

# Motion sensor DALI

Passive infrared DALI detector ceiling recessed



|               |                   |
|---------------|-------------------|
| Model number: | <b>IR-C12D-LC</b> |
| Connects to:  | DALI              |
| Mounting:     | In ceiling        |
| Dimensions:   | 90x90x40.54mm     |

## Applications

- Motion detector
- Ready light
- Intrusion detector
- Lighting control
- Hotel GRMS

## Features

- Aestetical look
- Easy mount
- Powered by DALI bus
- Simple Group Assignment Via Rotary Switch
- High sensitivity PIR sensor

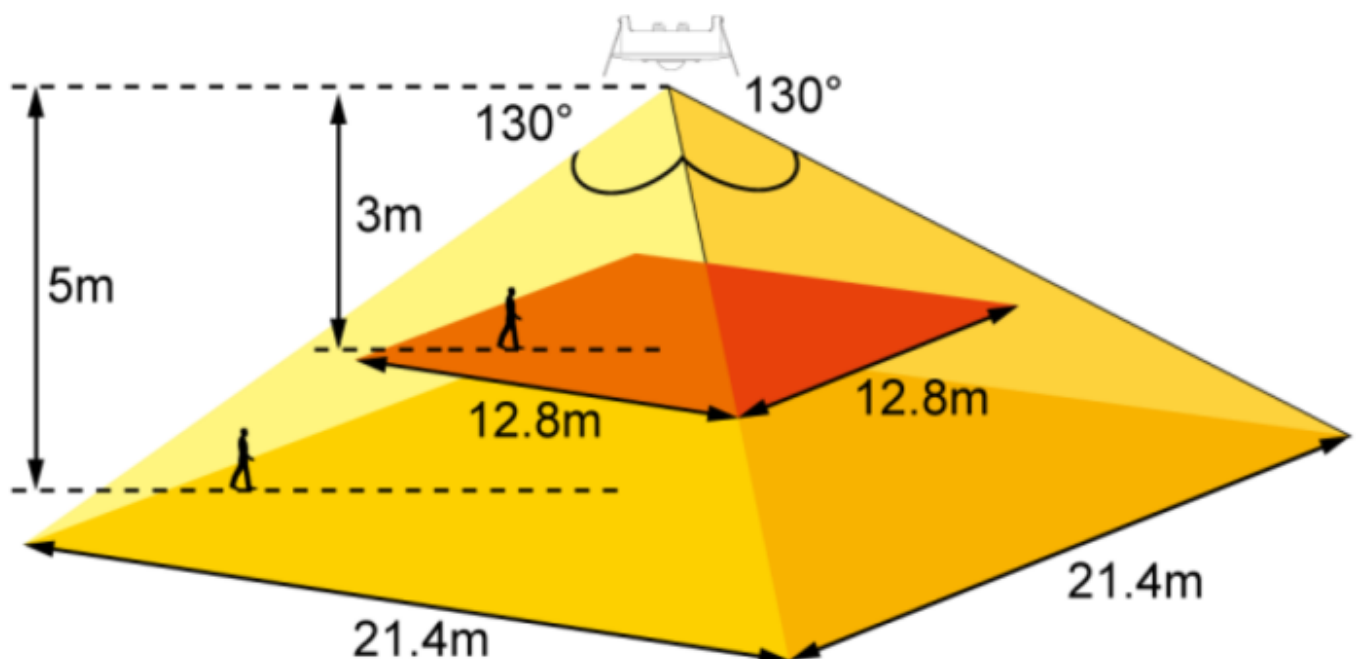
## General description

A passive infrared detector with sleek and compact housing on DALI system.

## Installation instruction

- Do not install the detector at position which faces direct or reflected sunlight or near windows with direct car headlight.
- Ensure that there are no obstructions (plants, screens, furniture etc.) in the field of view that may cause incorrect cover/operation of the detector.
- Avoid locating the detector in areas that contain equipment that may change the environment temperature rapidly (i.e. above radiator or under the air-conditioner)
- Install the detector at proper height on a rigid surface. Do not install the detector on vibrating surface.
- PIR detector is more sensitive to the motions “across” the detection zones than “toward” or “away”.

## Range



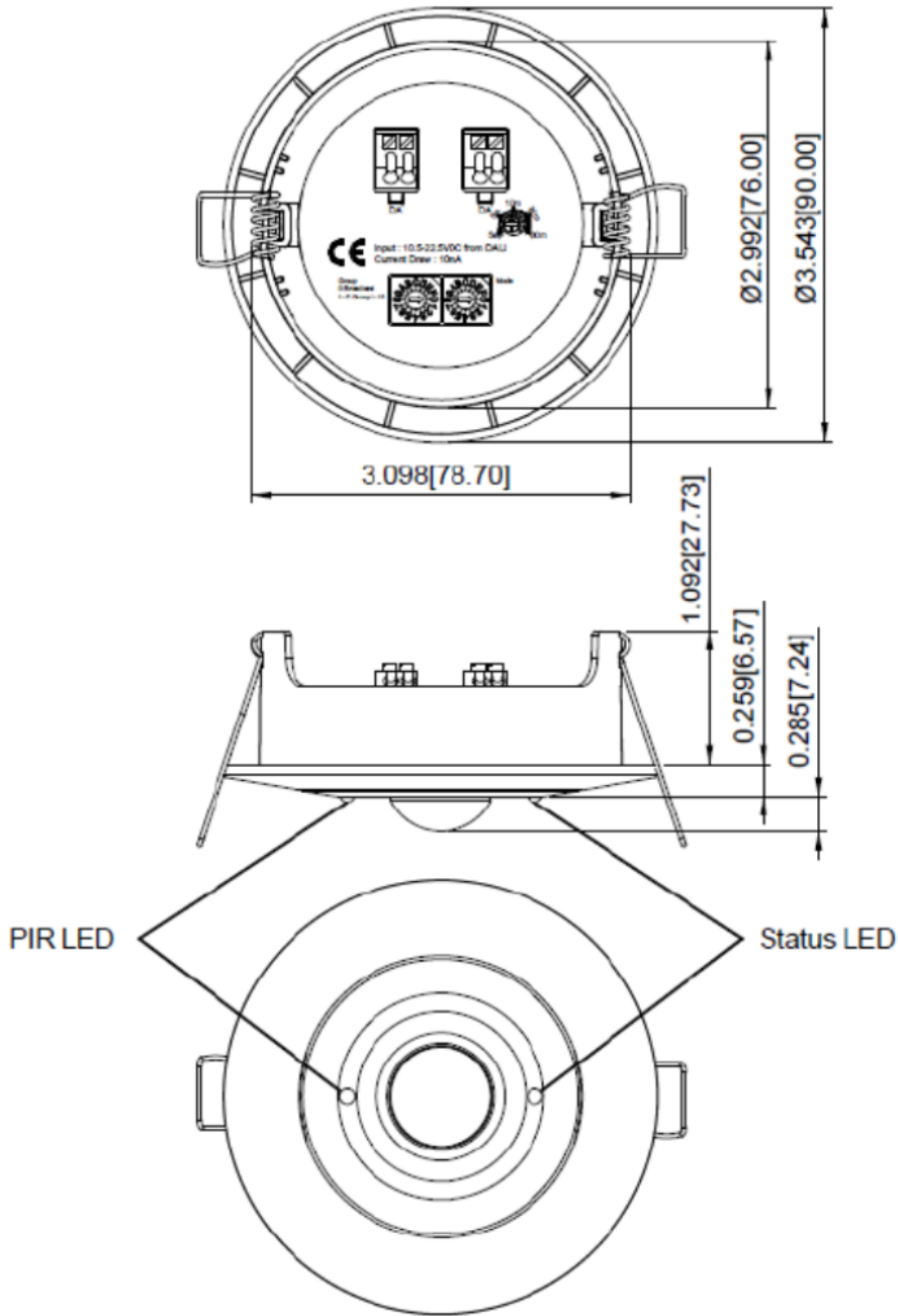
## Technical specifications

|                    |                                     |
|--------------------|-------------------------------------|
| Current draw       | 10 mA from DALI bus                 |
| Temperature        | 0°C ~ 50°C                          |
| Operating humidity | 10%-80% RH Non-Condensing           |
| Connecting Wires   | 0.5~1.5 mm², solid or stranded wire |
| Weight             | 58g                                 |

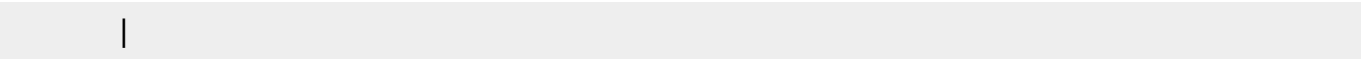
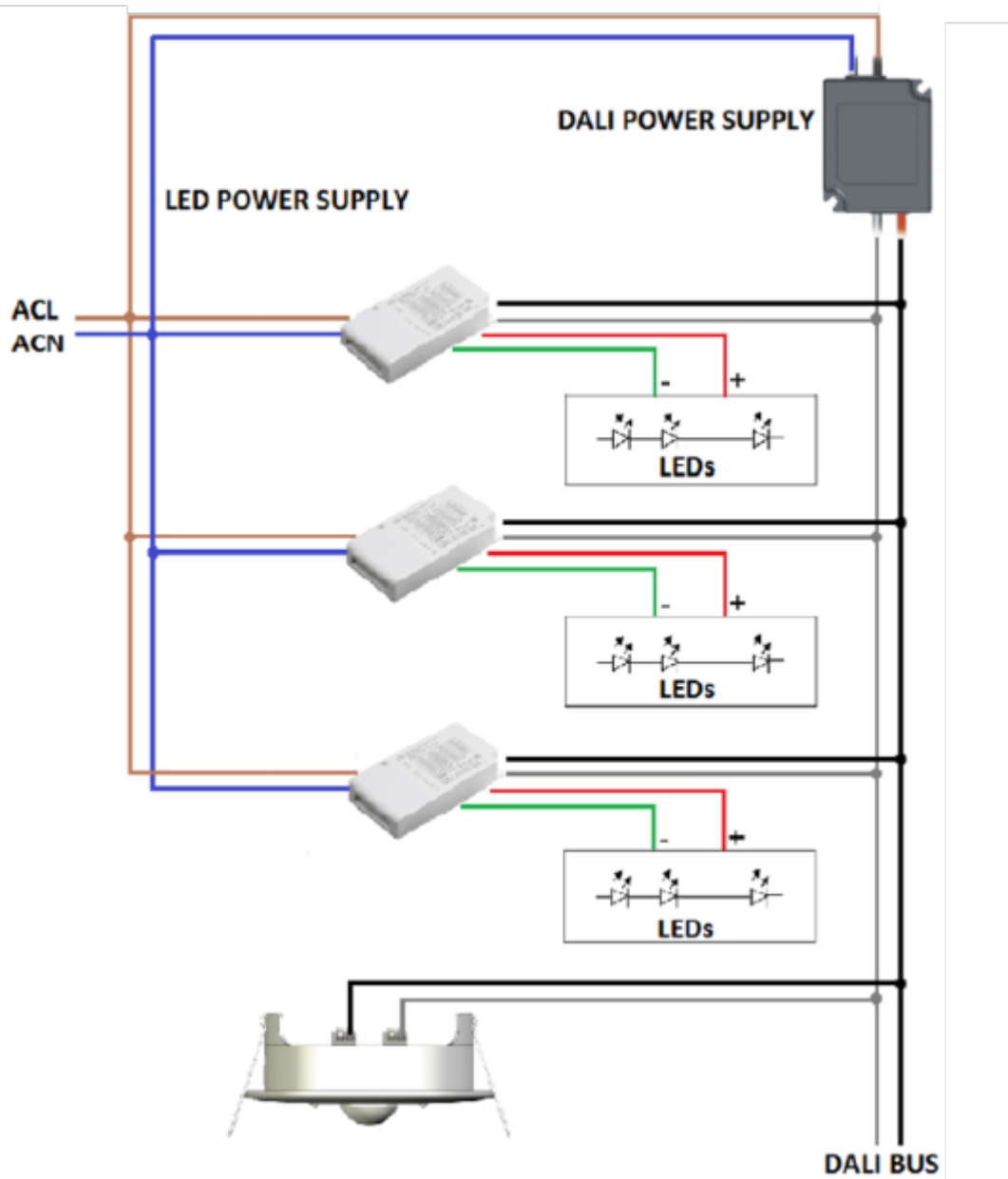
## Dimensions



All Dimensions in Inches[mm]  
Tolerance Inches:x.xxx=±0.02  
Millimeters: x.xx=±0.5



# Installation

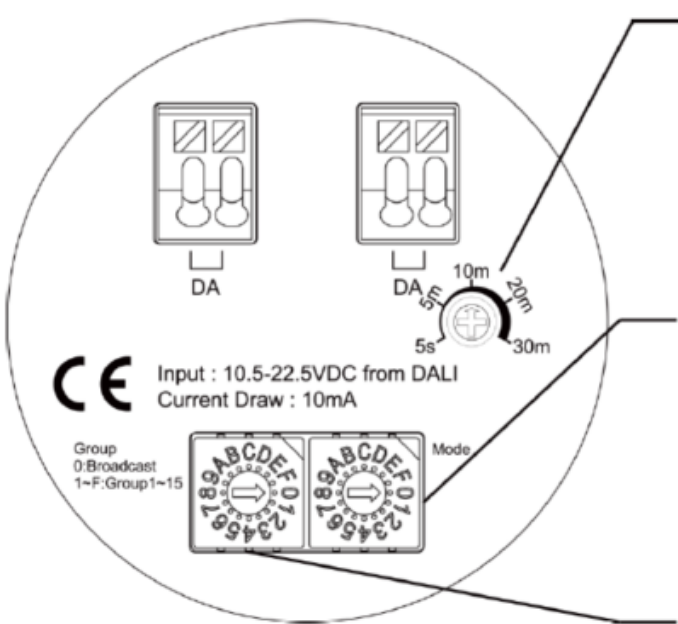


## Terminals

|      |   |
|------|---|
| DALI | + |
| DALI | - |

<WRAP column 430px>

Settings



**Time**

Delay Time ..... 5secs~30mins

5s 10m 20m 30m

**Mode Illuminance Sensor-Based**

|   |                         |   |                     |
|---|-------------------------|---|---------------------|
| 0 | ON:100% → MIN: 1% → OFF | 8 | ON: 100% → MIN: 1%  |
| 1 | ON:100% → MIN: 5% → OFF | 9 | ON: 100% → MIN: 5%  |
| 2 | ON:100% → MIN:10% → OFF | A | ON: 100% → MIN: 10% |
| 3 | ON:100% → MIN:20% → OFF | B | ON: 100% → MIN: 20% |
| 4 | ON: 70% → MIN: 1% → OFF | C | ON: 70% → MIN: 1%   |
| 5 | ON: 70% → MIN: 5% → OFF | D | ON: 70% → MIN: 5%   |
| 6 | ON: 70% → MIN:10% → OFF | E | ON: 70% → MIN: 10%  |
| 7 | ON: 70% → MIN:20% → OFF | F | ON: 70% → MIN: 20%  |

**Group**

0: Broadcast, 1~F: Group1~15

**Note:**

- Group 1 represents the Group 0 in the DALI standard.
- A sensor under Broadcast Mode should not be on the same DALI bus with a sensor under Group Mode.

|           |        |         |         |         |         |         |         |
|-----------|--------|---------|---------|---------|---------|---------|---------|
| 0         | 1      | 2       | 3       | 4       | 5       | 6       | 7       |
| Broadcast | Group1 | Group2  | Group3  | Group4  | Group5  | Group6  | Group7  |
| 8         | 9      | A       | B       | C       | D       | E       | F       |
| Group8    | Group9 | Group10 | Group11 | Group12 | Group13 | Group14 | Group15 |

**Note:** Group 1 represents the Group 0 in the DALI standard

From:  
<https://wiki.hiq-home.com/> -

Permanent link:  
[https://wiki.hiq-home.com/doku.php?id=en:ms\\_main:ir-c12d-lc&rev=1606057127](https://wiki.hiq-home.com/doku.php?id=en:ms_main:ir-c12d-lc&rev=1606057127)

Last update: 2020/11/22 14:58

