

### WARNINGS



#### RISK OF FIRE, ELECTRICAL SHOCK, CUTS OR OTHER CASUALTY HAZARDS

Installation and maintenance of this product must be performed by a qualified electrician. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and hazards involved.

#### RISK OF FIRE AND ELECTRIC SHOCK

Make certain power is OFF before starting installation or attempting any maintenance. Disconnect power at fuse or circuit breaker.

#### RISK OF FIRE

Refer to product label for specific minimum supply conductor requirements.

#### RISK OF BURN

Disconnect power and allow fixture to cool before handling or servicing.

#### RISK OF PERSONAL INJURY

Fixture may become damaged and/or unstable if not installed properly.

**DISCLAIMER OF LIABILITY:** CSC LED assumes no liability for damages or losses of any kind that may arise from the improper, careless, or negligent installation, handling or use of this product.

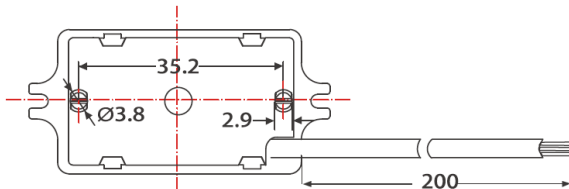
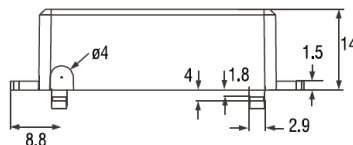
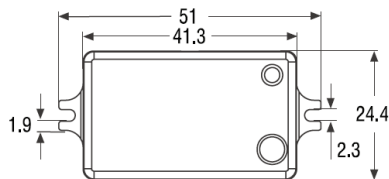
**NOTICE:** Green ground wire is provided in proper location. Do not relocate.

**SAFETY:** This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to ensure personal safety. Carefully observe grounding procedure under installation section.

**APPLICATIONS:** This lighting fixture is designed for indoor lighting applications, and should not be used in an area with limited ventilation or inside high ambient temperature enclosures. It must be stored in a dry location prior to installation.

**ATTENTION RECEIVING DEPARTMENT:** Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packaging must be retained.

PLEASE SEE **MS01-RC** INSTRUCTIONS FOR SENSOR PROGRAMMING WITH THE REMOTE CONTROL



### SPECIFICATIONS

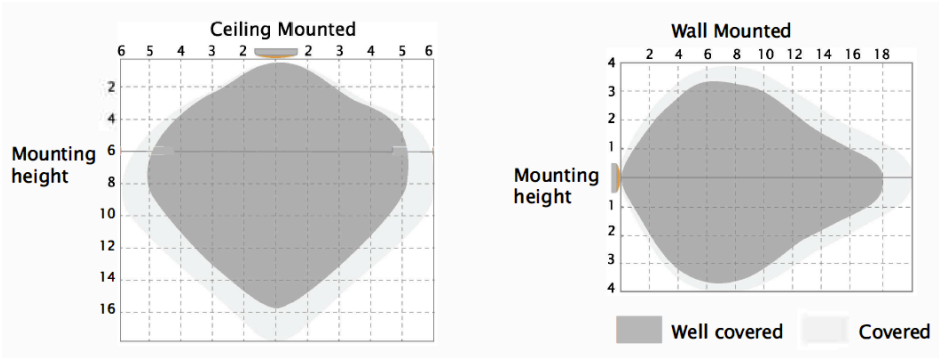
|                    |   |
|--------------------|---|
| Operating Voltage  | 12V DC                                      |
| Operating Current  | ≤25mA                                       |
| Output             | DIM / 0-10V                                 |
| Stand-by Power     | ≤0.5W                                       |
| Detection Area     | 25%/50%/75%/100%                            |
| Hold Time          | 5s/30s/1min/3min/5min/10min/20min/30min     |
| Daylight Threshold | 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable |
| Stand-by Period    | 0s/10s/30s/1min/5min/10min/30min/+∞         |

|                        |                                     |
|------------------------|-------------------------------------|
| Stand-by Dimming Level | 10%/20%/30%/50%                     |
| Microwave Frequency    | 5.8GHz ± 75 MHz                     |
| Microwave Power        | <0.3mW                              |
| Mounting Height        | Max. 15m/49.2ft (ceiling mounted)   |
| Detection Range        | Max. Ø14m/45.92ft (ceiling mounted) |
| Operating Temperature  | -20°C ~ 60°C                        |
| IP Rating              | IP20                                |

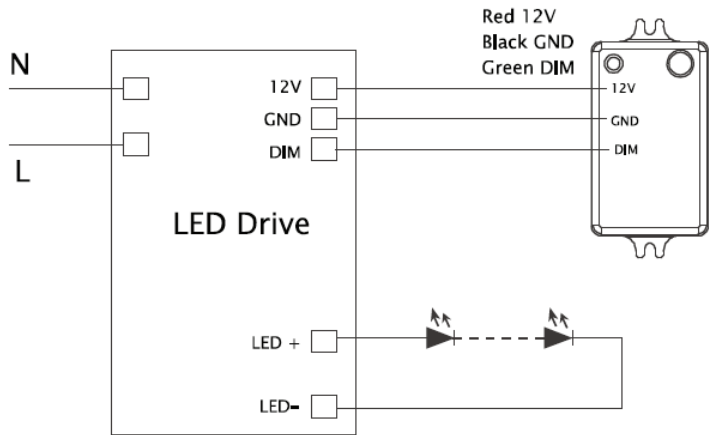
| FACTORY DEFAULT SETTINGS: |           |                 |              |               |
|---------------------------|-----------|-----------------|--------------|---------------|
| DETECTION RANGE           | HOLD TIME | DAYLIGHT SENSOR | STAND-BY DIM | STAND-BY TIME |
| 100%                      | 5 Seconds | Disabled        | 10%          | 0 Seconds     |

SENSOR COVERAGE

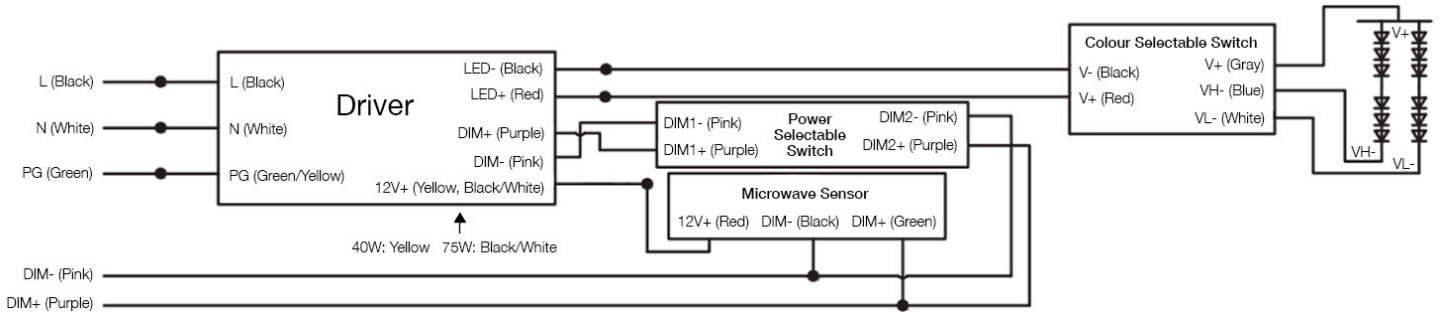
Typical installation height is 8-15m. This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.



WIRING DIAGRAMS



**NOTE:** When both a sensor and a 0-10V dimmer is connected to the luminaire, the brightness of the luminaire will be set to the lowest brightness setting. For example, if the dimmer switch is set at 70% and the sensor brightness is set at 50%, the luminaire brightness will be set to 50%.



## SENSOR MOUNTING

1. Loosen the screws on the 4 corners and remove the lens and reflector. (Fig. 1)
2. Remove the sensor cut-out on the reflector. (Fig. 2)
3. Connect the sensor to the luminaire using the wiring diagram given above.
  - Dim+: The green wire of the sensor will be connected to the purple wire of the power selectable switch.
  - Dim-: The black wire of the sensor will be connected to the pink wire of the power selectable switch.
  - 12V: The red wire of the sensor will be connected to the yellow (40W)/white (75W) of the driver.
4. Install the sensor to the mounting hole on the luminaire. (Fig. 3)
5. Put the reflector and lens back in place and tighten the screws. (Fig. 4)

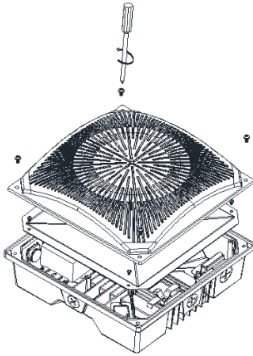


Fig. 1

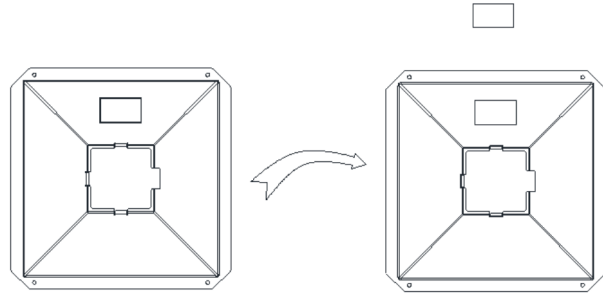


Fig. 2

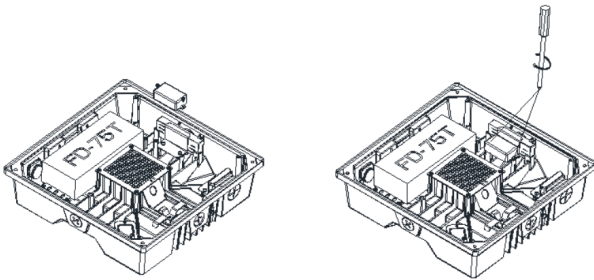


Fig. 3

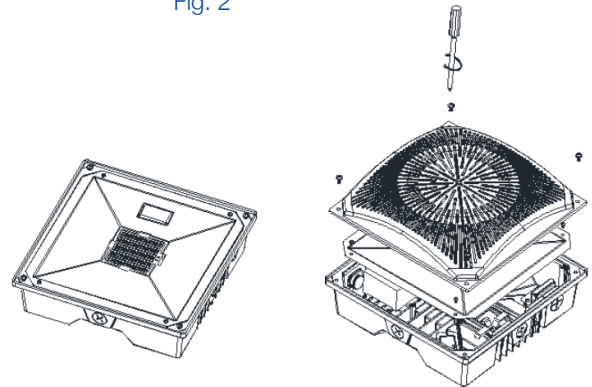


Fig. 4

## NOTES:

Be cautious if installing this sensor in areas with a large presence of metal (such as walls or machinery). Microwaves can reflect off metal surfaces and can potentially lead to false detection of movement.

In order to test the sensitivity level, keep the hold time and stand-by time low so that the full cycle can quickly be observed. Once the sensitivity is confirmed through testing, the hold time and stand-by time can be set to the desired levels.

It is recommended to start on a lower sensitivity setting and increase as needed. Microwaves can pass through most non-metal materials (including drywall and wood) and could detect motion on the other side of walls if the sensitivity is set too high.

For indoor applications the Daylight Sensor is typically not used and should be disabled.

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