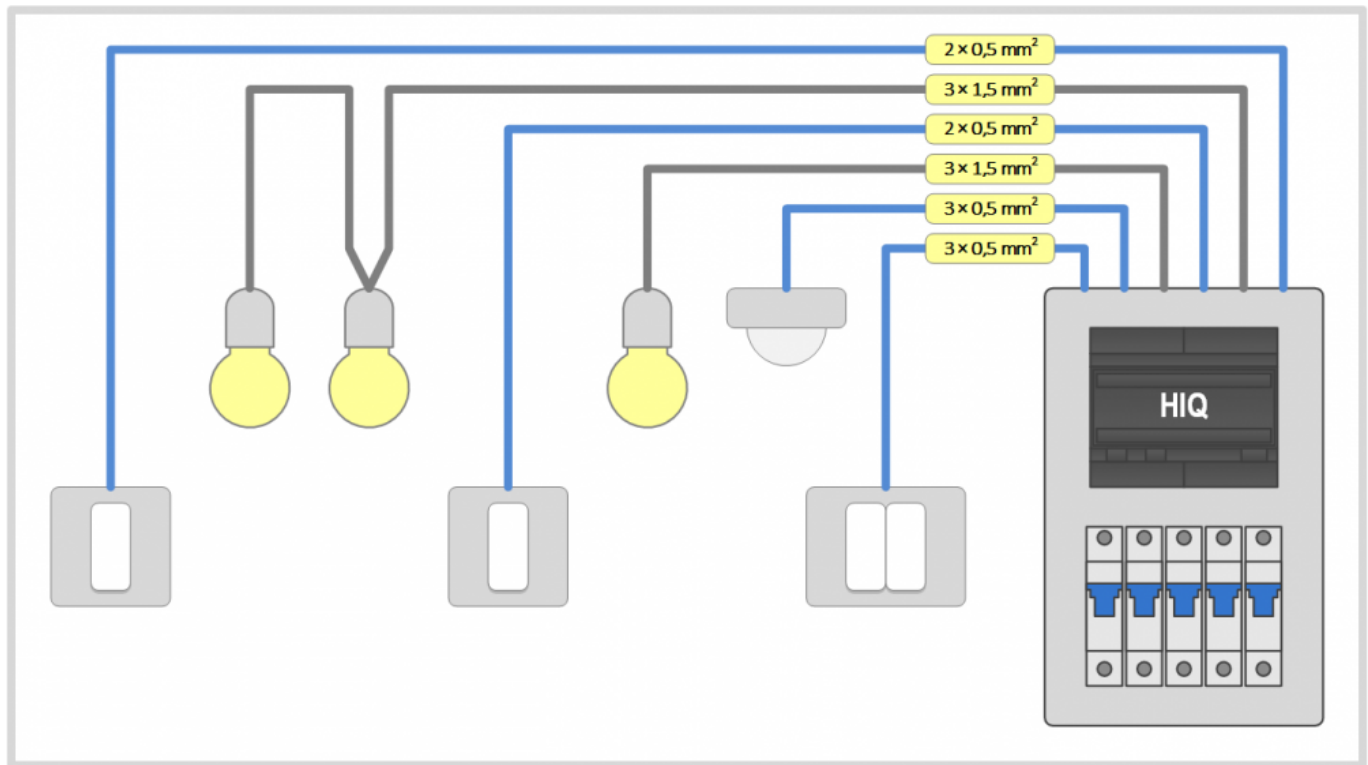


# LCS Devices wiring

## Discrete (on/off) & Dimmable lights




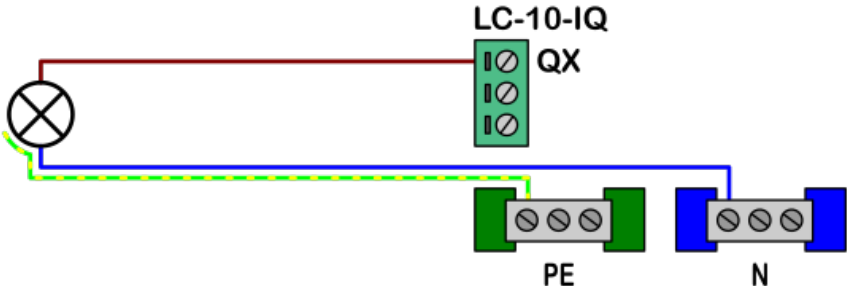

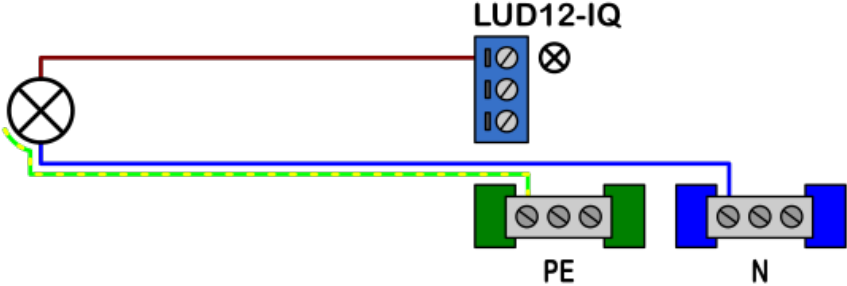

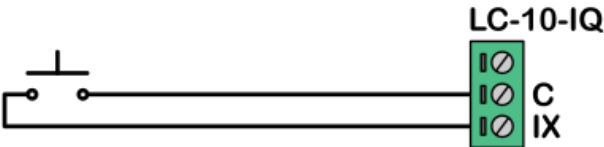

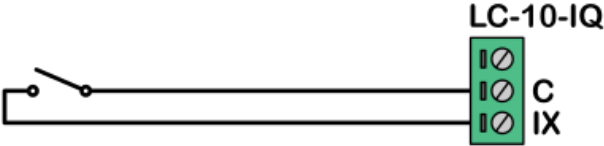

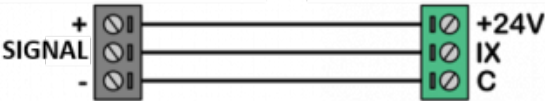

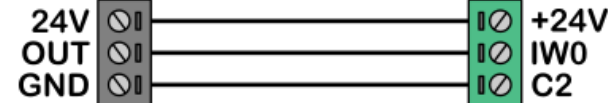
Individual lights (or hard-wired light groups) are wired directly to the distribution box with an appropriate wire gauge (usually  $3 \times 1,5 \text{ mm}^2$ ).

Push-button flush boxes are wired:

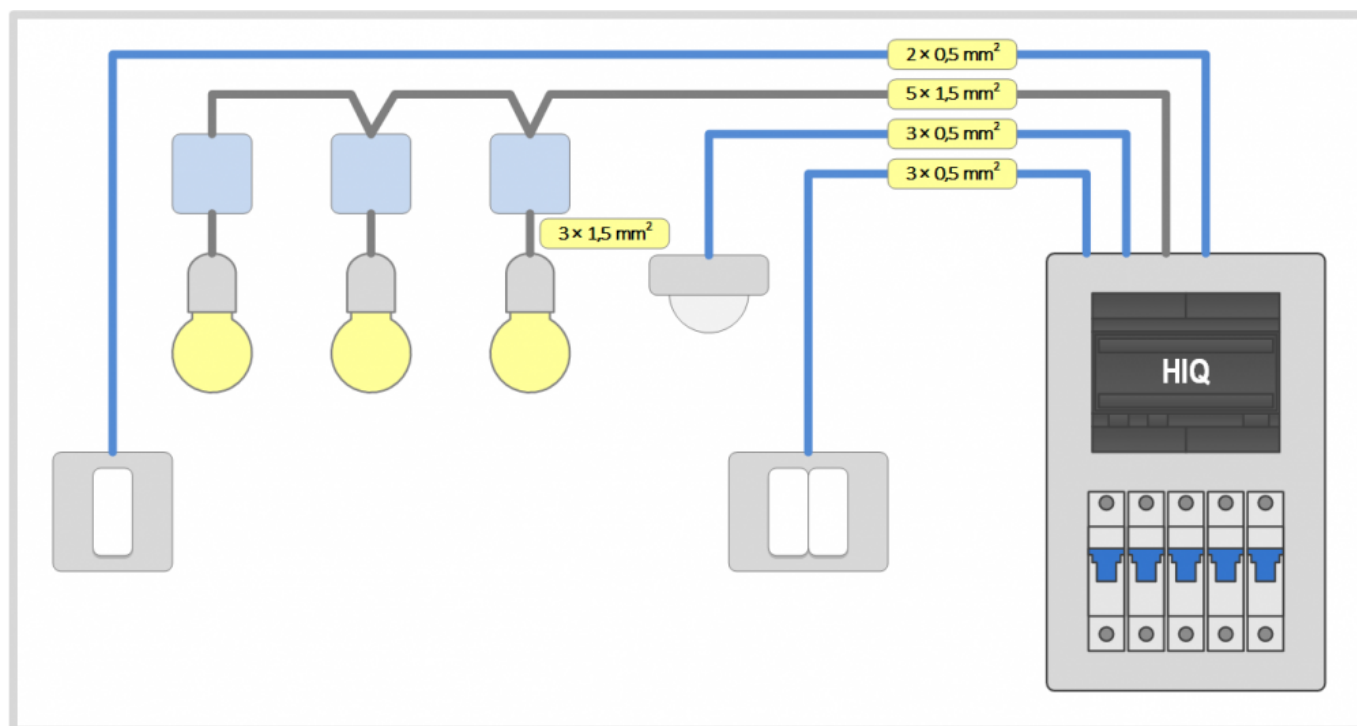
- directly to the distribution box with signal wires. One wire for each push-button and one common wire (for 3 push-buttons:  $4 \times 0,5 \text{ mm}^2$ ). Push buttons that are controlling same light are connected to the same input in parallel
- directly to the distribution box with Cat5+ cable. Up to four buttons on one Cat5+ cable. One core wire for each push-button and one twisted pair for common (for 4 push-buttons: Cat 5+<sup>2</sup>). Push buttons that are controlling same light are connected to the same input in parallel.

Motion sensors are wired:

- directly to the distribution box with signal wires. One wire for each sensor and one common wire (for 3 push-buttons:  $4 \times 0,5 \text{ mm}^2$ ). Sensors that are controlling same light are connected to the same input in parallel.
- directly to the distribution box with Cat5+ cable. Up to four sensors on one Cat5+ cable. One core wire for each sensor, one twisted pair for +24 VDC power supply and one twisted pair for 0 VDC (ground) power supply (for 4 sensors: Cat 5+<sup>2</sup>). Sensors that are controlling same light are connected to the same input in parallel. More sensors can be used for the same light.

Light	 
Dimmable light	 
Push-button	 
Door / window reed sensor	 
PIR motion sensor	 <div><div>MOTION SENSOR</div><div>LIGHTING MODULE</div></div>
Light sensor	 <div><div>RHKF-U</div><div>HC-IQ</div></div>

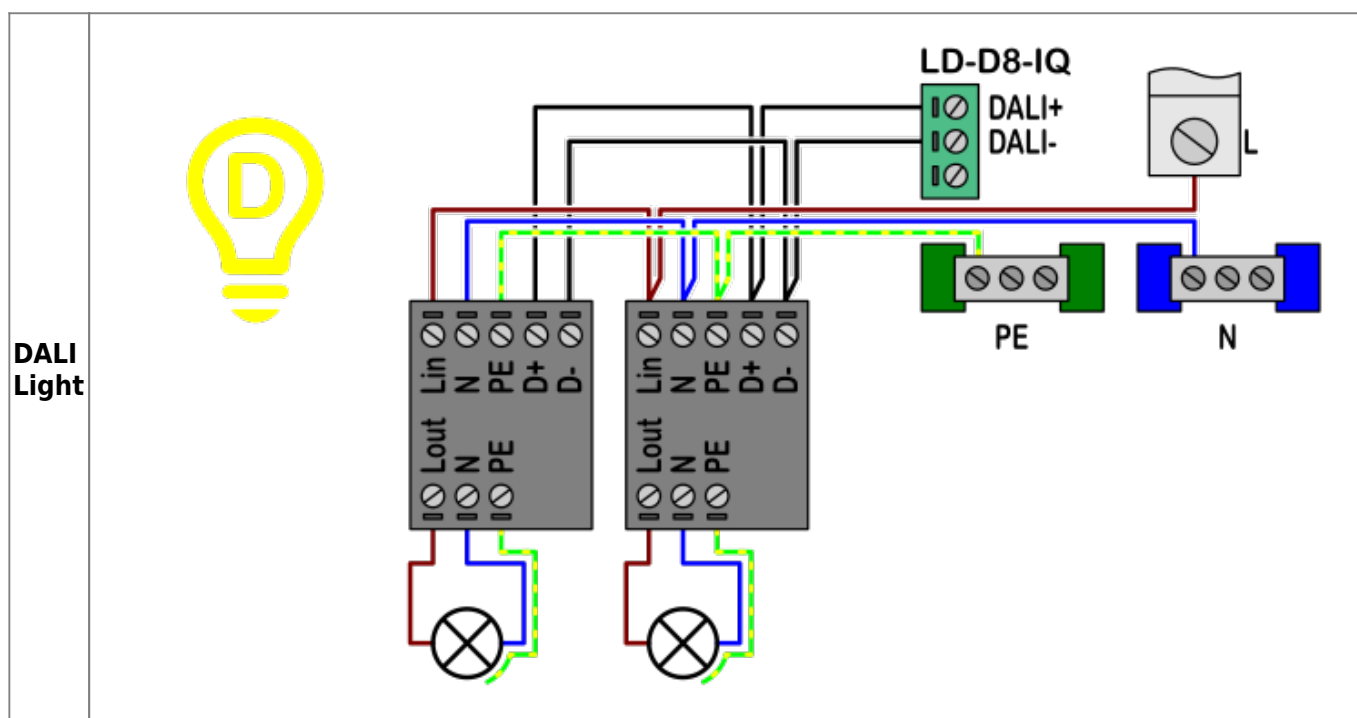
## DALI dimmable lights



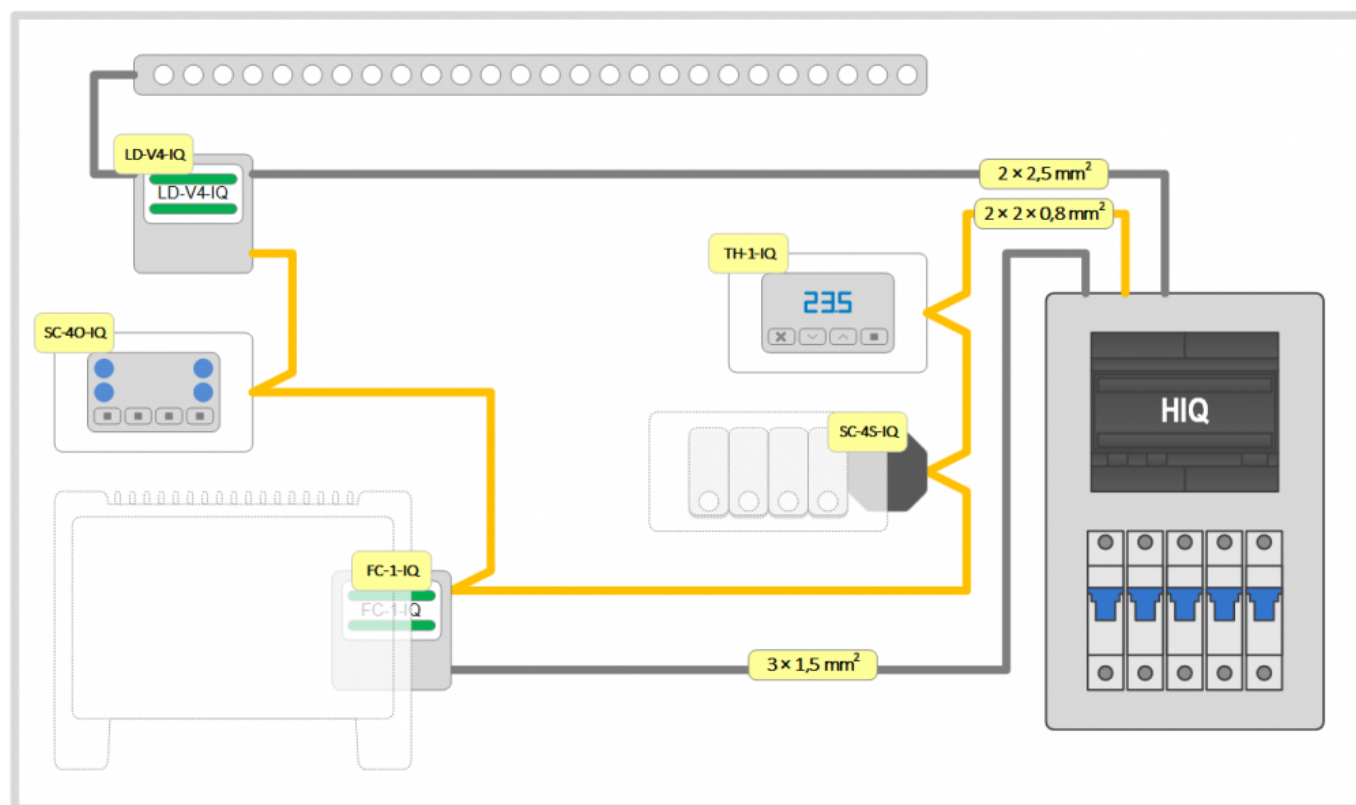
All light ballasts are wired to DALI bus with an appropriate wire gauge (usually  $5 \times 1,5 \text{ mm}^2$ )

Push-button flush boxes are wired directly to the distribution box with signal wires. One wire for each push-button and one common wire (for 3 push-buttons:  $4 \times 0,5 \text{ mm}^2$ )

Sensors are wired directly to the distribution box. More sensors can be used for the same light. Presence sensors must be wired in **parallel**, read sensors in **series**.

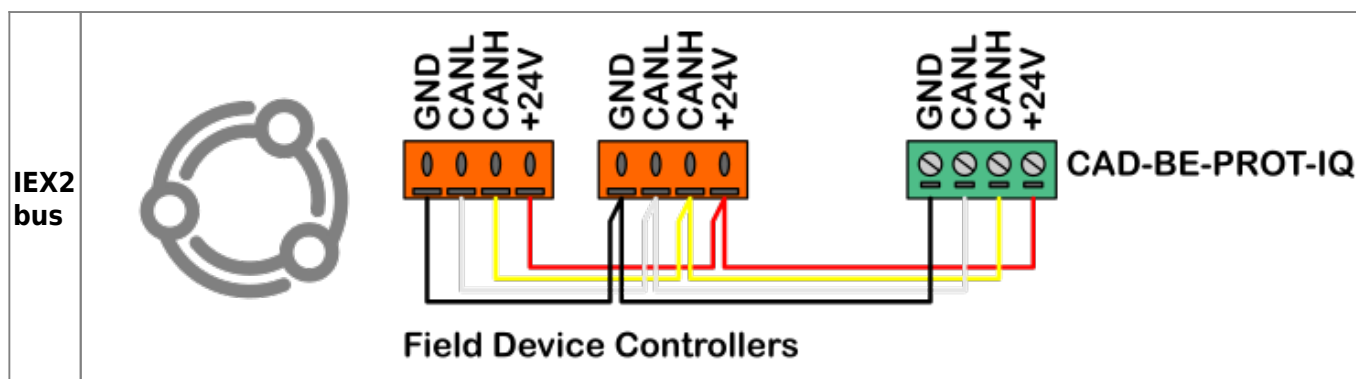


## Field modules



Applies to:

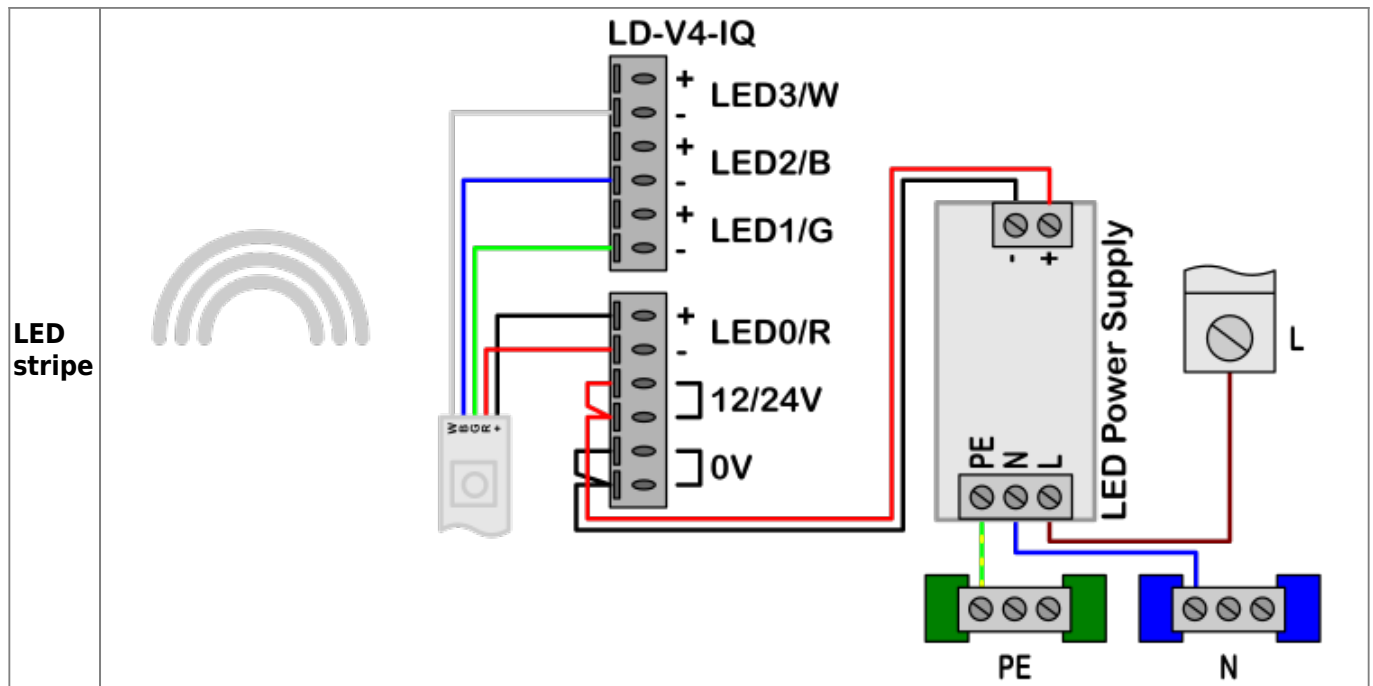
- Light controller
  - LD-V4-IQ
- Scene controllers
  - SC-4T-IQ
  - SC-40-IQ
  - SC-4S-IQ



All field modules are connected to the IEX bus with  $2 \times 2 \times 0,8 \text{ mm}^2$  cable.

Some devices controlled by Field modules needs additional power supply:

- LD-V4-IQ need LED power supply; 12 or 24V DC depending of LED stripe type
- FC-1-IQ need fan-coil motor and valve power supply; see fan-coil documentation - usually 230V AC



From:

<http://wiki.hiq-home.com/> -

Permanent link:

[http://wiki.hiq-home.com/doku.php?id=en:ms\\_main:wiring&rev=1605458616](http://wiki.hiq-home.com/doku.php?id=en:ms_main:wiring&rev=1605458616)

Last update: **2020/11/15 16:43**

