Calibration procedure Casambi (en)

Measuring (AdaptivDIM)

When commissioning for the first time, the dimmer will calibrate accordingly to the connected load (duration max. 60 sec.).

In factory default state or after a reset, the calibration starts with the Automatic mode, which means AdaptiveDIM automatically determines the stable lowest brightness, the ideal characteristic curve and the cutting method during the initial setup.

After changing the type or number of luminaires, the device must be recalibrated.

On Casambi enabled devices the measurement process can be done on the fly via the APP.

NOTE

During the meassurement the luminaires may flicker. This is system-immanent and not a defect of the device.

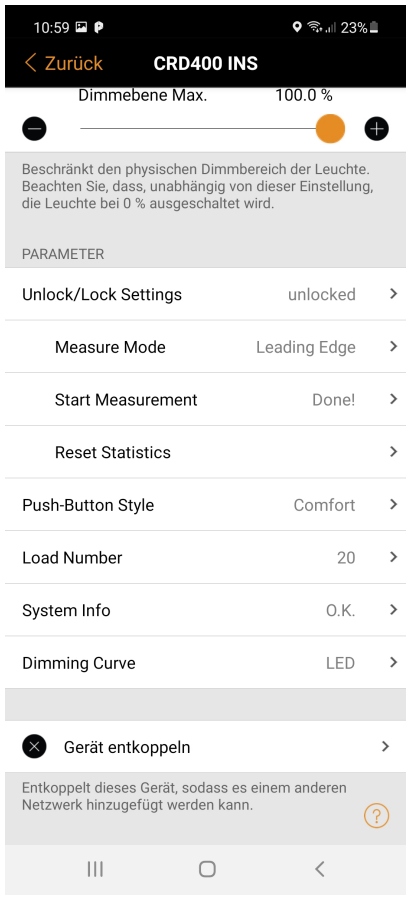
The calibration must be completed and shall not be interrupted by switching off the device, otherwise the procedure must be repeated.

Meassure mode

A measurement mode must be selected in order to determine the phase cutting method.
A calibration is performed during initial commissioning and can be triggered manually via the Casambi app if required.

In addition, the following steps are necessary:

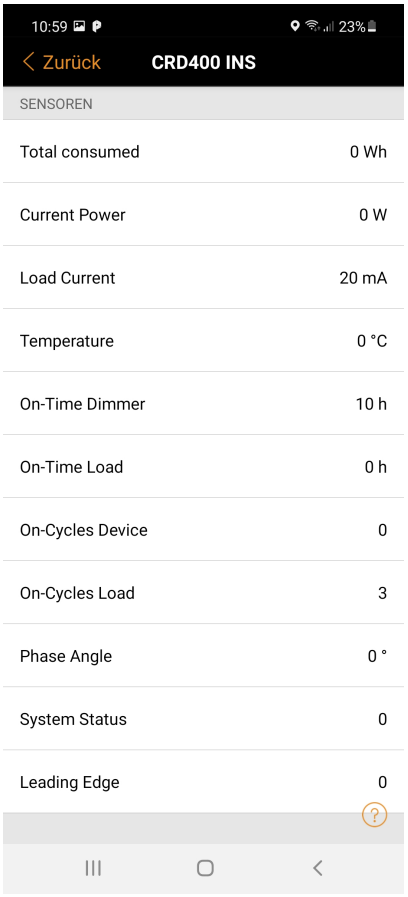
1. Open Casambi App
2. Open dimmer settings with double click
3. Set Unlock/Lock settings to unlocked
4. Select a measurement method under parameter Measure Mode
5. Select Start measurement
6. The connected LED will now be measured again and confirmed with Done!



Meassure modes	
Automatic	Automatic measurement determines automatically phase cutting mode and dimming curve for best possible dimming result. Hint: With the exception of copper transformer, trailing edge phase cutting mode is used.
Trailing Edge	Applicable on LED luminaires or incandescent lamps, the appropriate dimming curve is set, trailing edge phase cutting mode is used.
Leading Edge	If a copper transformer is dedected, leading edge phase cutting mode is used.
Zero Cross Switch	If the load is not or insufficient dimmable or this mode is selected manually, mains is switched ON and OFF at zero voltage crossing.

The cutting method with which the dimmer works can be displayed under Settings > Sensors > Leading Edge:

- Leading Edge = 0 > Trailing edge phase cut is used
- Leading Edge = 1 > Leading edge phase cut is used



Load numbers - max. number of luminaires of the same type

In order to optimally use the dimmer and to see how many luminaires of the same type can be used, it is possible to determine the load number of the luminaire. To do this, measure with a single luminaire.

The determined load number can be found in the Casambi APP under Parameters, it shows the quantity of possible luminaires of the same type.

NOTE

A load number is only available for lamp type LED, the integrated load number display is a recommendation and helps to determine the maximum number of luminaires.

Please also refer to the note on " Power calculation retrofit dimmer" in chapter 5.

In addition, the following steps are necessary:

1. Open Casambi App
2. Open Dimmer settings with double click
3. Set Unlock/Lock settings to unlocked
4. Select Load number
   The load number is displayed next to the parameter
5. If the result is N/A please measure again with several lamps
   Number of connected illuminants x displayed load number = quantity of possible illuminants