

Aesthetic – Subtle integration in virtually all standard Ledalite suspended and recessed luminaires

Simple to specify – As easy as designing with any 1cct fixture; planning tools available at [www.ledalite.com](http://www.ledalite.com)

Easy to install – No additional wiring or power packs required; fixture only requires AC power

Virtually no commissioning – Factory pre-calibrated for typical applications; easy onsite adjustment if required

Energy savings – 30 - 35% energy savings potential in window-adjacent locations

## Sensor Specifications

### Ballast Control

Electronic dimming ballast using 0-10VDC control signal. Can control up to 20 dimming ballasts in recessed luminaires.

### Operating Voltage

+1.5V to +10.5V control input to ballast. Control voltage variation is less than 0.5V.

### Dimming Performance

Sensor compensates for approximately 50% of additional daylight by dimming the luminaire until the minimum light output at 1.5V is reached. Light output at 1.5V may vary depending on ballast used.

### Calibration

Factory calibrated to a set-point of 45 footcandles (fc), adjustable by 1/3 to 3 times the default setting by rotating the aperture.

### Optical Characteristics

Assuming standard room reflectances (80/50/20), a light level of 45fc on a work surface 2'-6" high will result in approximately 2.5fc seen by the photosensor at 8' under a viewing angle of 45°.

### Environmental Conditions

Ambient temperature 41 - 131°F (5 - 55°C). Relative humidity 15 - 90%.

### Replacement

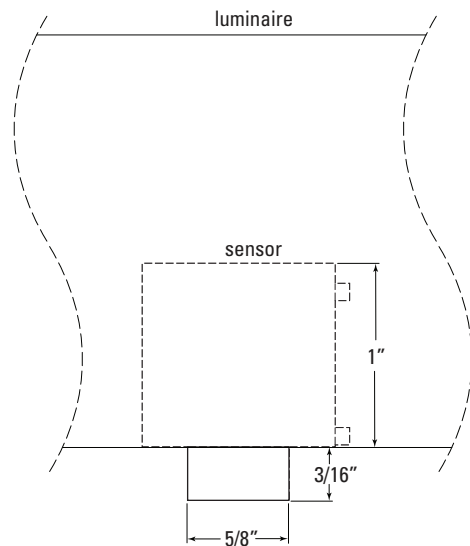
Sensor is field-replaceable.

### Approvals

Certified to UL and CSA standards. Title 24 listed.

*Due to continuing product improvements, Ledalite reserves the right to change specifications without notice.*

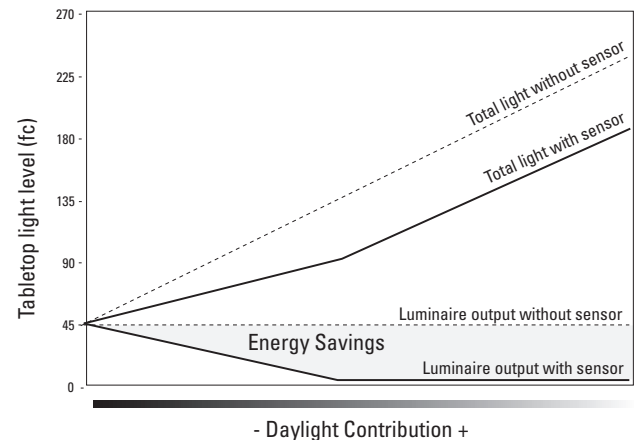
## Dimensions



*NOTE: The sensor typically protrudes 3/16" beyond the fixture housing. Protrusion may vary slightly depending on which product it is integrated with. Maximum protrusion is 1/4".*

## How it works

The sensor compensates for approx. 50% of additional daylight by dimming the luminaire output on a relative scale. For example, if the sensor is calibrated to 45fc on the horizontal surface and daylight contribution increases the light level to 85fc, the sensor will dim the space to approx. 65fc. Dimming will continue until the minimum light output at 1.5V is reached.



## How to Order

### Pick a Product

Response Daylight is elegantly integrated in virtually every standard LedaLite suspended and recessed product. To identify which fixtures can be ordered with daylight sensors, look for the Response-Ready icon on product technical data sheets, available at [www.ledalite.com](http://www.ledalite.com).



*NOTE: LedaLite strongly recommends supplying CAD-generated lighting plans in conjunction with furniture layouts to ensure accurate ordering, installation and system performance. Alternatively, a simple sketch can be provided to indicate run configurations with daylight sensors. LedaLite has created a number of tools to facilitate specification, available for download from [www.ledalite.com/response](http://www.ledalite.com/response).*

### Specify

Just add two letters to the end of the fixture's catalog number on your specification and order documentation.

**DS** Indicates Response Daylight in recessed 2x2/2x4 and suspended 4/8/12ft single-zone modules.

**DD** Indicates Response Daylight in suspended 12ft dual-zone modules.

### Sample

fixture catalog number ↙  
**9506T02CN1272EW – DS**  
 ↘ 2 letters to indicate Response Daylight

*NOTE: Response Daylight is only available with 1cct dimming (wiring type '7' in the LedaLite order guide).*

## Sensor placement and lamp control

**Suspended** – Response Daylight sensors are integrated at different locations along 4/8/12ft suspended modules to allow dimming control over different sections of lamps.



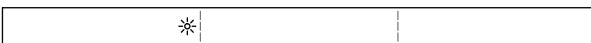
#### 4ft single-zone module (DS)

One photosensor controls all lamps in 4ft module.



#### 8ft single-zone module (DS)

One photosensor controls all lamps in 8ft module.



#### 12ft single-zone module (DS)

One photosensor controls all lamps in 12ft module.

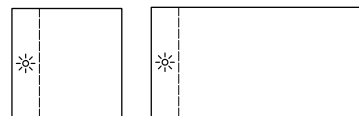


#### 12ft dual-zone module (DD)

Two photosensors in one 12ft module: one sensor controls all lamps in 4ft section, the other controls all lamps in 8ft section.

*IMPORTANT: Modules can be rotated 180° to shift sensor placement along a run and enable optimal sensor placement over representative work areas.*

**Recessed** – Response Daylight sensors can be integrated in standard 2x2 and 2x4 luminaires and configured to accommodate virtually any sensor placement and zoning requirements.



#### 2x2 / 2x4 controlled luminaires (DS)

One integrated photosensor controls all lamps in 2x2 or 2x4 fixture.

