

TECHNICAL DATA

INSTALLED SENSOR OPTION

DSPL–DAYLIGHT SENSOR, PHILIPS LUXSENSE

Requires Mark 7 Dimming Ballast, 0-10v • Up to 32% Potential Energy Savings



Shown installed in Curv Radial Lens at left.

For specific in-product placement in other Alera Lighting products, see individual product specification and/or technical data sheets. For special placement requests, contact Alera Lighting.



CLOSED LOOP OPERATION

SENSOR MANUFACTURER DATA

LuxSense Commissioning

- Measure the light level under each LuxSense sensor with no or negligible daylight contribution
 - Light meter required
- If needed, turn the sensor until the required light level is reached (with no or negligible daylight contribution)
- Duplicate this in other rooms when similar daylight and reflectance conditions exist
- Note that Philips LuxSense is not designed for maintaining a constant light level
- **Warning:** The reduced light level should be no more than 30% lower than the average installed light level, without daylight contributions (example: 55fc installed, adjustment down to 39fc is possible)

Optical Characteristics

- It is assumed that the reflection in a room is such that a light level of 45fc on a table (2.6' high) will result in 2.3fc seen by the controller at 8' under a viewing angle of 45°; the opening angle can be adapted by the sensor ring control, realizing an adjustment factor between 1/3 and 3.

Controls Characteristics

- LuxSense compensates approximately for 50% of the added light (simulated and measured with a fluorescent light source). See graph at left below. In case of a natural light source, the compensation is higher than 50%.

To adjust light level setting, twist sensor as indicated by arrow and seen below.

