Keilton Basic 32

IFS06R Series

Integrated Oval 12V Panel Sensor

Description

IFS06R is a PIR sensor that combines occupancy sensing with photocell. Compact design to fit various style luminaires.

Features

- Suitable for low profile luminaires
- Compact oval-shaped PIR sensor with integrated photocell and 2.5mm male audio connector enables easy plug and play integration for luminaire level lighting control (LLLC)
- Operates on 12V DC supplied by a 0-10V LED driver
- Integrated photocell enables dusk-to-dawn operation independent of motion detection.
- Selectable modes for various applications via the RM51 remote controller
- Auto-calibrates in Daylight Harvesting mode to reach target illumination by measuring combined natural and electric light

Specifications

Input Voltage	DC 12V
Input Current	9mA Max
Input Power	0.1W
Output Current	10mA Max
Output Power	0.1W
Dimming	Class 2, 0-10V DC 10mA Max
Sinking Current	10mA Max
Housing Material	UL 94-5VA
Detection Range	32ft Max
Mounting Height	15ft Max
IR Remote Distance	Max 20' Indoor/Outdoor Use
Operating Temperature	-30°C to 65°C, -22°F to 149°F
Storage Temperature	-30°C to 85°C, -22°F to 185°F
IP Rating	IP20
Color	White
Warranty	5 years warranty
Compliance	UL8750, RoHs
Safety	cULus Recognized Component LED Controller E504054

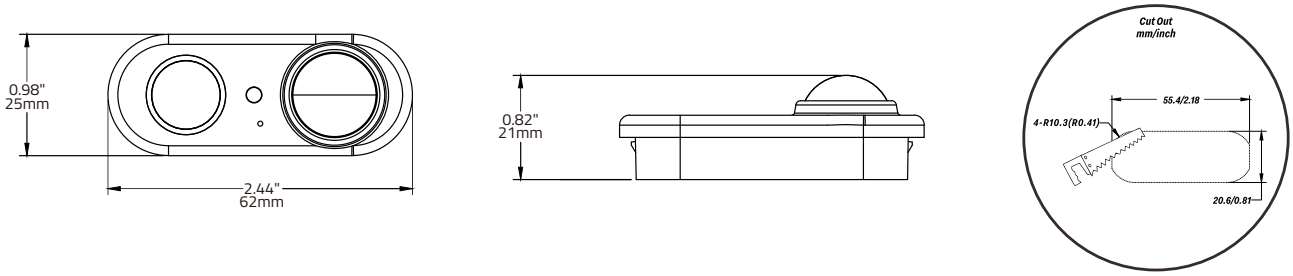
Ordering Information

Model	Description
IFS06R.B1	Fixture Built-in Low Bay Sensor
LBL2	Low bay lens, Mount Height 15ft Max, coverage 32ft Max, For Minor Movment

Wiring

Dimensions

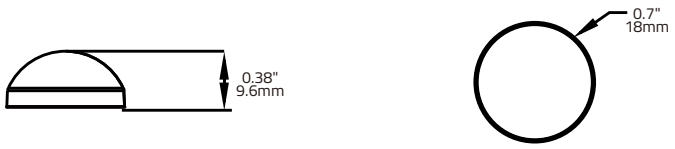
Unit:inch/mm



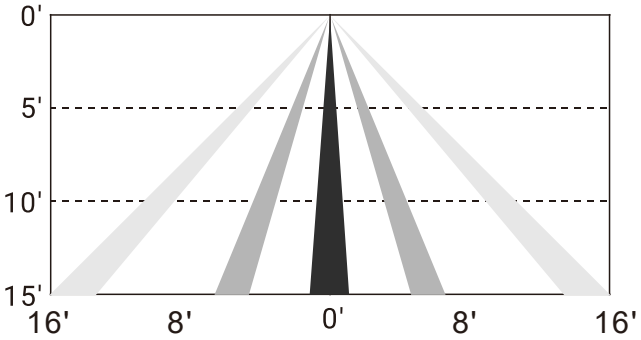
Dimensions - Accessories

Unit:inch/mm

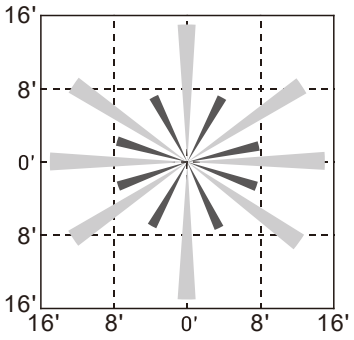
LBL2



Coverage Side View

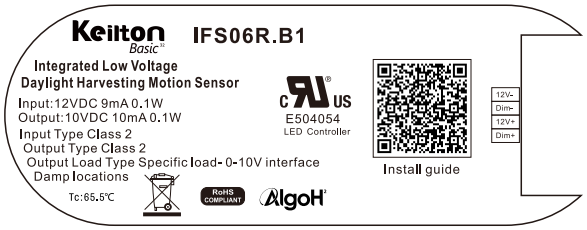


Coverage Top View



Height15ft

Product Label



Remote Instructions

Memory Mode (Commissioning)
To begin commissioning, follow these steps:

1. Select a memory profile: A, B, C, D, or E.
2. The remote's indicator lights will flash, showing the current saved settings.
3. Settings can be configured by pressing the appropriate buttons in the highlighted gray area of the remote (TRIM-LEVEL, SENSITIVITY, HOLD TIME, STANDBY DIM, STANDBY TIME, and PHOTOCELL). Review the selected settings and make changes as needed.
4. Point the remote at the desired luminaire and press "SEND."
5. The luminaire will flash twice to confirm the settings are saved. Changing a parameter in a memory profile will automatically override previous settings.
6. If configuring multiple luminaires, repeat steps 4 and 5 after selecting the configured memory mode.

*** E Mode** allows for visual adjustment to choose the desired dimming level.

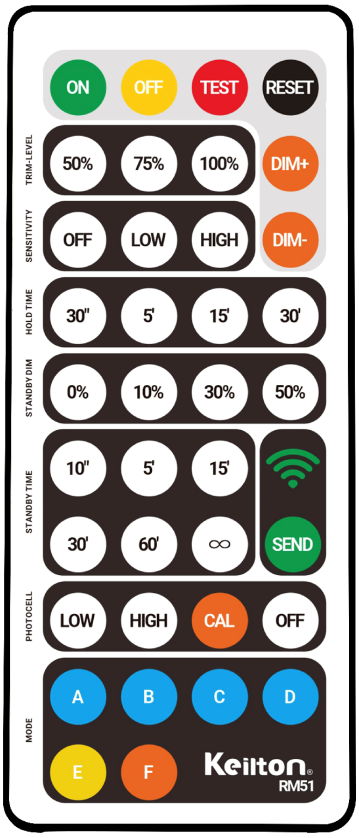
Daylight Harvesting (F Mode)
Continuous Adjustment Mode adjusts dimming levels based on daylight.

1. Point the remote at the desired luminaire and press "ON," then press DIM+ or DIM- to adjust the dimming level.
2. Press "F." The indicator lights on the remote will show the current saved settings. **Note:** Only TRIM-LEVEL, SENSITIVITY, and HOLD TIME can be selected for Daylight Harvesting settings
3. Review the selected settings and make changes as necessary. Press "SEND."
4. If the configuration is successful, the luminaire will flash twice to confirm the setting is saved. If configuring multiple luminaires, select the configured Daylight Harvesting settings, then follow steps 4 and 5.

Reset Mode

Default Settings: Motion → 100%, No Motion ≥ 5 min → DIM to 30%, No Motion ≥ 60 min → Off.

ON	Turns ON luminaires.
OFF	Turns OFF luminaires.
TEST	Test mode will last **5 minutes**, then return to the previous setting. In test mode, the hold time is **2 seconds**, SDL is **50%**, and the standby time is **2 seconds**.
RESET	Trim-High = **100%**, Sensitivity = **High**, T1 = 5 min, Standby Dim = **30%**, T2 = **60 min**, Photocell = **OFF**.
DIM+/-	Remote will manually dim the luminaire up or down in increments of **0.5 volts**. **Smooth dimming** should occur when holding the dimming button.
TRIM-LEVEL	Set maximum threshold value at **50%**, **75%**, or **100%**.
SENSITIVITY	OFF (**PIR OFF, Enter PC ON/OFF function**) / LOW (**50%**) / HIGH (**100%**).
HOLDTIME	**Time of no occupancy after which the fixture goes to standby: 30s / 5 min / 15 min / 30 min.**
FMODE DAYLIGHT HARVESTING	**(Enable/Disable) Measures and sets a feature to allow the fixture to maintain a light level when turned ON.**
STANDBY DIM	Select any standby dim level: **0%** / **10%** / **30%** / **50%**.
STANDBY TIME	**10s** / **5 min** / **15 min** / **30 min** / **1h** / ∞. "∞" means the standby time is **infinite**, and the fixture is effectively controlled by the daylight sensor.
PHOTOCELL	**LOW (1fc) / HIGH (50fc) / CAL (Collects the current Lux Level) ON.**
MODE	Set settings to a program profile (**A to F**).
SEND	Send settings to the sensor.
DEFAULT MODE A	Trim-High = **100%**, Sensitivity = **Low**, T1 = **30 min**, Standby Dim = **50%**, T2 = ∞, Photocell = **CAL**.
DEFAULT MODE B	Trim-High = **100%**, Sensitivity = **Low**, T1 = **30 min**, Standby Dim = **50%**, T2 = **15 min**, Photocell = **CAL**.
DEFAULT MODE C	Trim-High = **100%**, Sensitivity = **Low**, T1 = **30 min**, Standby Dim = **50%**, T2 = **15 min**, Photocell = **OFF**.
DEFAULT MODE D	Trim-Low = **50%**, Sensitivity = **Low**, T1 = **30 min**, Standby Dim = **50%**, T2 = **30 min**, Photocell = **CAL**.
DEFAULT MODE E	Manual Mode, Trim-High = **100%**.
DEFAULT MODE F	Daylight Harvesting, Trim-Low = **50%**, Sensitivity = **Low**, T1 = **15 min**.



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