

REWARDING BRIGHTNESS



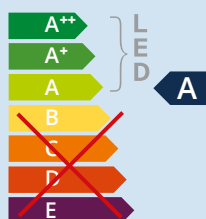
## Downlights

## Linea 185 LV/RGB

### Fixed

### Specifications

|                            |                             |
|----------------------------|-----------------------------|
| Colour white               | Matte white RAL 9016 (=MW)  |
| Colour black               | Matte black RAL 9005 (=BL)  |
| Beam angle (FWHM)          | 60°                         |
| Fixture material           | Diecast aluminium           |
| Environment                | Indoor, cove lighting       |
| IP rate                    | IP20 / IP44                 |
| IK rate                    | IK02                        |
| Operating temperature (Ta) | -20°C / +45°C               |
| Safety marks               | EN60598 / EN62031 / EN62471 |
| EMC compliance             | EN55015                     |
| Warranty                   | 7 Years                     |


 This luminaire contains  
built-in LED lamps

 The lamps cannot be changed in  
the luminaire.


874/2012



**170-175 mm:** For soft mineral ceilings, turn the front ring clockwise after installation. We recommend removing the designated tile from the ceiling when installing the luminaire.

**185-210 mm:** For plasterboard ceilings or similar harder materials.

Only when the product is installed in a closed ceiling may it be exposed to water splashes, and only on its front side.

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## Item specifications

(part A)

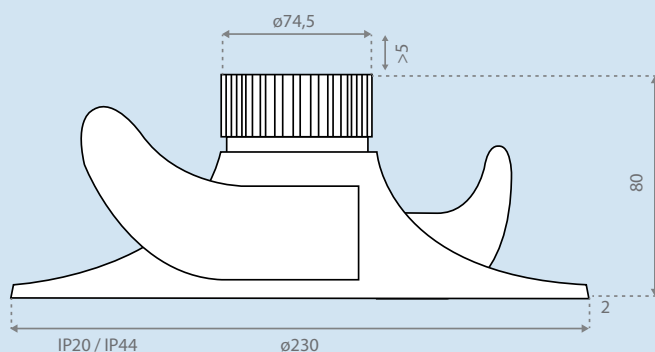
| Description                            | Item code    | Type      | W   | Lm/W    | Input    | CRI (typ.) | Pf   | Inrush current | B-16A Fuse | Energy class |
|--|--------------|-----------|-----|---------|----------|------------|------|----------------|------------|--------------|
| Linea 185 LV/RGB 1000 Lm 1800-4000K MW | 876503MW0614 | Incl. PSU | 19W | 52 Lm/W | 220-240V | 85-97      | 0.60 | 27A 250µS      | 27         | A            |
| Linea 185 LV/RGB 1000 Lm 1800-4000K BL | 876503BL0614 | Incl. PSU | 19W | 52 Lm/W | 220-240V | 85-97      | 0.60 | 27A 250µS      | 27         | A            |
| Linea 185 LV/RGB 1000 Lm 1800-4000K MW | 876503MW0602 | Excl. PSU | 16W | 63 Lm/W | 24Vdc    | 85-97      | x    | x              | x          | A            |
| Linea 185 LV/RGB 1000 Lm 1800-4000K BL | 876503BL0602 | Excl. PSU | 16W | 63 Lm/W | 24Vdc    | 85-97      | x    | x              | x          | A            |

(part B)

| Description                            | Safety class | Weight | Dimensions single carton | Quantity per carton | Expected lifespan (25°C) |            |            |
|--|--------------|--------|--------------------------|---------------------|--------------------------|------------|------------|
|  |              |        |                          |                     | L70B50                   | L80B50     | L90B50     |
| Linea 185 LV/RGB 1000 Lm 1800-4000K MW | II           | 880 gr | 233x233x85 mm            | 20 pcs              | 80.000 hrs               | 70.000 hrs | 60.000 hrs |
| Linea 185 LV/RGB 1000 Lm 1800-4000K BL | II           | 880 gr | 233x233x85 mm            | 20 pcs              | 80.000 hrs               | 70.000 hrs | 60.000 hrs |
| Linea 185 LV/RGB 1000 Lm 1800-4000K MW | III          | 790 gr | 233x233x85 mm            | 20 pcs              | 80.000 hrs               | 70.000 hrs | 60.000 hrs |
| Linea 185 LV/RGB 1000 Lm 1800-4000K BL | III          | 790 gr | 233x233x85 mm            | 20 pcs              | 80.000 hrs               | 70.000 hrs | 60.000 hrs |

All values are measured at 230V (+/- 7%)

## Dimensions



LUMILEDS

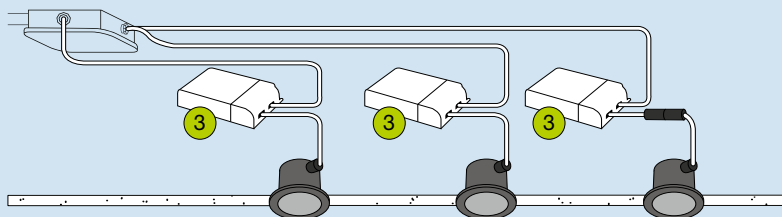
NICHIA

SHC

TE connectivity

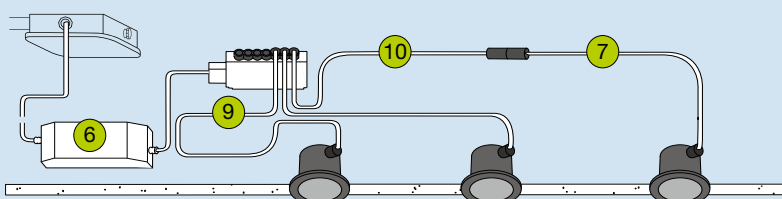
TCI LED professional led applications

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## Individual power supply

| Description  | Item Code    | Watt | Voltage | Efficiency | Pf   | Ripple | Input Voltage | Weight | Inrush current | B-16A Fuse |
|--------------|--------------|------|---------|------------|------|--------|---------------|--------|----------------|------------|
| PSU 4951 (3) | 495105BLT002 | 22W  | 24Vdc   | 85%        | 0.60 | <3%    | 220-240V      | 106 gr | 27A 250μS      | 27 Pcs     |

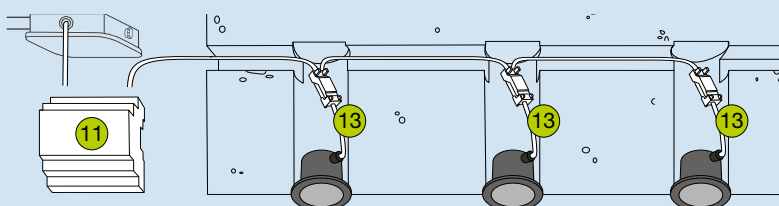


## Central power supply

| Description  | Item Code    | Watt | Voltage | Efficiency | Pf   | Ripple | Input Voltage | Weight | Inrush current | B-16A Fuse |
|--------------|--------------|------|---------|------------|------|--------|---------------|--------|----------------|------------|
| PSU 7038 (6) | 703805000002 | 70W  | 24Vdc   | 91%        | 0.97 | <3%    | 220-240V      | 448 gr | 15A 600μS      | 15 Pcs     |
| PSU 7039 (6) | 703905000002 | 150W | 24Vdc   | 94%        | 0.98 | <3%    | 220-240V      | 582 gr | 35A 1000μS     | 8 Pcs      |

## Connection cable

| Description                                    | Item Code    | Voltage | Weight |
|--|--------------|---------|--------|
| LV cable 6 way distributor 1,0 m (9)           | 639305BL0000 | 24Vdc   | 63 gr  |
| LV plug to LV plug 2,0 m (7)                   | 565205BL1200 | 24Vdc   | 38 gr  |
| LV plug to outlet 2,0 m (extension cable) (10) | 535205BL1200 | 24Vdc   | 34 gr  |



## Central DIN rail power supply

| Description       | Item Code    | Watt | Voltage | Efficiency | Pf   | Ripple | Input Voltage | Weight | Inrush current |
|-------------------|--------------|------|---------|------------|------|--------|---------------|--------|----------------|
| PSU MW DR60 (11)  | 704005000002 | 60W  | 24Vdc   | 84%        | 0.92 | <3%    | 220-240V      | 296 gr | 35A            |
| PSU MW DR100 (11) | 704105000002 | 100W | 24Vdc   | 89%        | 0.92 | <3%    | 220-240V      | 342 gr | 45A            |

## Connection cable

| Description                          | Item Code    | Voltage | Weight |
|--------------------------------------|--------------|---------|--------|
| LV plug to connection box 0,2 m (13) | 555205BL0000 | 24Vdc   | 32 gr  |

# Instruction manual BLE-ND

This instruction manual provides the information to get started with the BLE-ND APP from the installation to the final configuration of the BLE ledspots.

## 1) Installing BLE-ND APP

To control BLE spots the BLE-ND APP is available in the APP store and can be found by entering “ble-nd” in the search area. The APP requires iOS 8.0 or newer.



figure 1: BLE-ND APP in Appstore

## 2) First time use

When the APP is being used for the first time, a short tutorial is shown which explains the basic functionality.

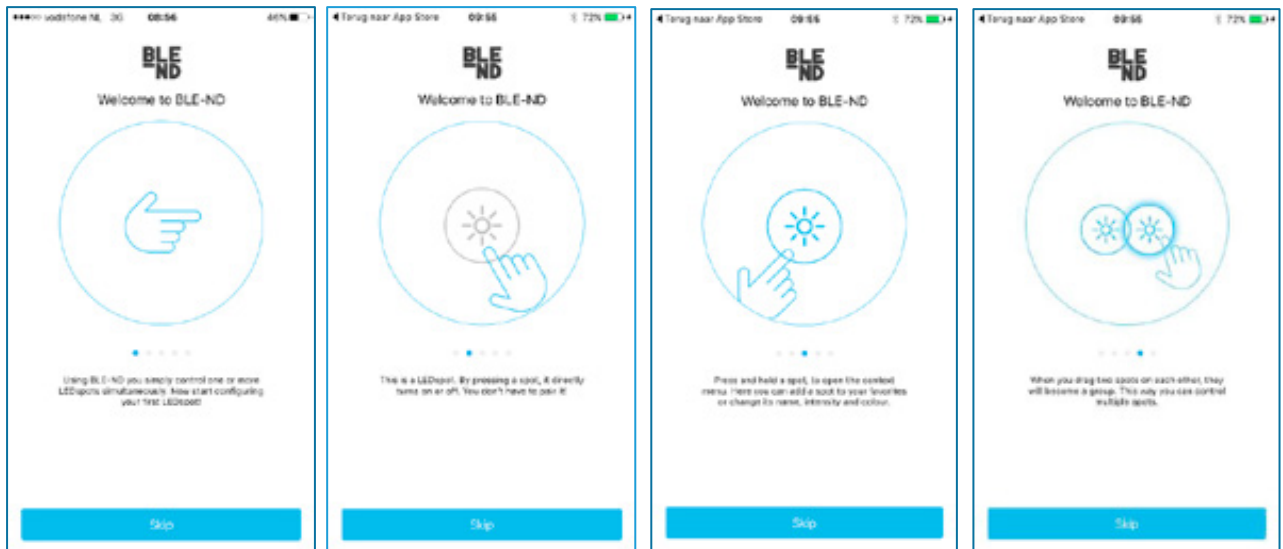


figure 2: tutorial screens

## 3) Your Ledspots

After the tutorial the “your ledspots” main screen is shown (figure 3). This screen will be shown every time the APP is started. Note that ledspots should always be configured in the APP before use.

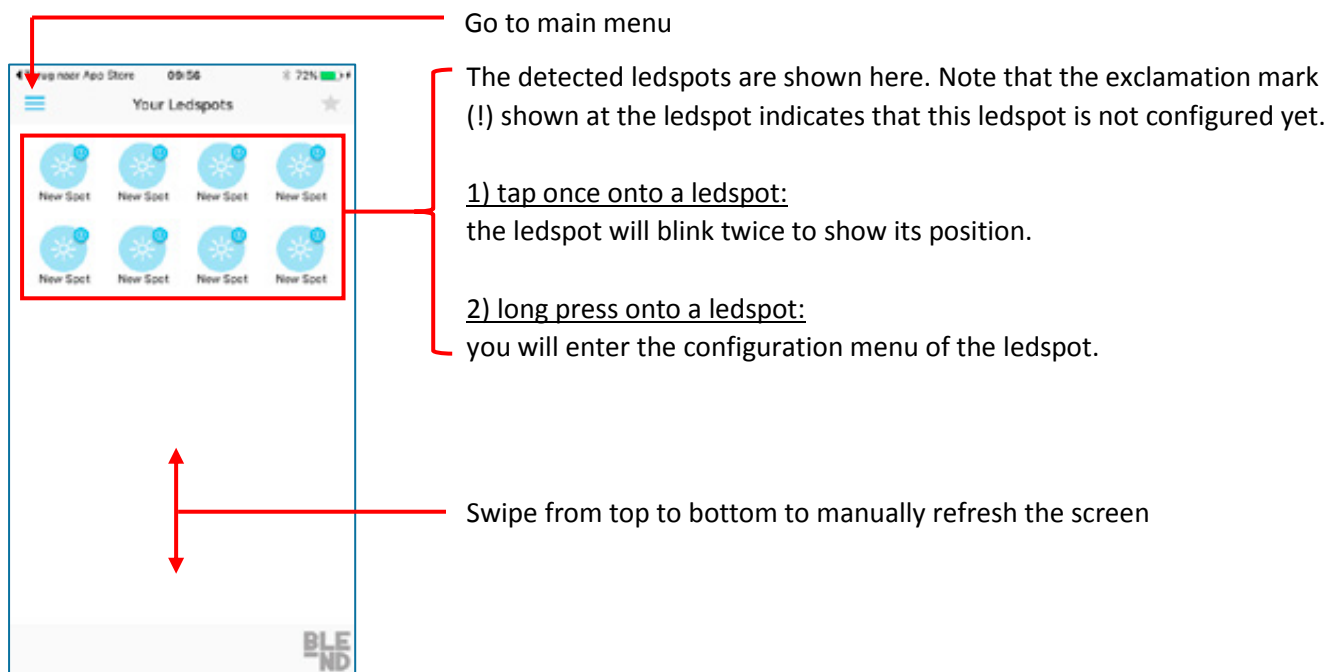


figure 3: “your ledspots” main screen

#### 4) Configuring ledspots

With a long-press onto an unconfigured ledspot, the configuration menu is shown. Here the spot can be given a certain name, color and intensity. The configuration will automatically be saved when the back symbol (" < ") is pressed.

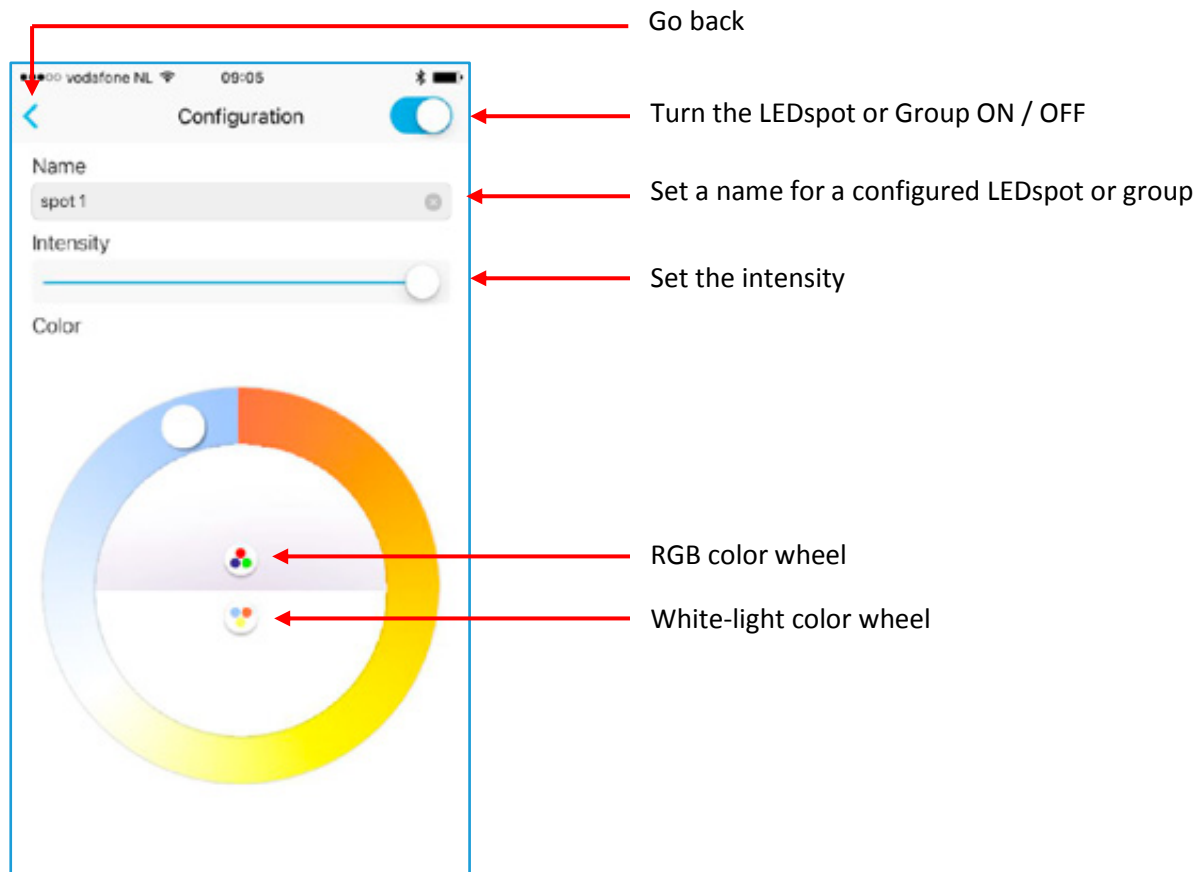


figure 4: configuration screen

When a spot is configured, the exclamation mark is removed as shown below.

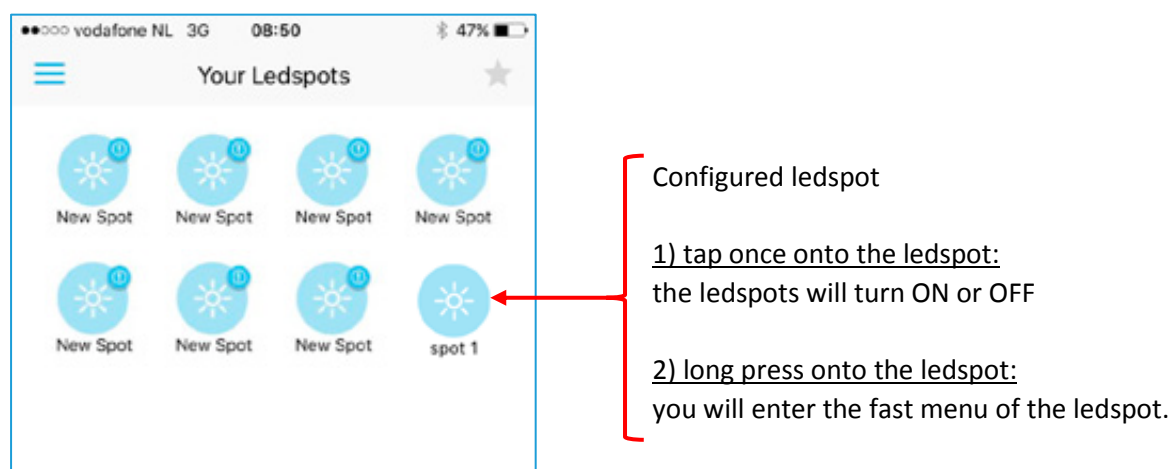
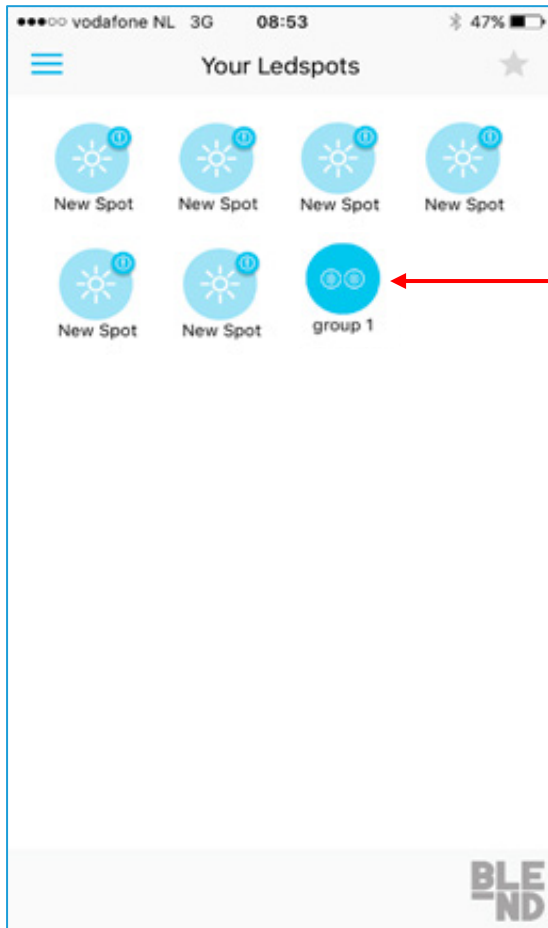


figure 5: main screen with configured ledspot

## 5) Make groups

Groups can only be made with configured ledspots by dragging a configured ledspot over another ledspot. When doing so, the configuration window is shown where a group name, color and intensity can be set. A group can consist of a minimum of 2 and a maximum of 6 ledspots.



Group symbol

1) tap once onto a group:  
the group of ledspots will turn ON or OFF

2) long press onto a group:  
you will enter the fast menu of the group.

figure 6: main screen with configured group

## 6) Fast Menu

The fast menu will be shown after a long-press onto a configured ledspot or group.

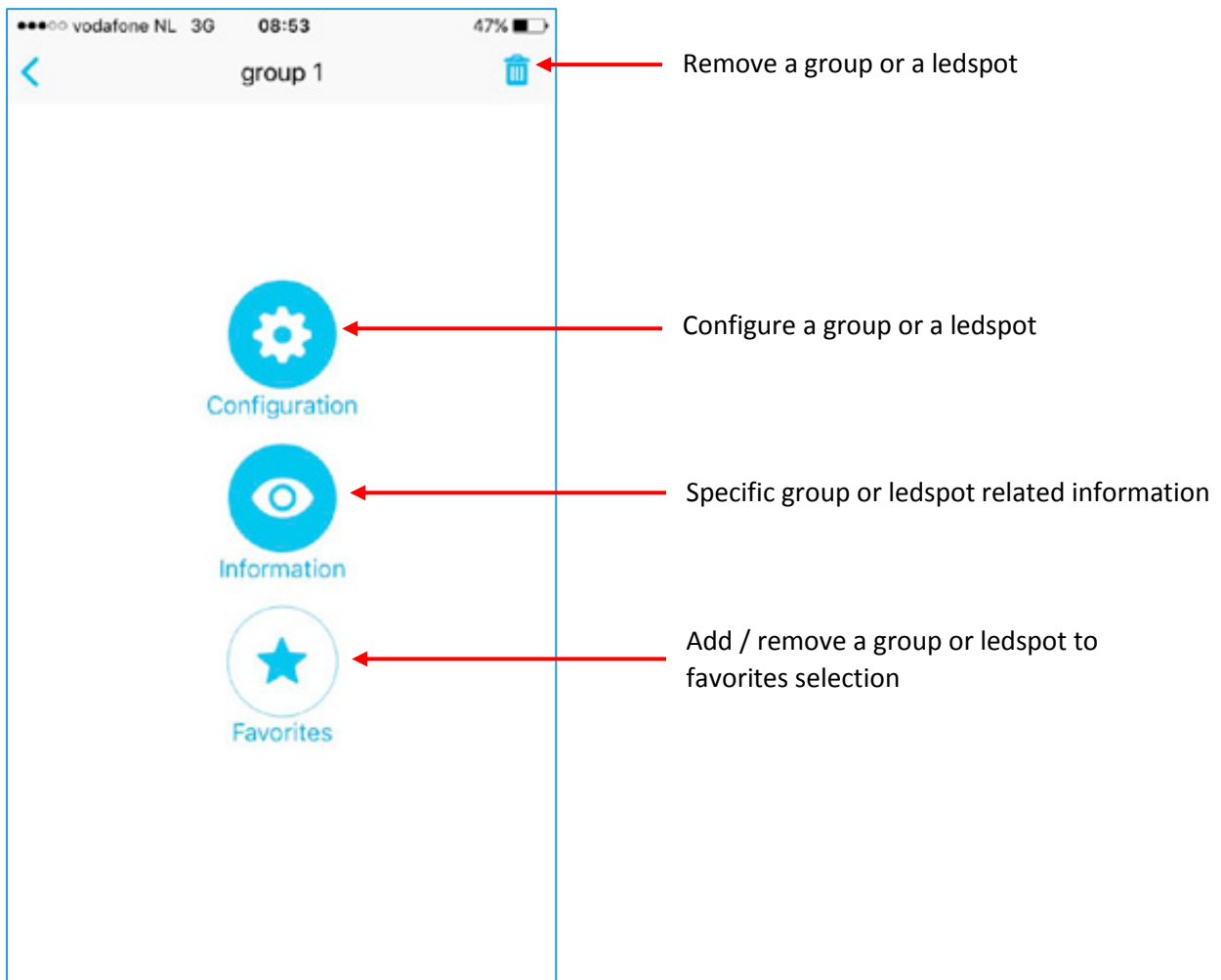


figure 7: fast menu

## 7) Remove a group or single ledspot

### Remove group at once

A ledspot or group can be removed via the fast menu. When removing a group of ledspots, all spots in the group will be removed at once. The removed ledspots will be shown again in the “your ledspots” main screen (figure 3).



### Remove specific ledspots from a group

Specific ledspots can be removed from a group via the “Information” button.

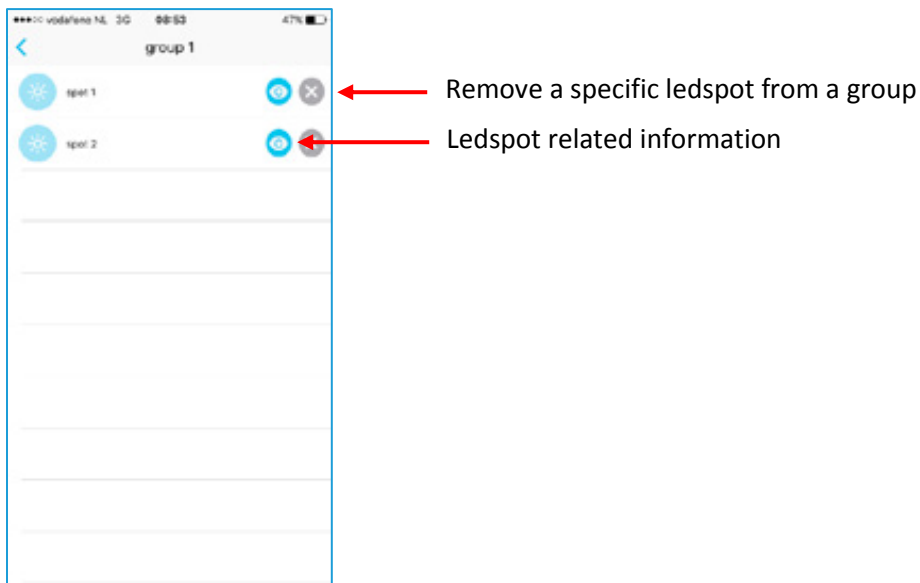


figure 8: information screen

### Remove single ledspots

When a single ledspot is removed, it will be shown in the “your ledspots” main screen as unconfigured ledspots (“new spot”).

## 8) Favorites

Ledspots or groups can be added to favorites via the fast menu (figure 7) by pressing the “Favorites” symbol.

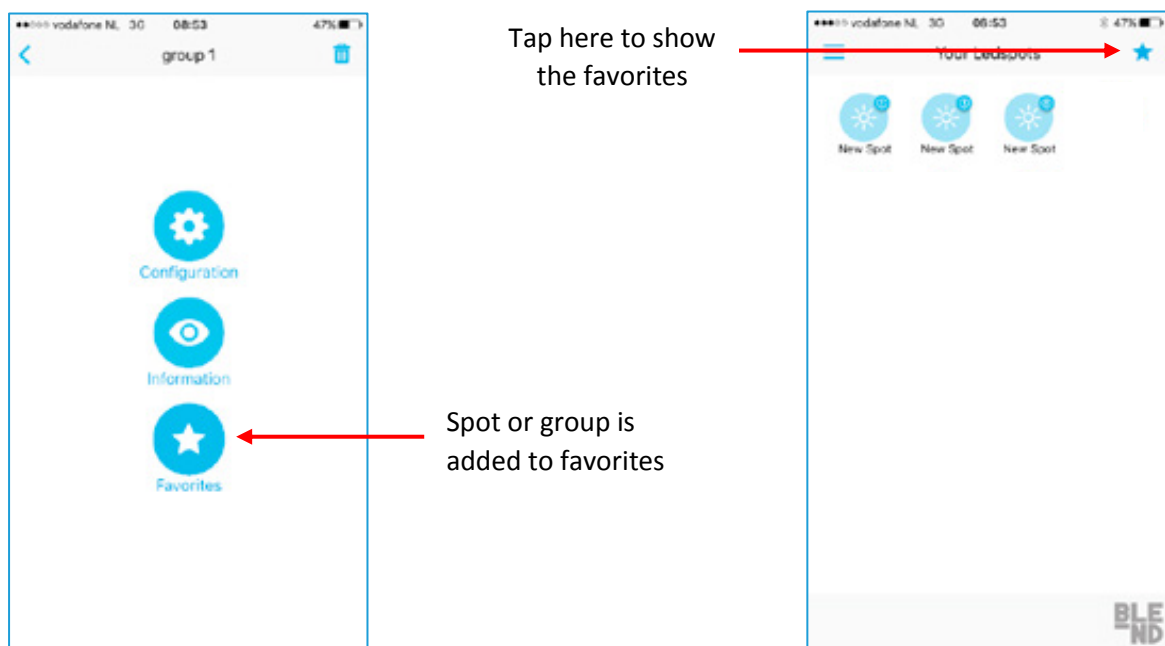


figure 9: favorites in fast menu and main screen

The spots or groups which are added to favorites can be shown via the favorites icon in the main screen.

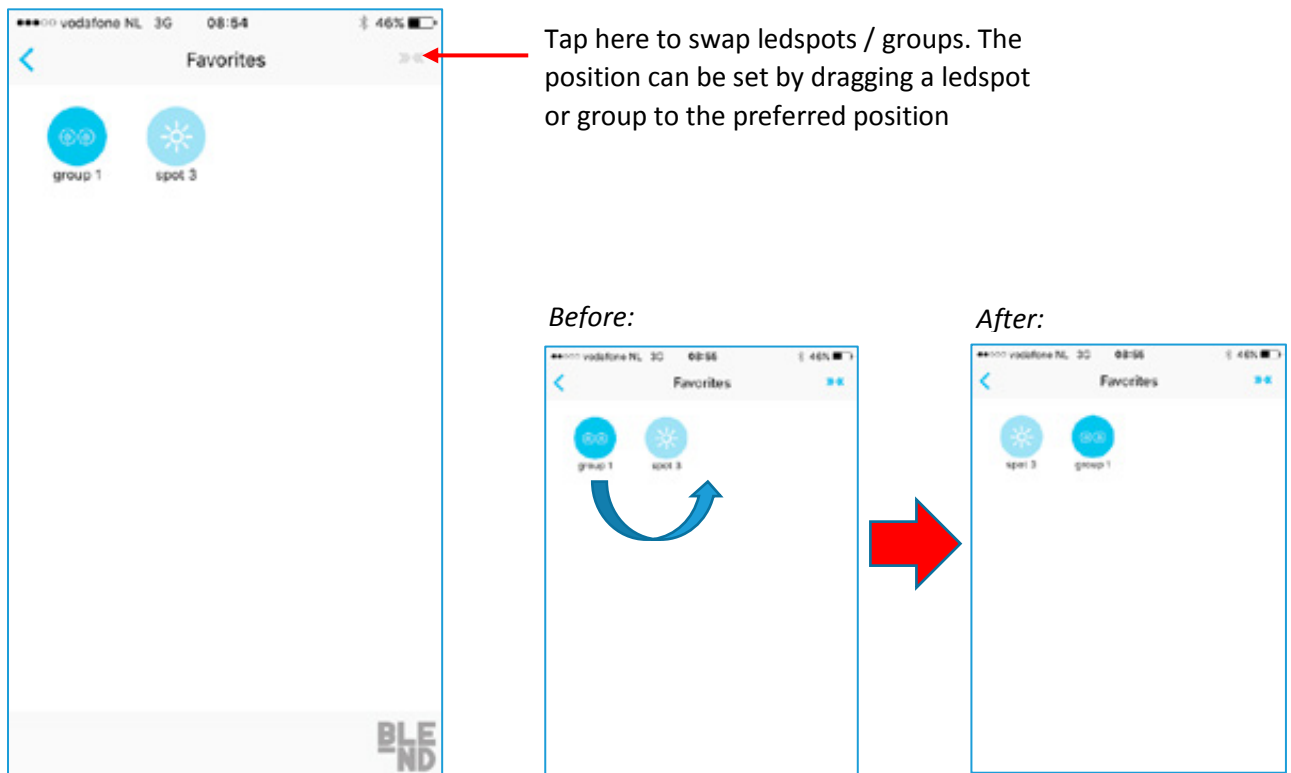







figure 10: swap functionality in favorites screen

When the swap-icon is in OFF state, the same functionality is available as in the main screen (configure ledspots, make groups etc.).

## 9) Overview symbols & indicators

| Symbol  | Meaning  | How to solve?  |
|---|--|--|
| <br>New Spot | Unconfigured ledspot.                                    | Long press onto the ledspot to go to the configuration menu                        |
| <br>spot 1   | Configured ledspot                                       |  |
| <br>spot 1   | Configured ledspot which is not powered or out of range. | Power the ledspot or decrease the distance between the smartphone and the ledspot. |
| <br>group 1  | Configured group   |  |
| <br>group 1  | Configured group with 2 ledspots which are out of range. | Decrease the distance between the smartphone and the ledspots.                     |

### Important note:

The red circle shows the amount of ledspots in a group which are out of range. This indicator is NOT real-time and will only be updated during a manual refresh (figure 3).