

# BI-LEVEL & DAYLIGHT PIR SENSOR - 54895

## OPERATING INSTRUCTIONS

**PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before you install the sensor and use the luminaire.**

### WARNING, CAUTIONS AND OPERATING INSTRUCTIONS

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- Turn off electrical power at fuse or circuit breaker box before installation or performing any maintenance.
- Avoid direct eye exposure to the light source while it is on.

### NOTE:

- Warm up time is 40 seconds. After the sensor is connected to input power for the first time, the light will stay on for 40 seconds, then go to dimming to work normally.
- Factory Default Settings: Sensitivity set to 100%. Hold on time 5 minutes. Daylight sensor is disabled (Set at ☼). Dimming level at 30%. Dimming time at 60 minutes.
- RC-100 Remote (sold separately) required to change factory default settings. If any setting is changed, the LED light will turn on/off as confirmation of connection.
- **For use with specific PQL fixtures, with a compatible installed sensor socket.**

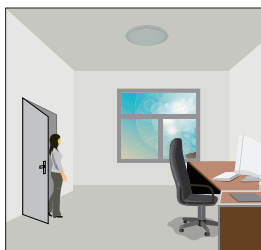
**! WARNING DISCONNECT POWER BEFORE INSTALLING OR SERVICING.**

### SENSOR INFORMATION

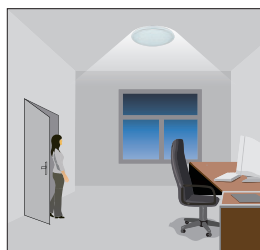
SPECIFICATIONS	
Power Supply Required	10-14VDC, >50mA
Dim Control Output	0-10V / Max. 25mA Sinking Current
Detection Area	360°
Mounting Height	Max 12ft / 4 Meters
Temperature	-4° ~ 140°F
IP Rating	IP20 (Dry)

**DIMMING FUNCTION** - RC-100 remote (sold separately) required for adjustments beyond the factory default settings.

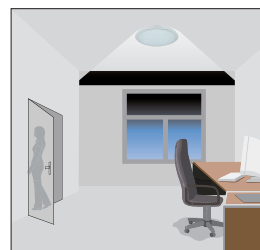
This sensor can provide tri-level control, for areas which require a light change notice (dimmed light) before switch-off. The sensor offers 3 modes of brightness: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period. Features adjustable daylight threshold and motion detection sensitivity.



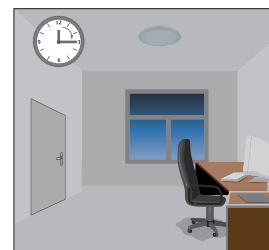
With sufficient natural light, the light does not switch on when a presence is detected.



With insufficient natural light, the sensor switches on the light automatically when a presence is detected.



After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



Light switches off automatically after the stand-by period elapses.

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### DAYLIGHT HARVESTING FUNCTION - **\*\*ONLY by using RC-100 remote (sold separately).\*\***

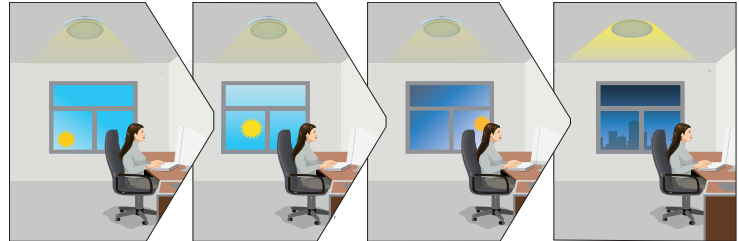
Activate the daylight harvesting function only by choosing button when the remote control is in setting condition. Saves current ambient brightness into memory, and activates or adjusts the fixture when necessary.

#### Setting in this example:

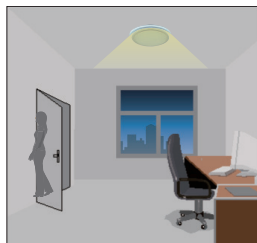
- Brightness: 100%
- Sensitivity: 100%
- Hold Time: 30 Min.
- Daylight Sensor:
- Stand-By Dim: 30%
- Stand-By Time: 1 Min.



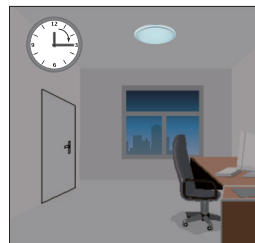
When natural light is sufficient or dark, and movement is detected the light will turn on to 100% brightness.



The light turns on at full or dims to maintain the Lux level. The light output regulates according to the level of natural light available.



The light dims to stand-by period after hold-time and stays on selected minimum dimming level.



The light switches off completely after the stand-by period.

### COVERAGE PATTERNS

