

STANDALONE INTEGRATED SENSOR

Neo-Ray products with Integrated Sensor technology provide automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. Neo-Ray luminaires deliver superior lighting with integrated PIR occupancy sensing and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the sensor delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

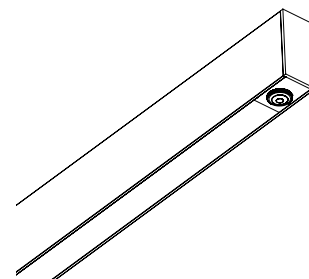
The integrated daylight sensor reduces the need for special daylight zone planning. The luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

Occupied daylight light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH-01). The integrated sensor personal remote (Catalog Number: ISHH-02) provides code compliant manual raise, lower, ON, OFF control.

Neo-Ray luminaires with Integrated Sensors are easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.

How it works:

- When a user enters under an integral sensor, the luminaire controlled by that sensor turns ON to the daylight level (default 500 lux).
- Lighting will remain at the daylight level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level (default matches occupied daylight level). This adjustable light level is often set to half of the occupied daylight level.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.



STANDALONE INTEGRATED SENSORS IN NEO-RAY LUMINAIRES



**Define Series
Recessed**

**Define Series
Surface**

**Define Series
Suspended**

**Index
WaveStream LED**

The Integrated Sensor is recommended only for individual fixtures.

ORDERING INFORMATION

HOWTO SELECT:

Replace the following catalog logic characters for compatible luminaires. Refer to luminaire specification sheet for catalog logic and options.

DriverType	DD, STD, or HCD = 0-10V dimming drivers
Optional sensor	SVPD1 = Standalone integral sensor factory installed

Note: The SV sensor is only compatible with 0-10V dimming drivers.

EXAMPLE CATALOG LOGIC

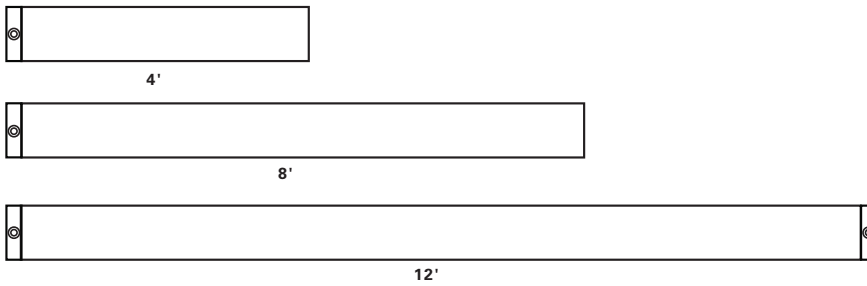
Without sensor: S123DP-235-SC48-ETG0048-1D-UDD-1-W

With sensor: S123DP-235-SC48-ETG0048-1D-UDD-1-W-SVPD1

Neo-Ray luminaires with the SVPD1 sensor option are all:

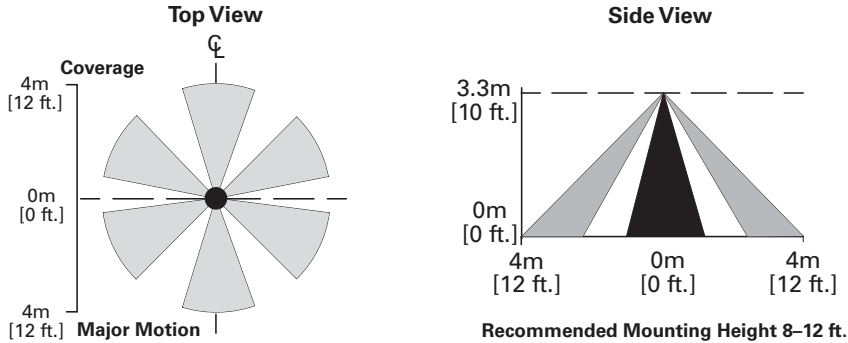
- cULus 1598 Listed
- LM79/LM80 Compliant
- Damp Location Listed
- RoHS Compliant
- IC Rated (where applicable)

STANDALONE INTEGRATED SENSOR LOCATIONS IN NEO-RAY LINEAR PRODUCTS

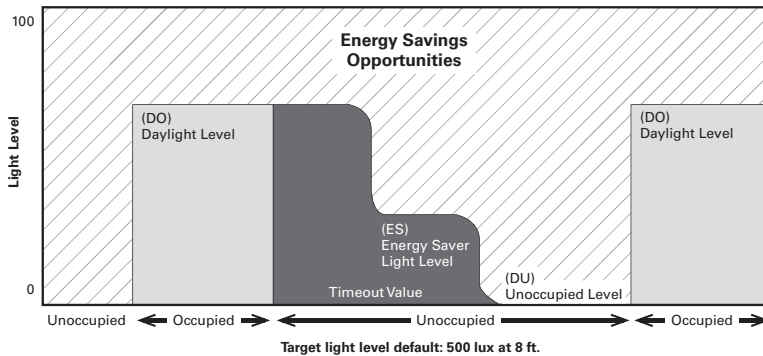


Sensors will be approximately located as shown on individual luminaires. For unit size availability, consult fixture specification sheet for details.

COVERAGE, SV OPTION INTEGRATED SENSOR



SENSOR OPERATION



Factory Defaults

Occupancy Detection	Auto-on, Active
Default Occupancy Time Out	20 minutes
Occupancy Sensitivity	High
Energy Saver Scene	100% - Daytime Occupied Scene
Fade Up Time	32% per second using "Raise"
Fade Down Time	24% per second using "Lower"
Default Daylight Harvesting Level	500 Lux
Default Unoccupied Light Level	Off

OPTIONAL REMOTE CONTROLS

**ISHH-01 Programming Remote**

The programming remote allows configuration of occupied, unoccupied, and energy saver light levels and occupancy time out period.

**ISHH-02 Personal Control Remote**

The personal control remote allows temporary control of dimming settings and scene selection. Light levels return to default upon occupancy time out.