

LED BEDHEAD STRIP



USER MANUAL



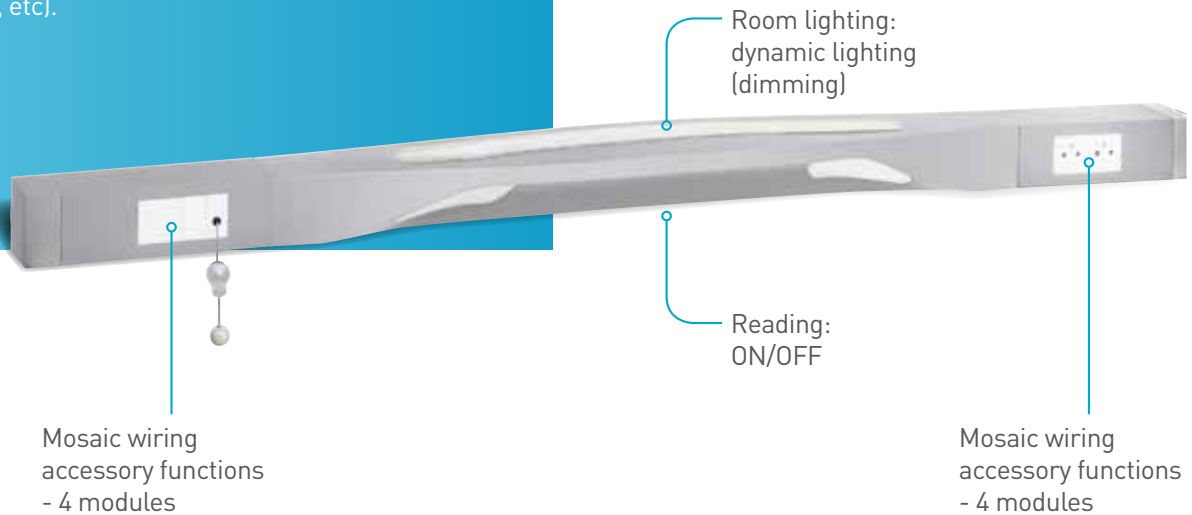
Presentation

The LED bedhead strip is designed mainly for homes for the elderly and nursing homes (long-stay).

With dimmable lights and an integrated light level cell, its electricity consumption is optimised, resulting in energy savings.

Dynamic lighting in phase with the solar cycle helps prevent residents' body clocks getting out of sync: cold light increases cortisol levels and makes it easier to wake up; warm light increases melatonin levels and makes it easier to go to sleep.

The strip can take a wide range of antimicrobial Mosaic wiring accessory functions (controls, sockets, etc).



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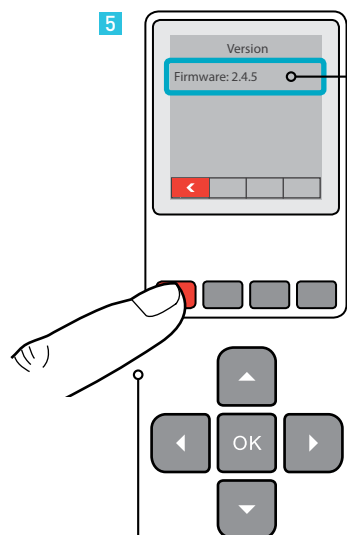
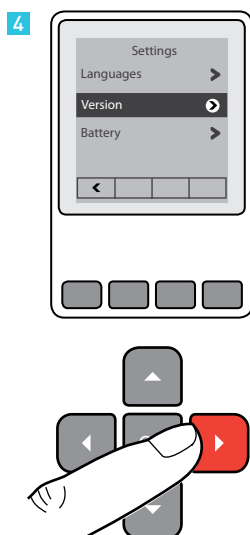
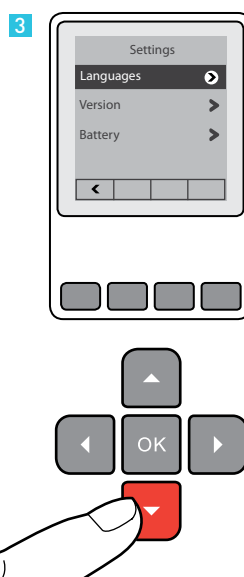
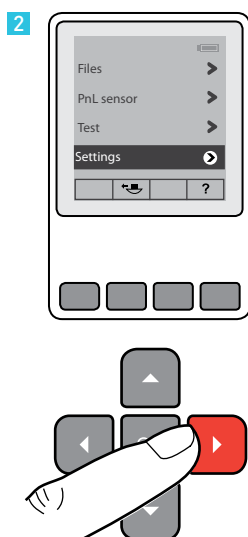
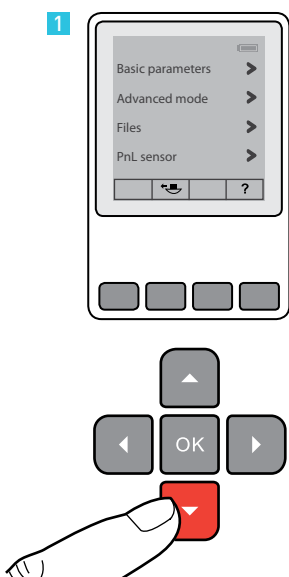
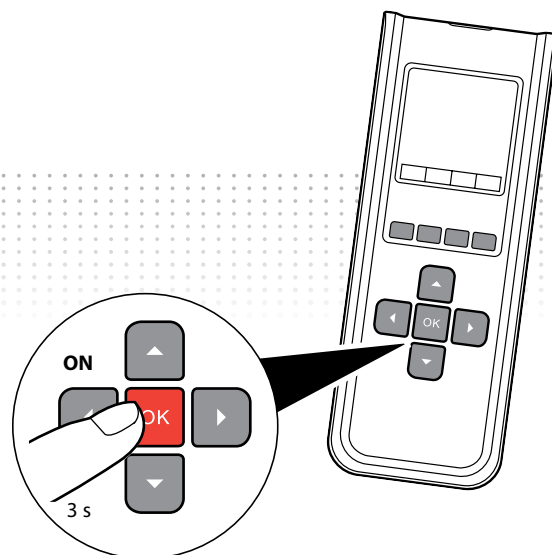
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PARAMETER-SETTING TOOL

1- Check the firmware version

on the configuration tool
(Cat. No. 0 882 30)
2.4.5 minimum

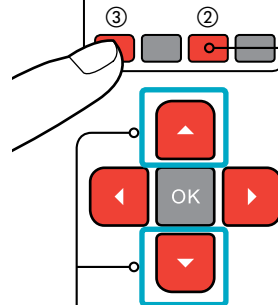
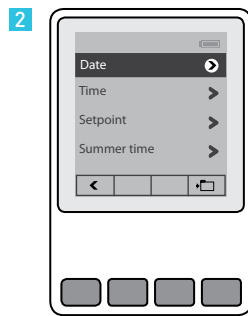
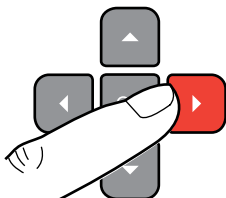
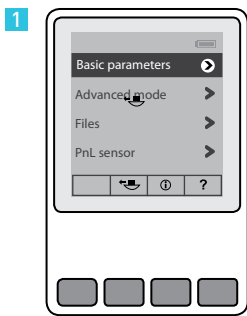


! Minimum version
Firmware: 2.4.5

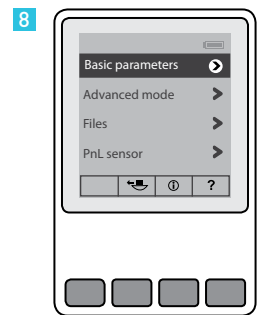
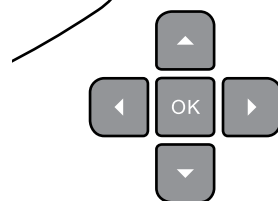
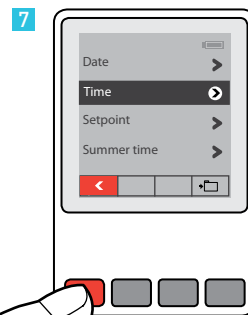
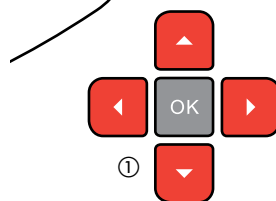
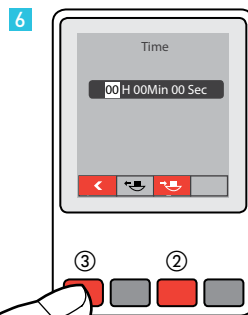
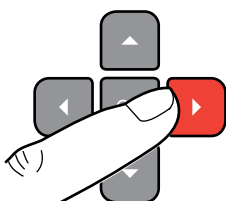
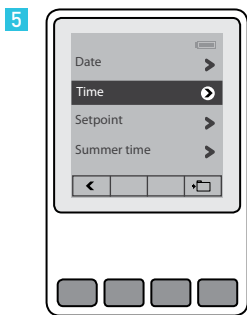
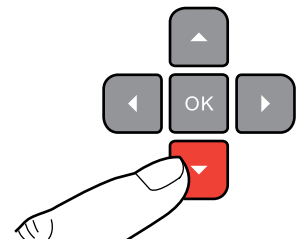
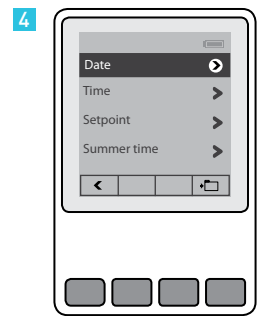
Press twice to go back
to view **2**

2- How to navigate the screens

! Each parameter must be sent to the bedhead strip when it has been changed.



① To change the value



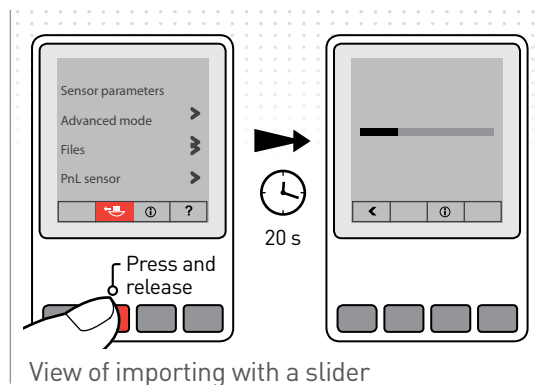
...

SETTING THE BEDHEAD STRIP PARAMETERS FOR THE 1ST ROOM

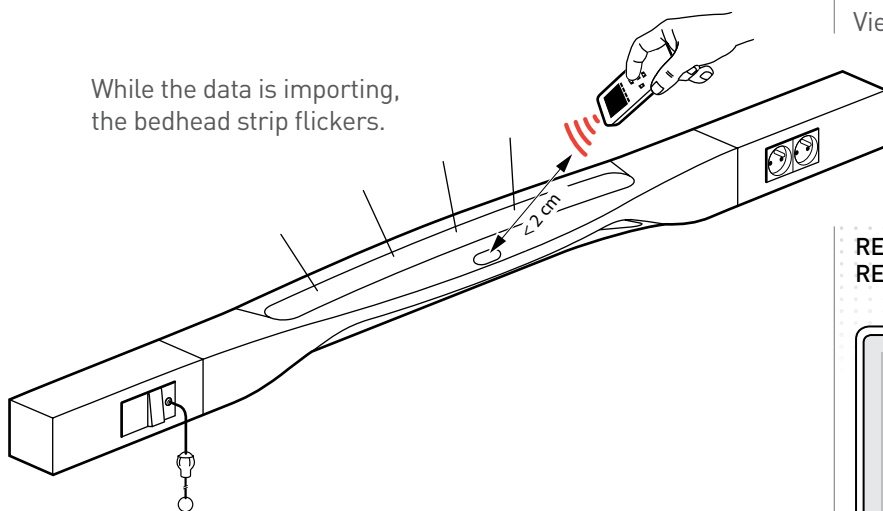
1- Importing the bedhead strip parameters (Cat. Nos. 0 783 05/35/36)

into the configuration tool (Cat. No. 0 882 30)

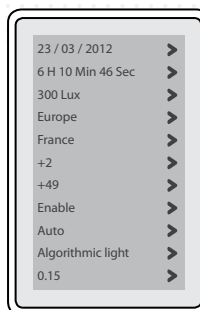
Each time the configuration tool is used (after a switch-off), it is essential to reimport the bedhead strip data to bring up the special bedhead strip menu.



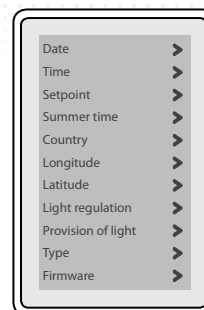
While the data is importing, the bedhead strip flickers.



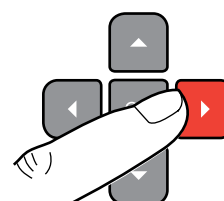
READ RESULT



VIEWING THE VALUES

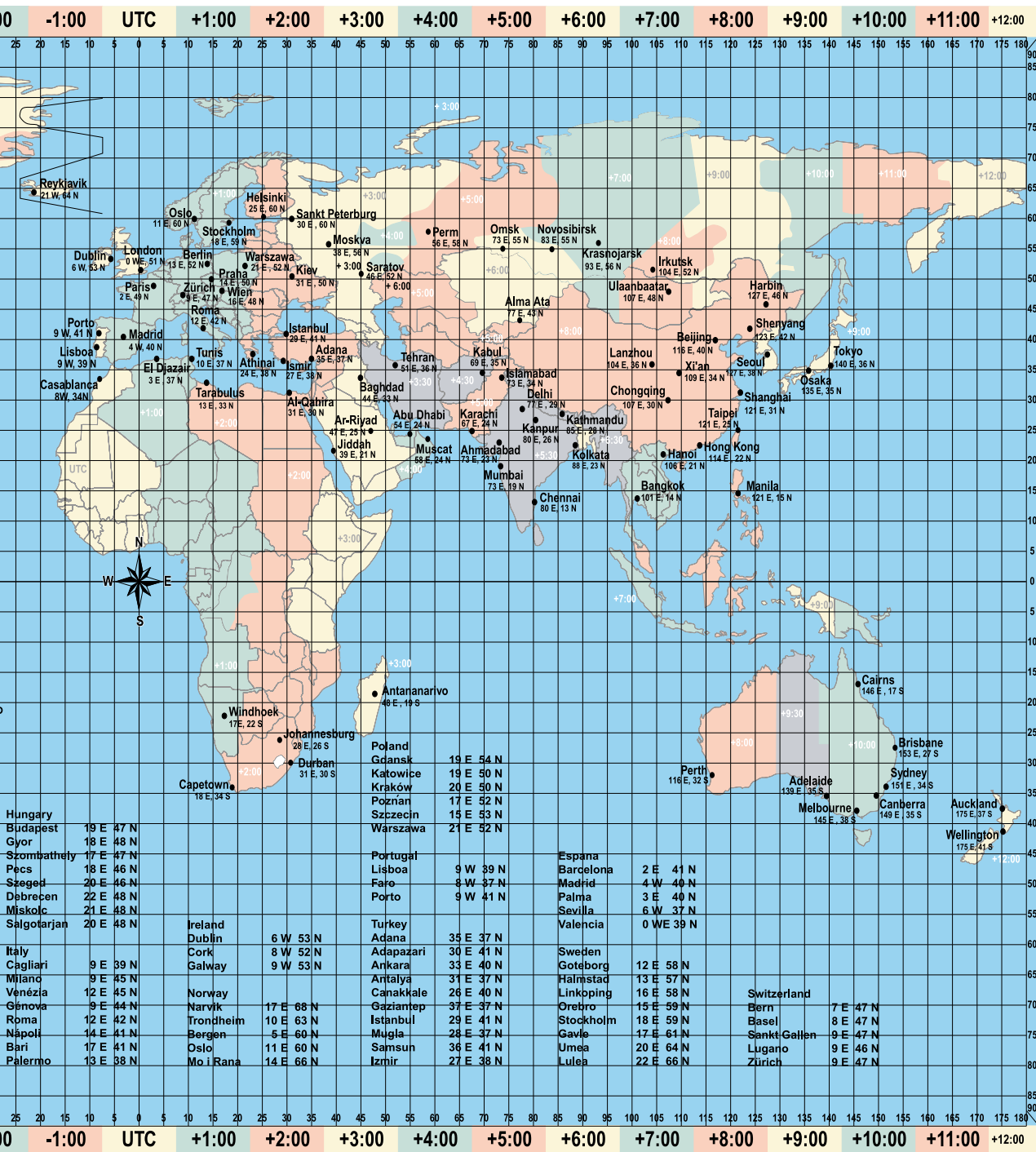


To go back to the previous screen, press the right arrow again. If you press the "back" arrow or if the tool display goes out after 2 minutes, you will need to reimport the data.



2- Menu and parameters

TOOL MENUS IN BEDHEAD STRIP MODE		PARAMETERS		
		FACTORY	POSSIBLE RANGES	RECOMMENDATION
BASIC PARAMETERS	Date	xx/xx/12	01/01/2012 - 31/12/2255	Commissioning date
	Time	xx Hxx Min xx Sec	00 H00 Min 00 Sec - 23 H 59 Min 59 Sec	Commissioning time
	Setpoint	0300 Lux	0-1275 Lux	100 lux
	Summer time	Europe	None - Europe - United States	Commissioning location
	Country	France	Algeria ... Switzerland	Commissioning country
	Time zones	GMT: +00 H00 Min	See map of time zones	Commissioning time zone
ADVANCED MODE	Calibration	Value measured by the bedhead strip during import	—	With luxmeter (follow the procedure)
	Light regulation	Enabled	Enabled - Disabled	Enabled
	Provision of light	Auto	Auto - 5-1275 Lux	Auto
FILES	Standard file	—		
TEST	Walk test	—		
	End time delay	—		
	Initial state	—		
	ON	—		
	OFF	—		
SETTINGS	Languages	English		
	Version	Firmware: 2.4.5		
	Battery	Battery level		

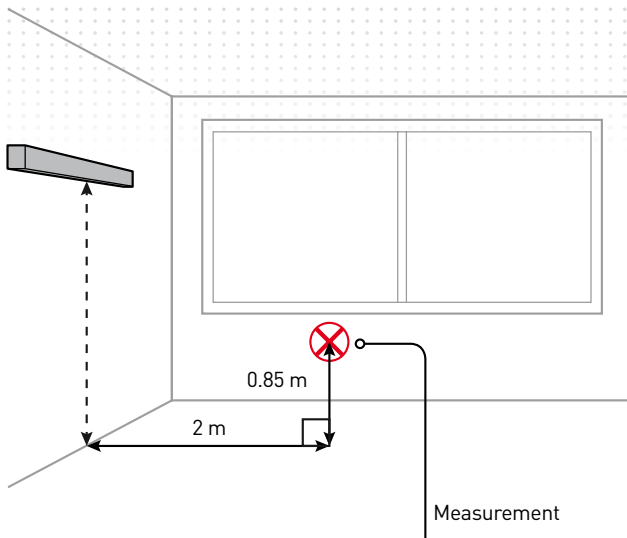


SETTING THE BEDHEAD STRIP PARAMETERS FOR THE 1ST ROOM

continued

4- Calibrating the light level cell in the bedhead strip

with a luxmeter



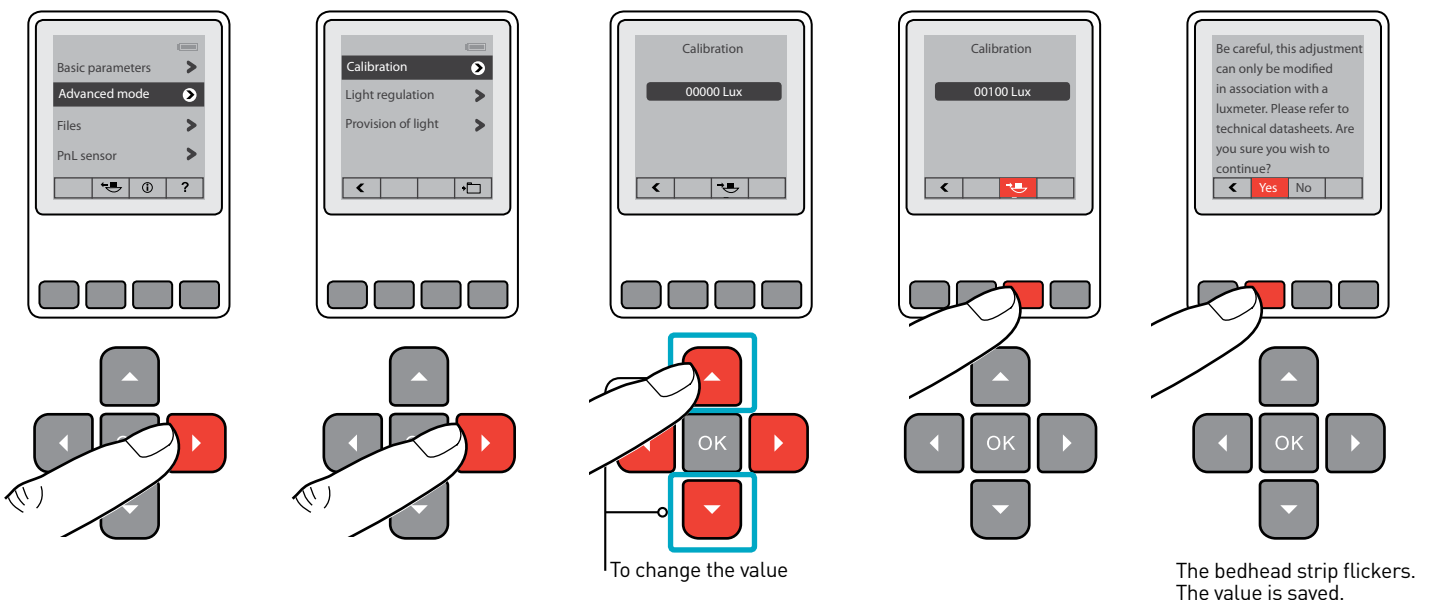
1 Switch off the bedhead strip and other lights in the room

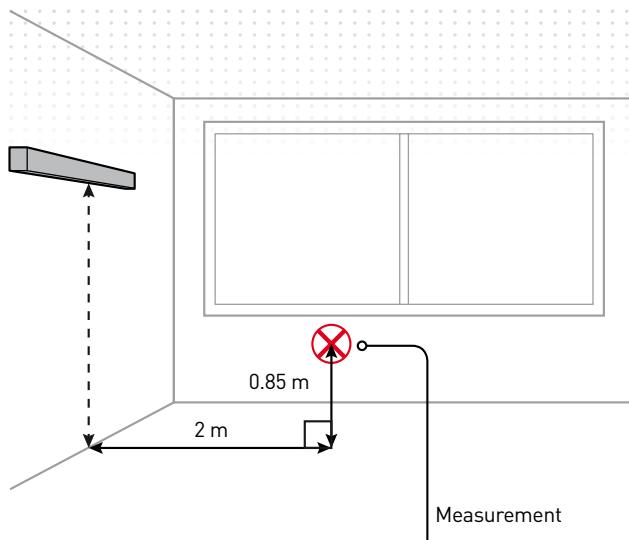
2 Measure the level of light with a luxmeter

Position the luxmeter 0.85 m from the ground and 2 m from the bedhead strip (at right-angles). Be careful not to cast a shadow over the luxmeter.

3 Enter the luxmeter value in the configuration tool

In advanced/calibration mode, enter and then send the value to the bedhead strip.





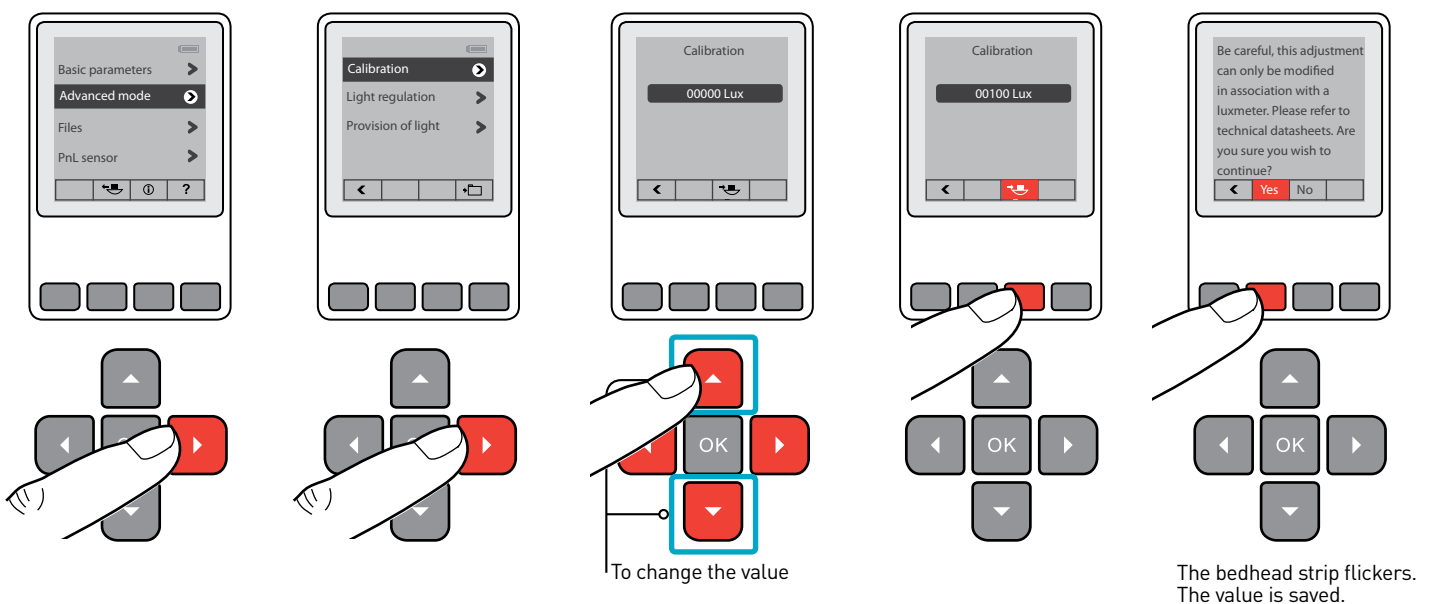
4 Switch on just the bedhead strip and close the blinds

5 Measure the level of light with a luxmeter

Position the luxmeter 0.85 m from the ground and 2 m from the bedhead strip (at right-angles). Be careful not to cast a shadow over the luxmeter.

6 Enter the luxmeter value in the configuration tool

In advanced/calibration mode, then send the value to the bedhead strip.



SETTING THE BEDHEAD STRIP PARAMETERS FOR THE 1ST ROOM

continued

5- | Function test

This bedhead strip has dynamic lighting which dims according to the ambient light (brightness) and an on/off light for reading.

The dynamic lighting is switched on manually and can go out automatically if sufficient external light is provided, depending on the light level setpoint saved in the bedhead strip.

The pull cord controls the reading light with a push-button function (NO) and can be replaced by a magnetic socket 0 782 45/47 with its hand-held remote control unit 0 782 42/44.

The push-button switches the room lighting on/off: short press (between 0.5 and 1.5 seconds). The push-button also dims the room lighting: long press (more than 1.5 seconds).

1 ON/OFF test:

on room lighting push-button (bedhead strip + room entrance)

2 Make the room dark:

close the room blinds

3 Switch the room lighting back on

3 Open the blinds:

this increases the provision of external light.

- **Wait 20 to 30 minutes and check** whether the bedhead strip lighting level decreases.
- **Check the LED colour temperature** according to the test time (see graphs opposite).

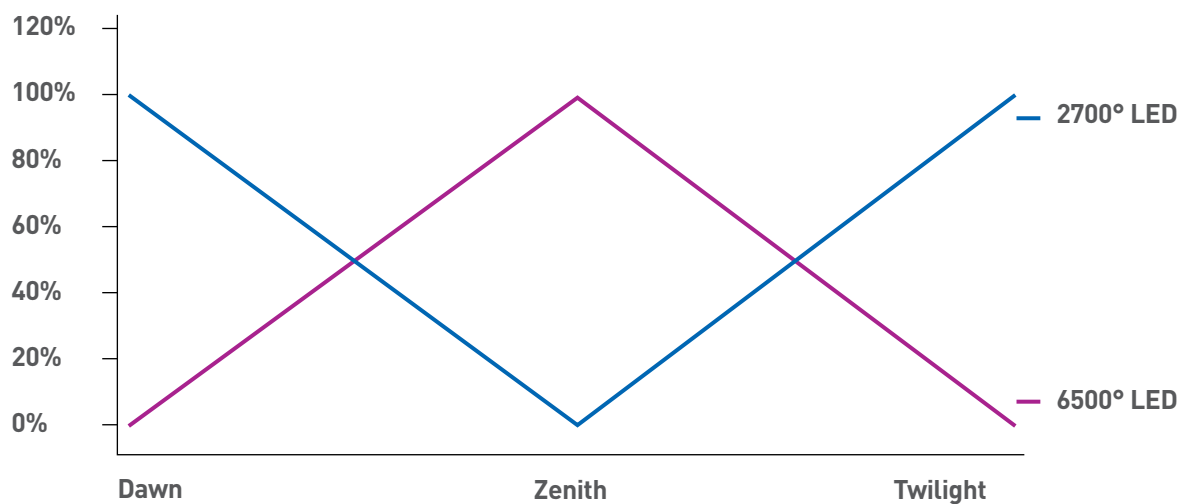
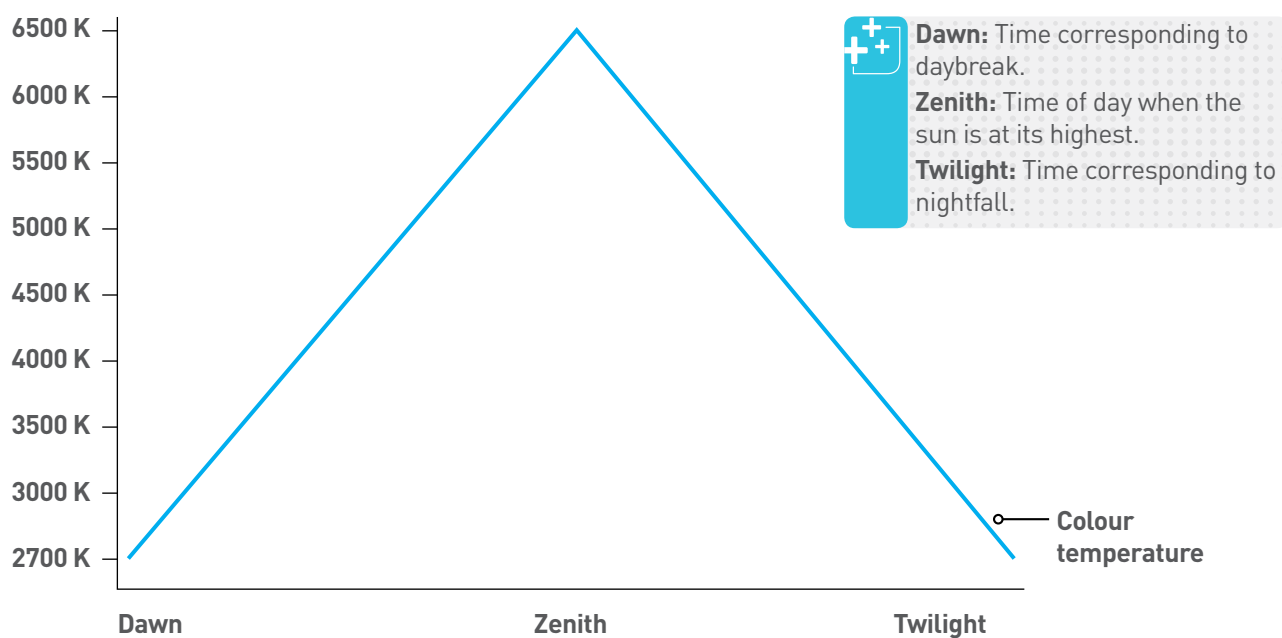
Example:

Noon → white LEDs only (6500 K)

Evening → yellow LEDs only (2700 K)



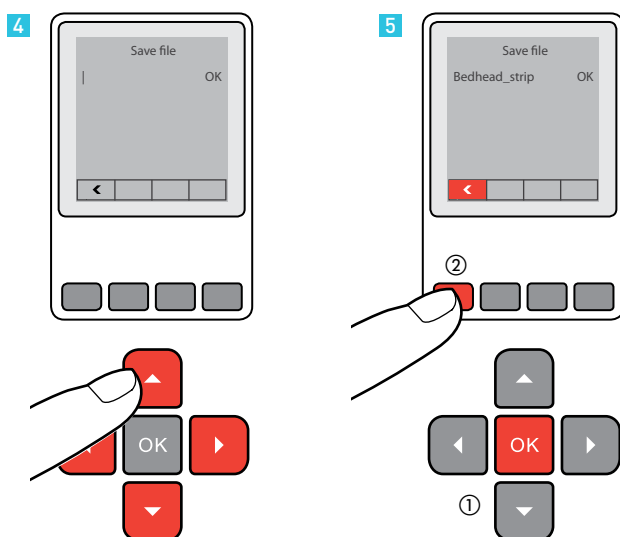
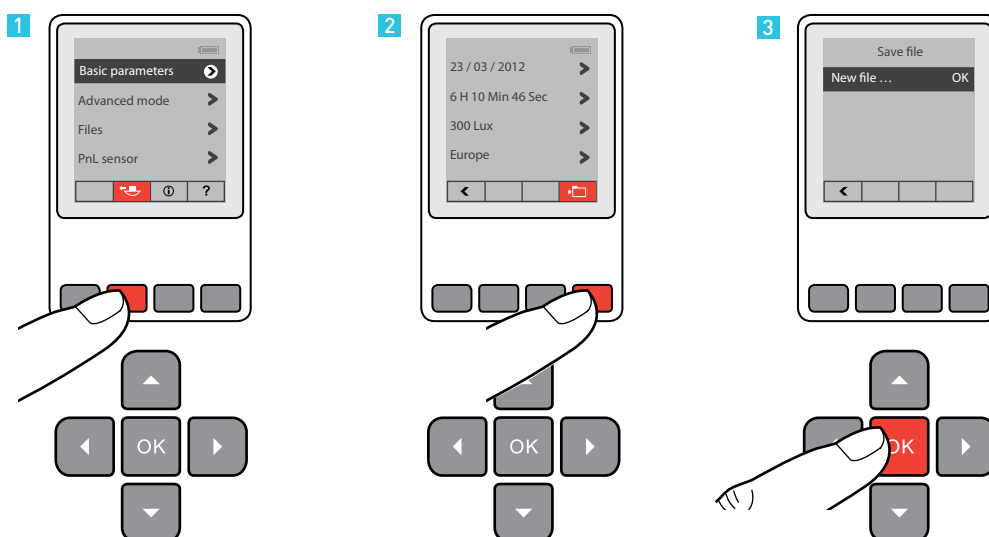
To check the colour emitted by the LEDs, place a white sheet of paper over the bedhead strip.



SETTING THE BEDHEAD STRIP PARAMETERS FOR THE 1ST ROOM

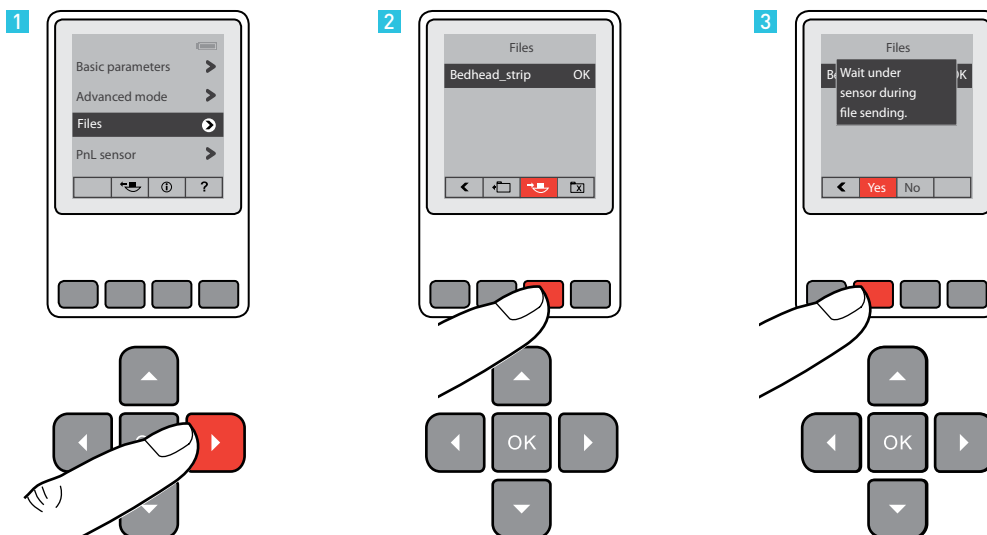
continued

6- Saving/Importing the bedhead strip parameters



15 characters max.
and press OK

SETTING THE BEDHEAD STRIP PARAMETERS FOR OTHER ROOMS



This file contains the saved date and time of the 1st bedhead strip parameter settings.

2 solutions for updating this data:

- Reimport the parameters for the bedhead strip in the previous room, then send them to it immediately (< 30 s).
- Send the initial file to the bedhead strip and change the date and time.




DIAGNOSTICS

PROBLEMS	CAUSES	SOLUTIONS
The light does not go out when there is sufficient natural light	Calibration problem	Refer to the Adjusting parameters section. Repeat the procedure described.
The light goes out when there is insufficient natural light	Calibration problem	Refer to the Adjusting parameters section. Repeat the procedure described.
The colour is not appropriate for the time	Incorrect location parameter in the bedhead strip	Refer to the Bedhead strip location section. Update the location parameters.
No variation in colour	LED strips not working properly	Press the switch and check that both strips light up during the day (Dawn → Twilight). The colour does not change at night (Twilight → Dawn). Check that the bedhead strip date and time are correct.





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