

# FHL420 Set-up Configuration EdgeLED™ Corridor Function

Fern-Howard luminaires can come with 2 different types of micro-sensor controllers. Please determine which micro-sensor your luminaire has (Type 1 or 2) and follow the relevant set-up instructions below.

## EdgeLED™ Corridor Function

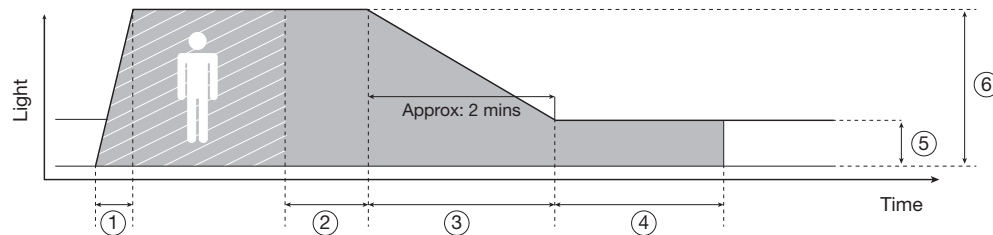


The driver in this corridor function luminaire is specifically designed to operate with the micro-sensor controller detailed on this data sheet.

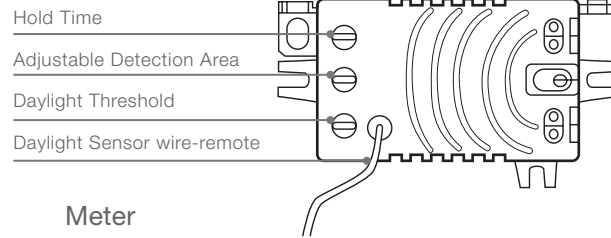
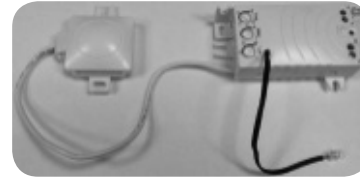
This driver requires an initial constant occupancy signal for 5 minutes\* before it will start to operate in corridor function mode, in this initial start-up it is common that you may see fluctuations in light out-put, after 5 minutes and 1st switch cycle the luminaires out-put will stabilise.

### Typical Corridor Function Operation

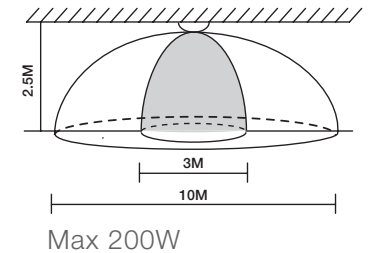
1. Fade-in time: the time that starts as soon as the presence of a person is detected. During the fade-in time the luminous intensity is faded up to the presence value.
2. Run-on time: the time that starts as soon as the presence of a person is no longer detected. If the presence of a person is detected again during the run-on time the run-on time is restarted from zero. If no presence is detected during the run-on time the fade time is started as soon as the run-on time expires.
3. Fade time: the time during which the luminous intensity is faded from the presence value to the absence value. Approx. 2min.
4. Switch off delay: the time during which the absence value is held before the lighting is switched off. Depending on the profile selected the switch-off delay may have different values or may not be defined.
5. Absence value: the luminous intensity when there is no person present
6. Presence value: the luminous intensity when persons are present



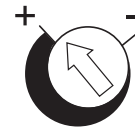
## Type 1



### Detection Area

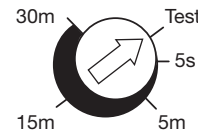


### Meter



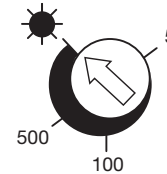
Sensor Sensitivity:  
Adjustable '-' approx. 2M to '+' approx 10M

### Time



Delay off time:  
5 sec to 30 min range and Test mode  
\*initially set for 5m at start-up

### Lux

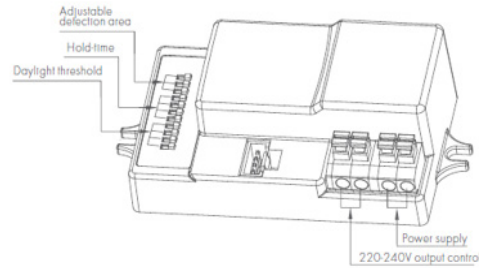


Ambient Light Override:  
Ensure this is set to  at all times - DO NOT adjust

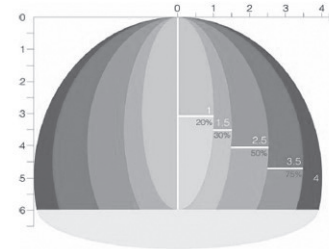
**IMPORTANT NOTE:** When a setting change on a micro-sensor has been made, the luminaire must be power cycled for the change to take effect.

## Set-up Configuration EdgeLED™ Corridor Function

### Type 2

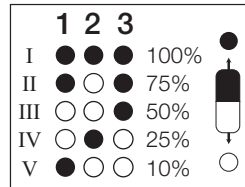


### Detection Area



### Detection Area:

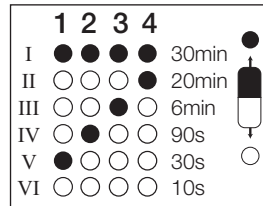
Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.



- I - Detection range 100%
- II - Detection range 75%
- III - Detection range 50%
- IV - Detection range 25%
- V - Detection range 10%

### Hold Time:

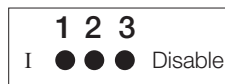
Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detection area.



- I - 30 minutes
- II - 20 minutes
- III - 6 minutes
- IV - 90 seconds
- V - 30 seconds
- VI - 10 seconds

### Daylight Sensor:

Only set as disabled.



- I - Photocell disabled

For more Information call **01420 470 400** email [lighting@fernhoward.com](mailto:lighting@fernhoward.com) or visit [www.fernhoward.com](http://www.fernhoward.com)