



H-Line: Bi Level Motion Sensor (Internal)



TECHNICAL DATA

OPERATING VOLTAGE	DC: 10.5-15V
OPERATING CURRENT	<30mA
STAND-BY POWER	<0.5W
CONTROL METHOD	ON/OFF 0-10V Dimming
MICROWAVE FREQUENCY	5.8GHz±75MHz
MICROWAVE POWER	<0.3mW
DETECTION AREA	50% / 100%
HOLD TIME	5s / 30s / 1min. / 10min.
DAYLIGHT THRESHOLD	2Lux / 10Lux / 50Lux / Disable
STAND-BY PERIOD	0s / 30s / 20min. / +∞
STAND-BY DIMMING LEVEL	10%(1.9±0.2V) 20%(2.9±0.2V) 30%(3.9±0.2V) 50%(5±0.2V)
MOUNTING HEIGHT	Max. 16ft. (Ceiling Mounted)
DETECTION RANGE	DxH (Radius) 3-7 mx4m/9.84-22.97%ftx 13.12ft. (ceiling mounted)
MOTION DETECTION	0.5~1m/s
DETECTION ANGLE	150° (Wall Mounted) 360° (Ceilign Mounted)
OPERATING TEMPERATURE	-40°F~+176°F
IP RATING	IP20
WARRANTY	3 Years
FUNCTION SETTING	Dial Setting

Factory Default Setting: Detection area 100% / Hold Time 5s / Daylight Threshold Disable
Stand-By Period 0s / Stand-By Dimming Level 10%



ON/OFF Control



Stand-By
Dimming Level



Detection Area



Hold Time



Daylight Sensor



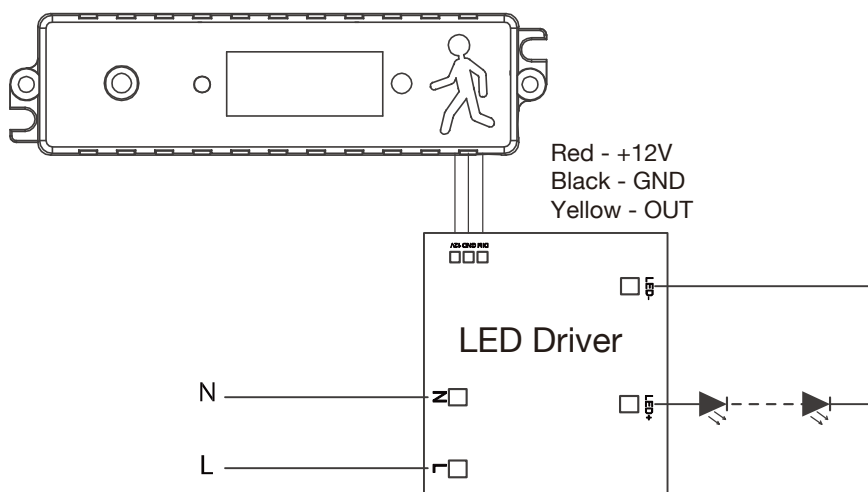
Stand-by Period

Series

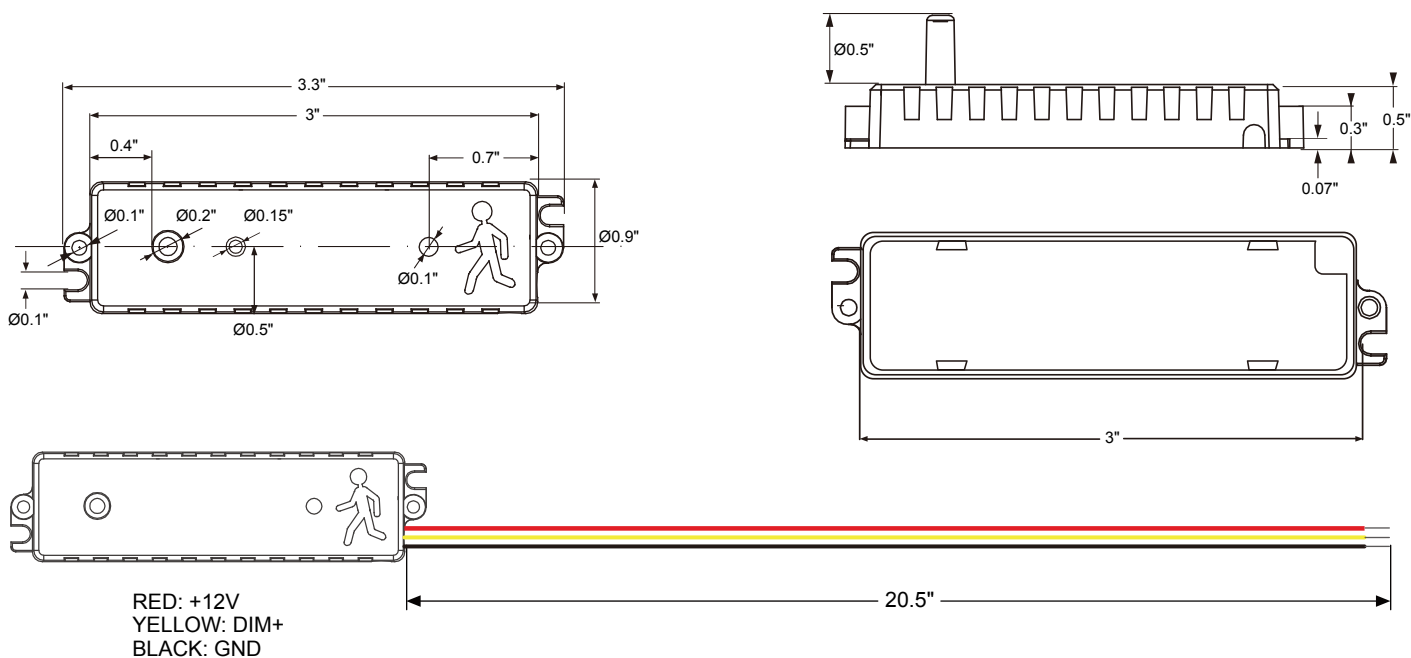
HD016VCR-8

Specs and model numbers are subject to change with or without notice.

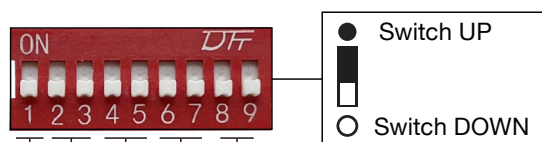
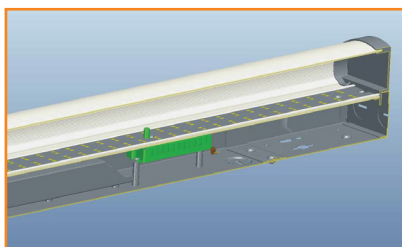
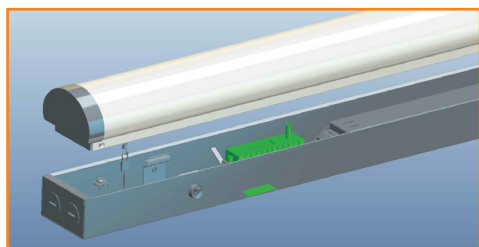
INSTALLATION



DIMENSIONS



INSTALLATION METHOD



Stand-By
Dimming Mode

●	●	10%
●	○	20%
○	●	30%
○	○	50%

The definition of low output in the standby period

Stand-By
Period

●	●	1min.
●	○	30min.
○	●	60min.
○	○	+ ∞

The period of light keeping low output before it's completely switched off. When it's present as "∞", the light always keep at low output if no movement in the detection area and doesn't turn off.

Daylight
Threshold

●	●	Disable
●	○	50lux
○	○	30lux
○	○	10lux

Definition of the ambient brightness; only when the ambient brightness is lower that the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless the ambient brightness.

Hold Time

●	●	1min.
●	○	10min.
○	●	20min.
○	○	30min.

The period of light keeping 100% brightness after moving objects leave the detection area.

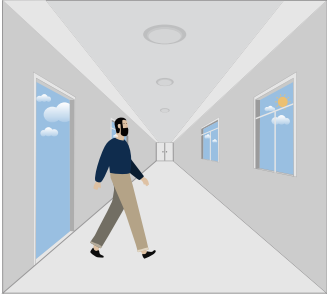
Detection Area

●	100%
○	50%

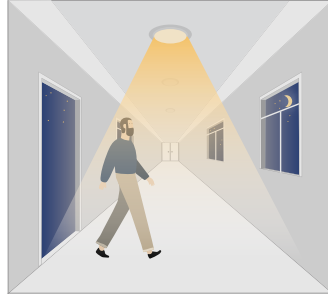
In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

PERFORMANCE

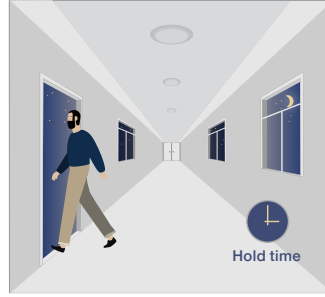
1. Automatic ON/OFF Function



With sufficient daylight, even when motion detected, light remains OFF.



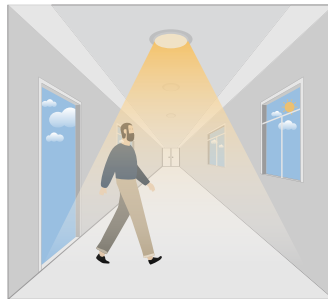
With insufficient daylight, the sensor turns light ON when motion gets detected,



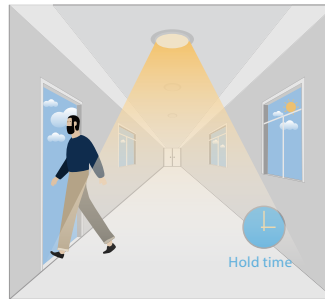
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

2. Daylight Disable

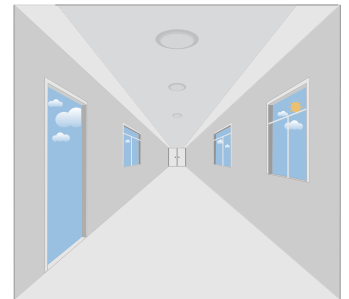
When daylight threshold is preset as "Disable", the sensor turns light ON when motion gets detected, and OFF after hold-time.



The sensor turns light ON when motion gets detected.

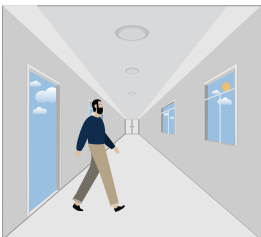


The sensor keeps light ON for holdtime period after motion leaves.

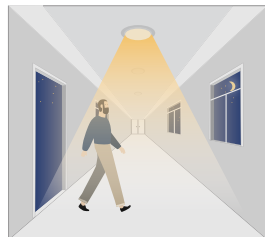


The sensor turns OFF light automatically after the holdtime.

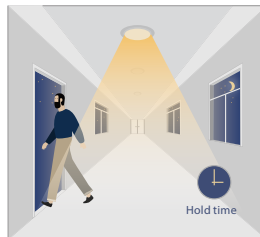
3. Corridor Function, Bi-Level Dimmable



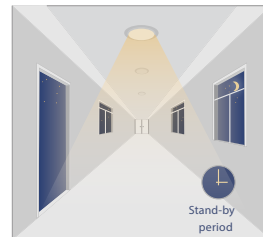
With sufficient daylight, the sensor keeps light OFF even motion gets detected.



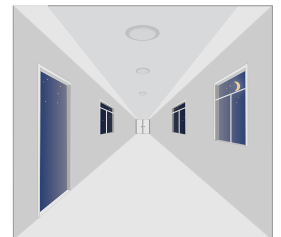
With insufficient daylight, the sensor turns light ON when motion gets detected,



After there's no motion detected, the sensor keeps light ON 100% for holdtime.



After holdtime, sensor dims light to standby dimming level for standby period.



The sensor turns OFF light automatically after the standby period when there's no motion detected.