambient Light Sensor 0-10V (LRL1222)

Connection: 20 AWG, flying leads, 27 inches in length

Operating Current Sink 100µA-3mA (sufficient for 20 Philips Advance Mark 7 0-10V, EssentiaLine 0-10V ballasts)

Max Input Voltage	15 Vdc (maximum rating)
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Max. Current Sink	50 mA (maximum rating)
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Preferred Daylight Sensor Placement: 0.75' x height

Color Coding of Cable: Purple +
Gray -

(connecting wires in the reverse will result in minimal light output)

Bottom Part Ultra Dark Gray (RAL 7024)

Cover Part	Light Grey (RAL 7035)
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Diagram illustrating a ballast driver circuit. The circuit includes a component labeled **LRL1655** connected to a **Ballast or Driver** unit. The **Ballast or Driver** unit has two input lines labeled **Purple** and **Gray**, and a line from the **LRL1655** component. The output of the **Ballast or Driver** unit is connected to a box labeled **Line voltage controlled by separate device.**

*Subject to change without notice.

LRLI222CMP
Includes Ceiling Mount Plate



LCA800 I
Trim Bezel



LCA8002 – T5 Lamp Clip
LCA8003 – T8 Lamp Clip

Part Number	Description
LRM1222	Daylight Sensor
LRL1222CMP	Daylight Sensor in Ceiling Mount Plate
LCA8001	Ring for cover set of 100 Pieces
LCA8002	Clip T5 set 50 Pieces
LCA8003	Clip T8 set 50 Pieces



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