

User Guide

# Interact Office Interact Industry



interact

[www.interact-lighting.com](http://www.interact-lighting.com)

# Contents



1. LightProjects



2. LightDashboard



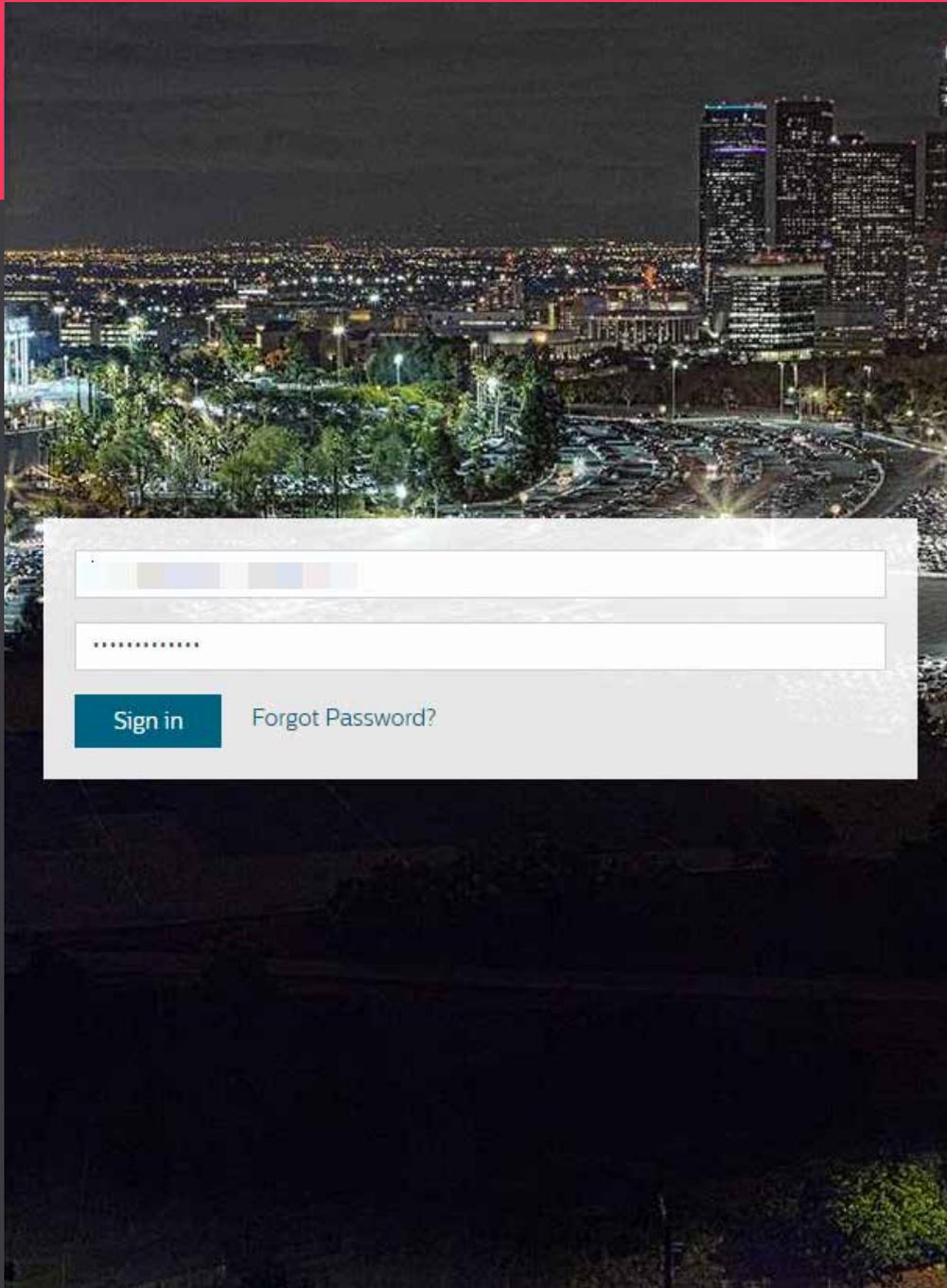
3. LightOperations



4. LightControl



# 01 LightProjects



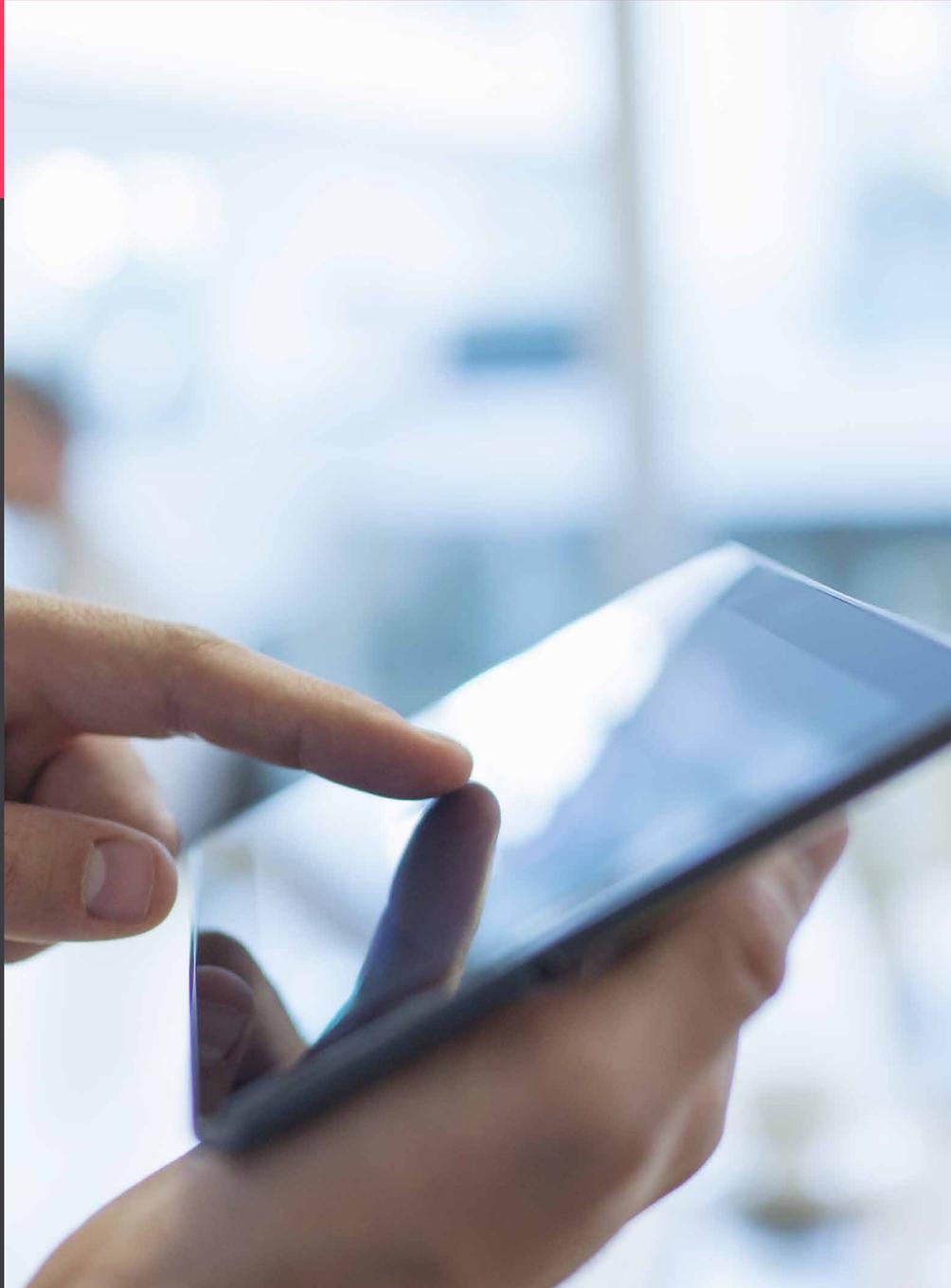
## Log in

Interact Office and Interact Industry are both cloud-based propositions sharing the same system architecture, features and cloud..

In order to access the platform, you need to follow the steps received in the activation email and accept the Terms and Conditions. The following URLs can be used to log in:

- Cloud platform:  
[www.Interact.lighting.com](http://www.Interact.lighting.com)
- Demo case cloud platform:  
[www.demo.interact.lighting.com](http://www.demo.interact.lighting.com)

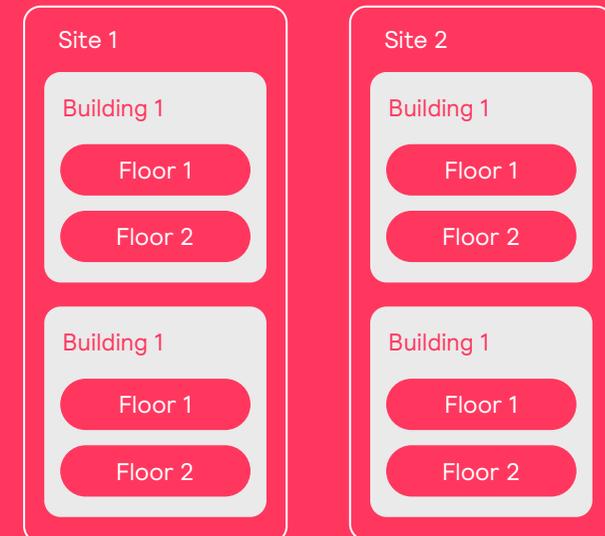
# 01 LightProjects



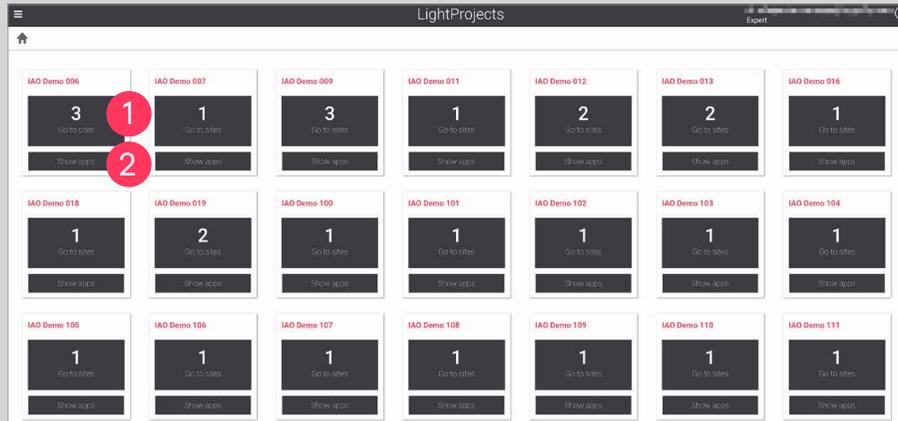
## Select a project, site or building

- As soon as you log in, you see the LightProjects view. The light projects application is divided in multiple levels:
  - Depending on the assigned scope, you see a project, site, building or floor.
  - Each level contains a different window view on the LightProjects dashboard.

### Project



# 01 LightProjects



In this view you can see the projects, sites and buildings you have been assigned to.

1. Click on the **Go to sites** button to see the next sub-level of your project.
2. Click on **Show apps** to see the applications you can access for that project, site or building.

# 01 LightProjects



LightProjects

IAO Demo 115 Demo site 115

1 Add building

2 Building 115

3

**Edit building** X

**Building**

Project IAO Demo 115

Site Demo site 115

Building Building 115

Contact information

Address

Energy consumption baseline

Building information

Cancel OK

Contact information

Name

Title

Email

Phone

## Create a building

### LightProjects Building level

#### Warning

Do not use any special characters in input fields for project, site, building, floor plan, area or luminaire as it causes unforeseen issues. It is recommended to only use ASCII standard characters (A-Z,a-z,0-9).

Open the site, and select a building to see this view.

1. Click the **Add building** button to create a new building. Type in the name of the building and click **Ok**.
2. Click the **Edit** icon to edit the building properties.
3. Fill in the information about the building. **Energy consumption baseline** is required to display energy savings in the Dashboard.
4. Enter **Contact information**.

# 01 LightProjects



Address 5 ⓘ

Search address

Country \*

State \*

City \*

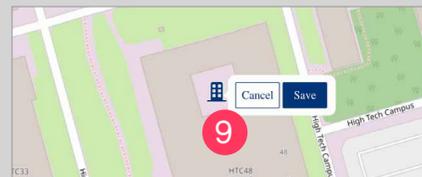
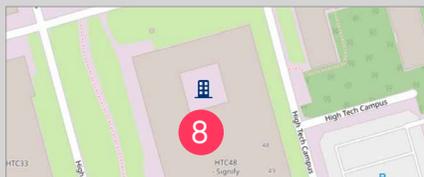
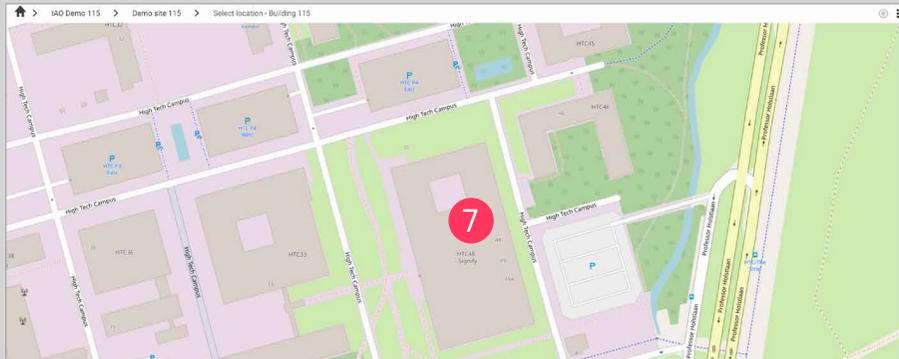
Postal code \*

Street \*

House No \*

6 Building not found, click to set the coordinate

Fields with \* are required.



5. Enter the **Address** of the building.
6. If your address can not be found, you can click on **Building not found**, click to set the coordinate, to set the exact location using a map.
7. Look for your building in the map and click on the spot where it is located.
8. Click on the **Building** icon.
9. Click on the **Save** button to confirm and finalize the process.

# 01 LightProjects



### Edit building

**Building**

Project: IAO Demo 115

Site: Demo site 115

Building: Building 115

**Contact information**

**Address**

**Energy consumption baseline**

Energy settings

Total installed power: 1 kW *i*

Standby total power: 0 kW *i*

Energy baseline:  Dynamic *i*

Work hours: 08:00 - 17:00

Mon Tue Wed Thu Fri Sat Sun

**Building information**

Cancel OK

## LightProjects setting Energy consumption baseline

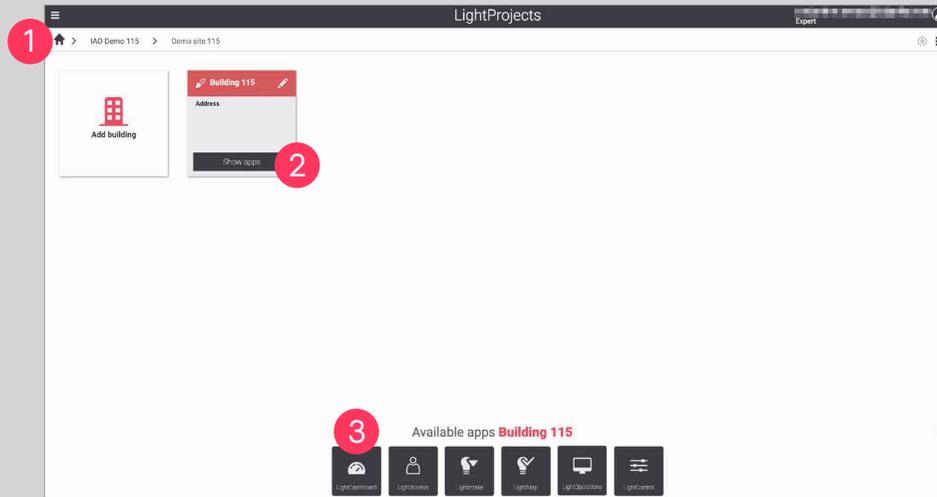
This is an optional building property in case you are replacing existing lighting infrastructure and want to get an estimate on the new power consumption compared to the old one.

It is displayed on the **Energy Dashboard** as a baseline to provide insights on energy savings.

Click on the *i* icon to get a detailed explanation of every parameter.

The energy baseline for the existing installation is set by filling the **Energy consumption baseline** tab, but if the information is not known, by filling all the parameters in the **Building information** tab the system will calculate it for you.

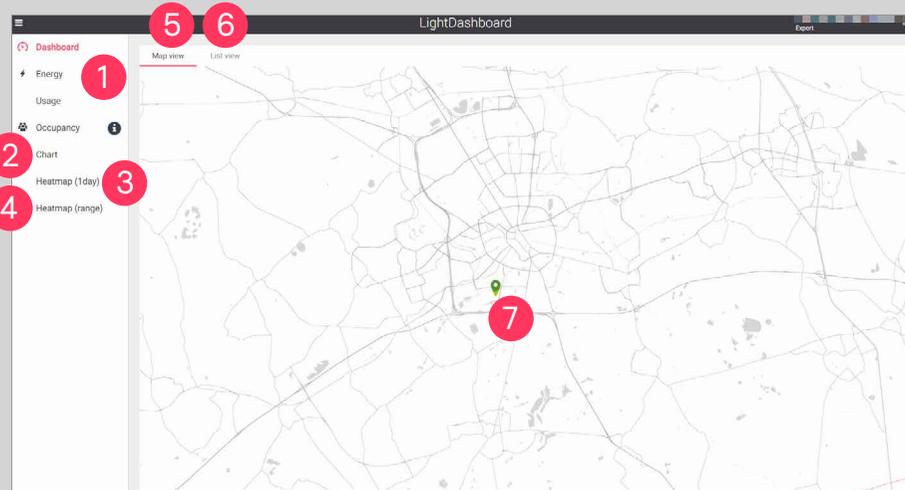
## 02 LightDashboard



1. Go to the LightProjects home view.
2. Select the building and click the **Show apps** button.
3. Select the LightDashboard application.



# 02 LightDashboard

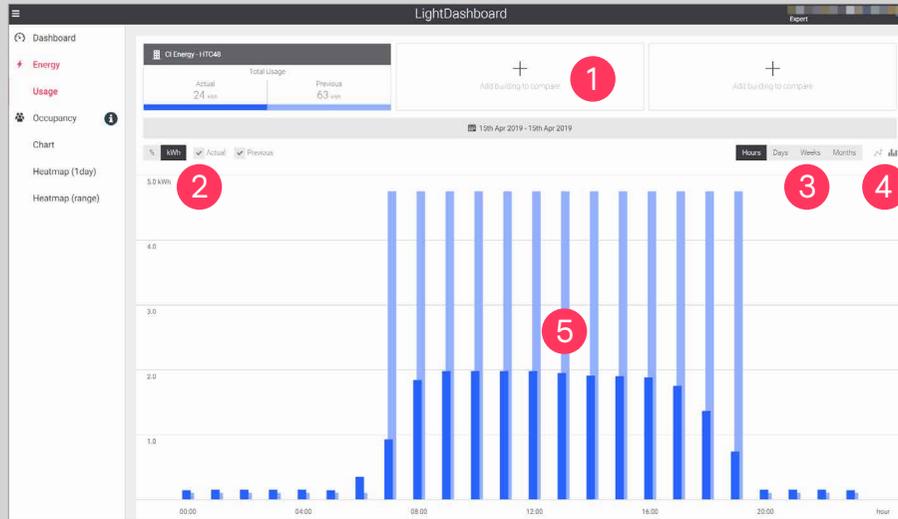


## LightDashboard

1. Click the **Energy** button to see Energy consumption reports.
2. Under the **Occupancy** pane, click the **Chart** button to see occupancy usage over a day, week or month.
3. Under the **Occupancy** pane, click the **Heatmap (1day)** button to see a heatmap representation reported by PIR motion sensors.
4. Under the **Occupancy** pane, click the **Heatmap (range)** button to see a heatmap representation for a date range.
5. Click on the **Map view** tab to see the building address and coordinates.
6. Click the **List view** tab to see a list of buildings.
7. Click the **green** waypoint to select a building.



# 02 LightDashboard



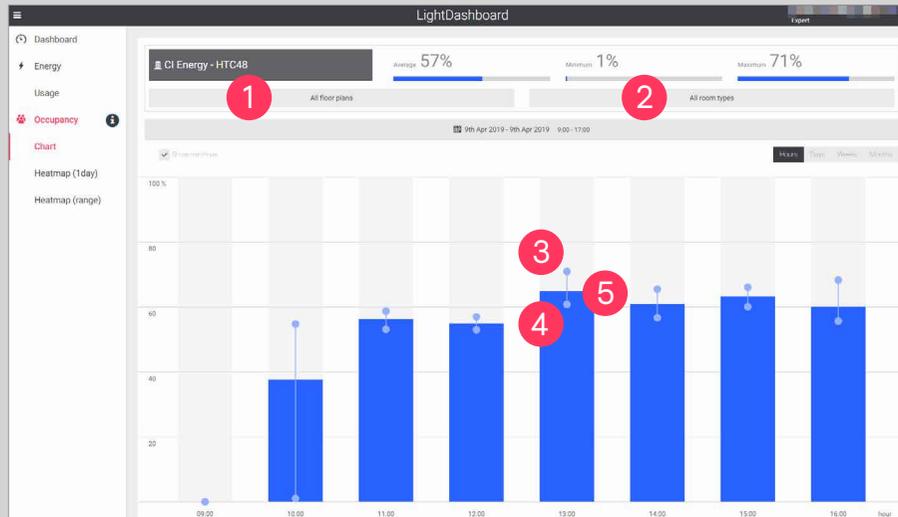
## Energy consumption

1. Click the **Add building to compare** button to add another building and compare energy consumption.
2. Click the **Actual** checkbox to filter out between **Previous** and **Actual** energy consumption. Click the **kWh** or **%** buttons to view either actual consumption or percentage.

### Note

Percentage only works when you select more than one building to compare.

3. Click the **Hours**, **Days**, **Weeks** or **Months** buttons to filter over a timespan.
4. Click the **bar**  or **line**  icons to select between types of charts.
5. Notice the light blue bar, which is the previous base power consumption and the dark blue bar, which is the current power consumption.



## Occupancy chart

1. Click the **All floor plans** button to select and view a floor.
2. Click the **All room types** button to filter which room types you want to see on the charts.
3. Maximum energy consumption.
4. Minimum energy consumption.
5. Average energy consumption.

### Note

The chart represents the percentage of occupancy recorded by the PIR sensor and sent every two minutes. If there is occupancy at least once over a minute, it sends a metric for that minute.

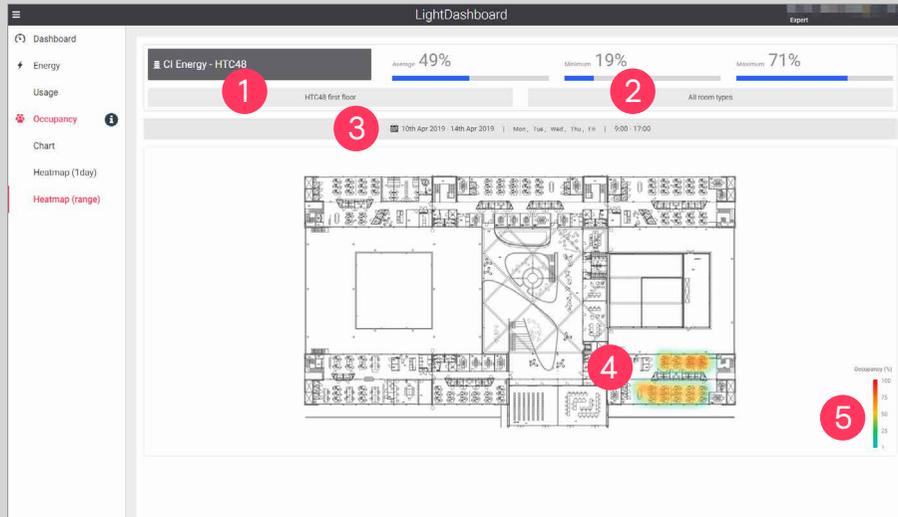
# 02 LightDashboard



## Occupancy heatmap (day)

1. Select the floor you want to visualize.
2. Click the **All room types** button to filter which room types you want to see on the heatmap.
3. Click the timeframe bar to select the day and work hours.
4. Notice the heatmap representation in the floorplan.
5. In the bottom right-hand side you can see the percentage of occupancy.
6. Click the **Play** button to start the heatmap recording over the defined timeframe.





## Occupancy heatmap (range)

1. Select the floor you want to visualize.
2. Click the **All room types** button to filter which room types you want to see on the heatmap.
3. Click the timeframe bar to select the desired range. This can be the interval between days, hours and only during certain days.
4. Notice the heatmap representation in the floorplan.
5. In the bottom right-hand side you can see the percentage of occupancy.

# 03 LightOperations

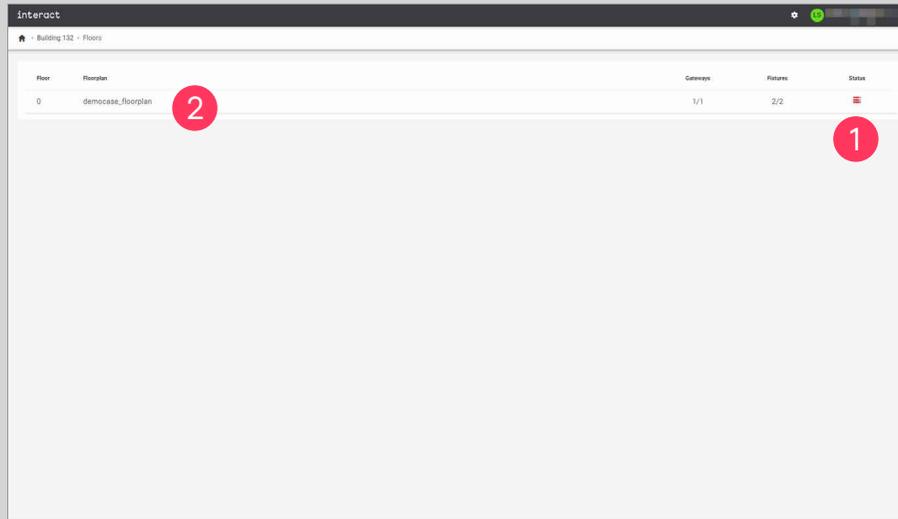


## Facility manager view

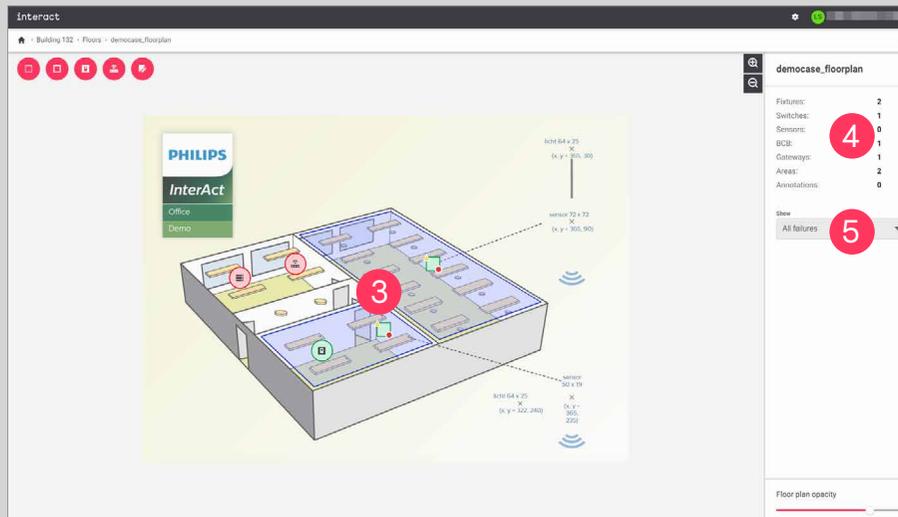
The LightOperations app enables users to quickly find failures and maintenance data on the luminaires and system components.

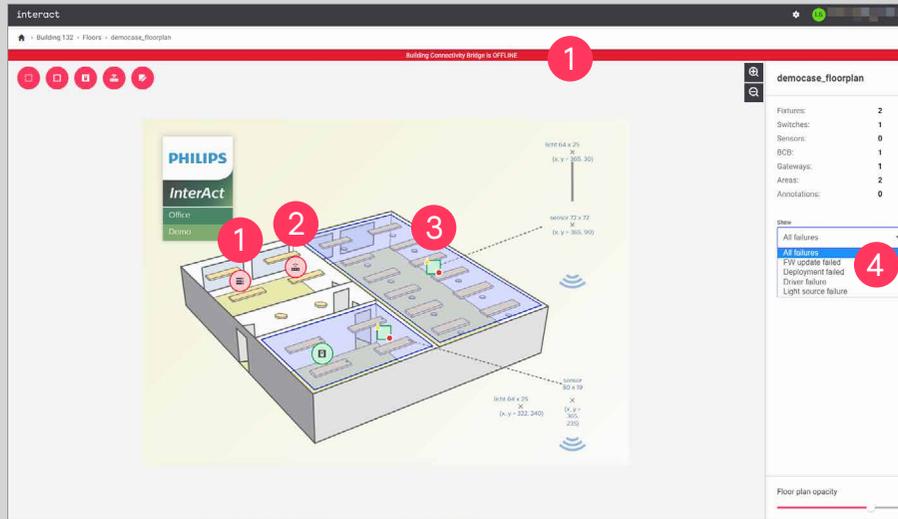
1. Go to the LightProjects home view.
2. Select the building and click the **Show apps** button.
3. Select the **LightOperations** application.

# 03 LightOperations



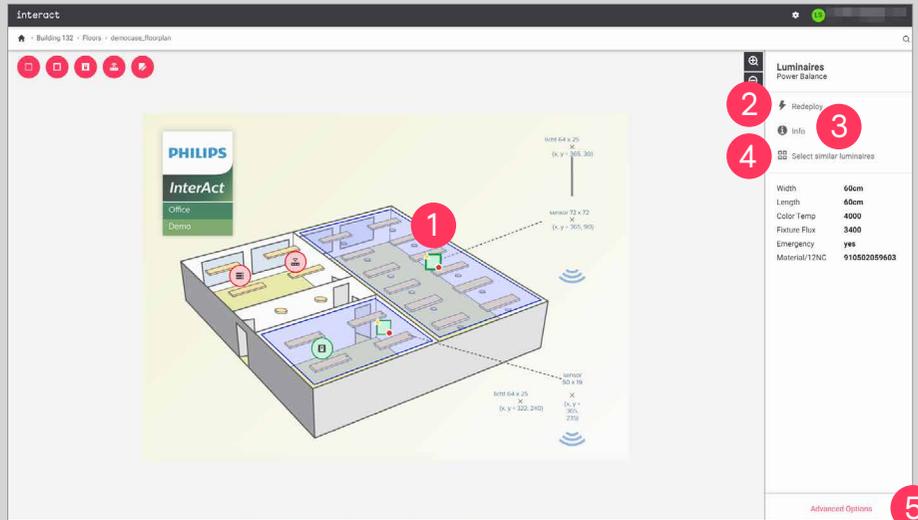
1. Check the operational status of the BCB. Green means online, while red is offline.
2. Click on the floorplan to select the floor and check the view of LightOperations.
3. On the floorplan view you see the luminaires and failures known to the system.
4. On the right-hand side, a pane containing a list of devices is displayed.
5. Under the **Show** pane, the drop-down filter can be used to display types of failures on the floorplan.





## Failure Types

1. Offline BCB, red background message and red BCB icon.
2. Gateway offline, red icon is displayed.
3. Luminaire failure, red luminaire icon is displayed. Red dot on right-bottom side of a luminaire icon means no metrics for more than 30 min have been received.
4. Under the **Show** pane, the drop-down filter is used to display the following failure types:
  - **All failures**
  - **FW update failed**
  - **Deployment failed**
  - **Driver failure**
  - **Light source failure**

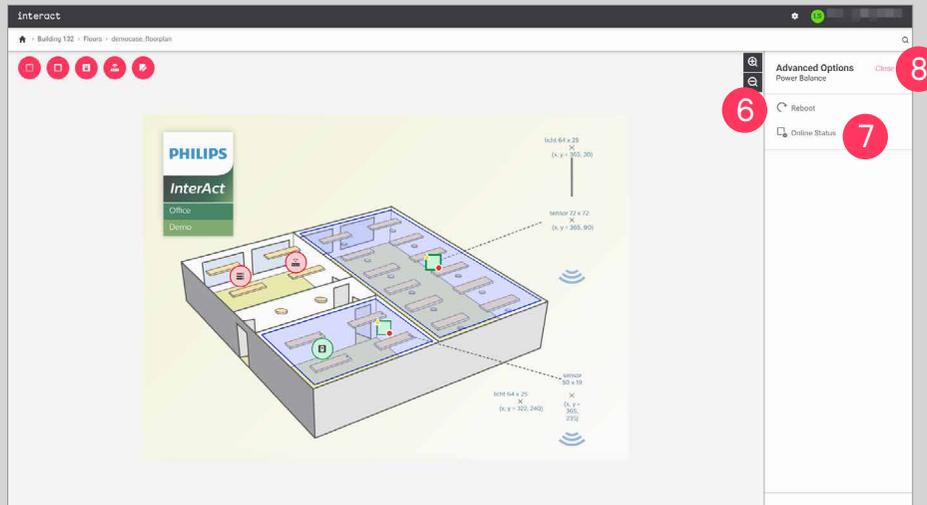


## Luminaire maintenance

### Floorplan View

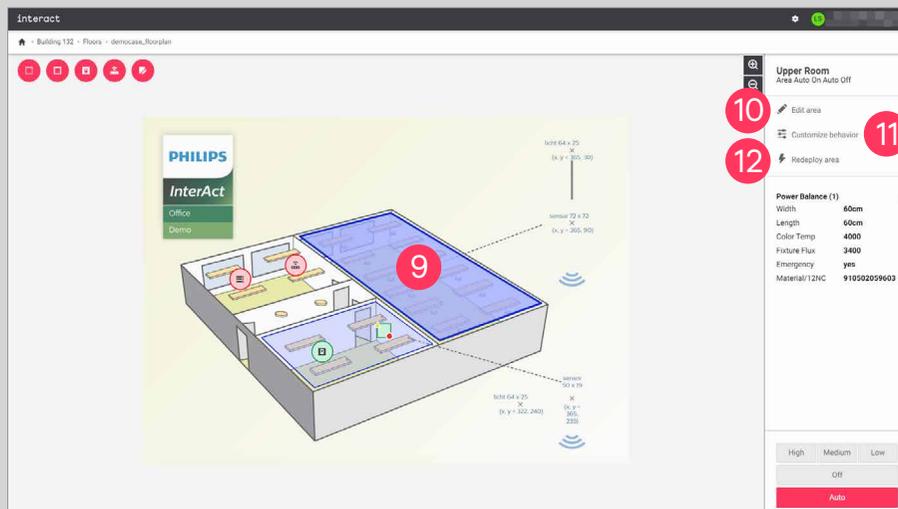
1. Select the luminaire you want to review.
2. Click **Redeploy** to re-save all data to the sensor.
3. Click the **Info** icon to get information about the Sensor, such as firmware version, MAC Address and model ID.
4. Click **Select similar luminaires** to select all the luminaires with the same type you have selected.
5. Click the **Advanced Options** button to open Advanced Options.

# 03 LightOperations



## Advanced Options

6. Click the **Reboot** button to reboot the sensor.
7. Click the **Online Status** button to provide feedback on Online Status. If it is online you see a green checkmark, otherwise it is red. It doesn't delete the failure in the luminaire until you refresh the page.
8. Click **Close** to close the advanced options window.



## LightOperations for Areas

9. Click on the area you want to manage.
10. Click the **Edit area** button to edit Area name, Room type and light template.
11. Click the **Customize behavior** button to edit light behavior parameters.
12. Click the **Redeploy area** button to save light behavior data to all the devices in the Area.

# 04 LightControl



The screenshot shows the LightProjects web interface. The top navigation bar includes the title 'LightProjects' and the user 'Espan'. The main content area displays a 'Building 115' card with an 'Add building' button and a 'Show apps' button. Below this, an 'Available apps Building 115' panel shows several application icons, including 'LightControl'. The bottom section of the interface shows a table of floors with control buttons for each floor.

Floor	Floorplan	High	Medium	Low	Off	Auto
0	HTC48_Ground_Floor	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
1	HTC48 first floor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

1. Go to the LightProjects home view.
2. Select the building and click the Show apps button.
3. Select the LightControl application. A screen listing floors is displayed.
4. The control is over the whole floor by pressing the **High**, **Medium**, **Low**, **Off** or **AUTO** buttons. This is a central override command and the system is not able to revert to automatic by itself. You have to press a button here or send a schedule to change between **High**, **Medium**, **Low**, **Off** or **AUTO**.
5. Click on the floor plan to open a new window for the specific floor. Now you are able to control an area.

# 04 LightControl



The screenshot shows the 'interact Control Scheduler' interface. It is divided into two main sections: 'Floorplan' and 'Areas'. The 'Floorplan' section shows two rows: '0 HTC48\_Ground\_Floor' and '1 HTC48 first floor'. The '0' row has a red dot on the left side and a status indicator 'High' with a red dot. The '1' row has a status indicator 'High'. The 'Areas' section shows two rows: 'open office' and 'private office'. The 'open office' row has a status indicator 'Auto' with a red dot. The 'private office' row has a status indicator 'Auto'.

Floor	Floorplan	Light Status
0	HTC48_Ground_Floor	High (with red dot)
1	HTC48 first floor	High

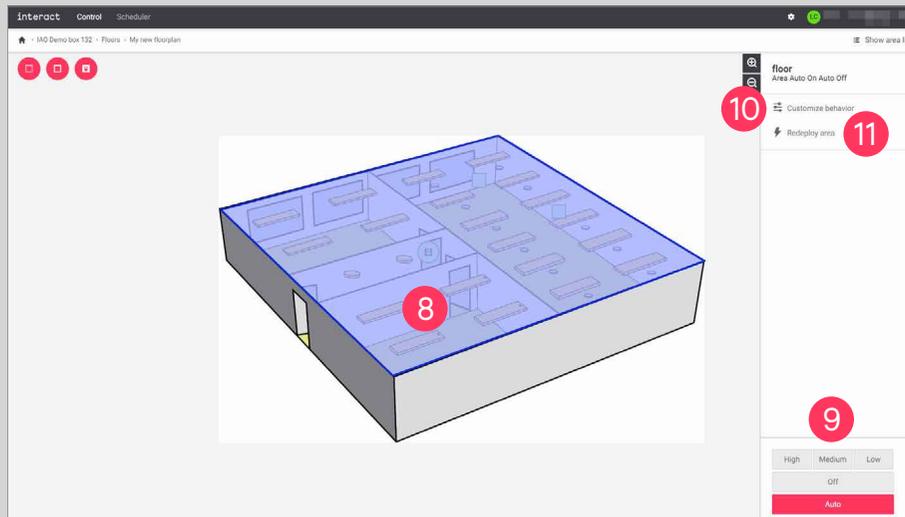
Area	Light Status
open office	Auto (with red dot)
private office	Auto

1. Light status - floorplan view  
The light status is displayed on a floorplan level. If there is at least one area with a different central override level, a red dot is displayed on the side.
2. Light status - Area list view  
The light status is displayed on an area level.

## Note

The light status only applies for dashboard control. If a physical switch is used, it doesn't send back the data. The same applies if the light status is set via a schedule.

# 04 LightControl



6. Areas can be controlled under the Area view.
7. Click the **Show floorplan** button to see the floorplan view for LightControl.
8. Click on an area.
9. The area is controlled via the right-hand side pane buttons.
10. Click the **Customize behavior** button to change light behavior.
11. Click the **Redeploy area** button to save the light behavior in an area.

# 04 LightControl



## Schedules

### Create a new schedule

1. Click the **Scheduler** button to change between to access the schedule view.
2. A list of building schedules is displayed.
3. Click the **+ Create new schedule** button.
4. Click the **Status toggle**  to enable or disable events. If the new enabled or disabled schedule is not saved on the gateway, an error message is returned. If the procedure was successful, the toggle's position is changed.

# 04 LightControl

The screenshot shows the 'Create new schedule' interface with the following elements and callouts:

- 5:** Schedule Name text field containing 'withAuto'.
- 6:** 'Lights go:' section with radio buttons for High, Medium, Low, Off, and Auto. The 'Auto' radio button is selected.
- 7:** 'Customize Behaviour' button.
- 8:** 'When should it happen?' section with a weekly calendar grid. The 'Mon' through 'Fri' buttons are highlighted in red.
- 9:** Time selection field showing '4' hours and '00' minutes.
- 10:** 'Where should it happen?' section with a checked checkbox for 'Whole building'.
- 11:** 'Floors' section with a checked checkbox for 'floorplan'.
- 12:** 'Areas for floorplan' section with checked checkboxes for 'smartTiledArea' and 'PowerBalanceArea'.
- 13:** 'Create new schedule' button at the bottom right.

5. Type in the **Schedule Name** in the text field.
6. Select the lights behavior. It can be **High, Medium, Low, Off** or **Auto**. The system retains the behavior until a new command is sent, either from a schedule or via the LightControl app.
7. If **Auto** is selected, the light profiles can be enabled via the **Customize Behavior** button.
8. Select recurring days when the schedule is applied, unless disabled.
9. Select the time the event starts.
10. Click the **Whole building** checkbox to apply the schedule to the whole building.
11. Click the **Floor checkbox** to apply the schedule to a floor.
12. Click the **Areas checkbox** to apply the schedule to one or multiple areas.
13. Click the **Create new schedule** button to complete the procedure.



# 04 LightControl



## Customize light behavior

Adjust the various parameters to the customers needs

Task Level 1-100 % 100 1

Vacant Level 0-100 % 0

Prolong Time 0-30 min 0

Background Level 0-100 % 0

Hold Time 5-60 min 10 2

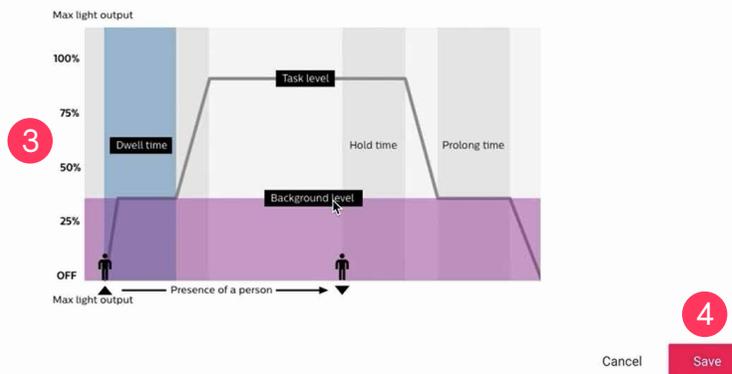
Max light output

100%

Task level

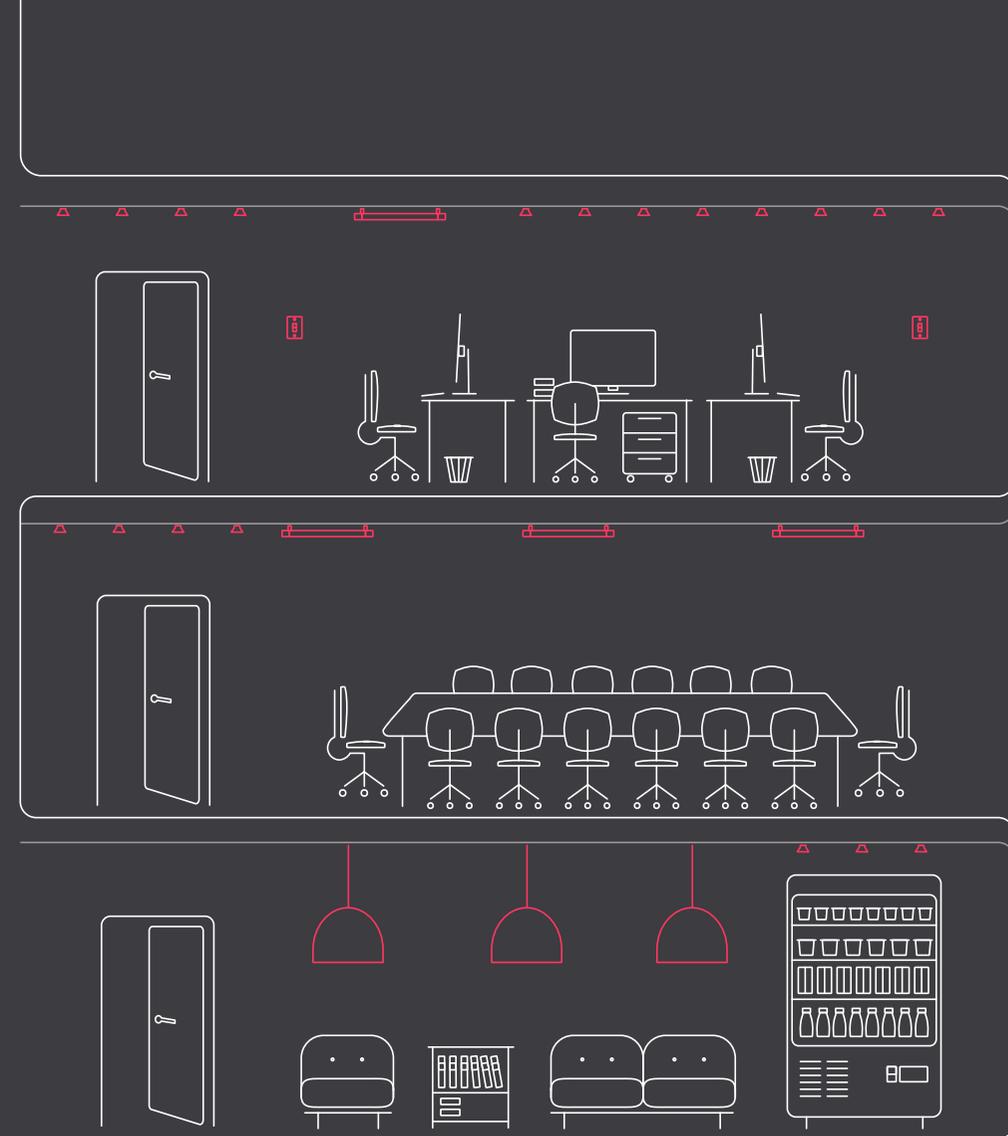
4

Cancel Save



## Light profiles

1. Click the parameter checkbox to customize the light behavior.
2. Type in the desired percentage or drag the slider.
3. Check the graphical representation of your custom light behavior.
4. Click the **Save** button to apply the new light behavior to your schedule.



Learn more about Interact  
[www.interact-lighting.com](http://www.interact-lighting.com)

© 2019 Signify Holding. All rights reserved. Specifications are subject to change without notice. No representation or warranty as to the accuracy or completeness of the information included herein is given and any liability for any action in reliance thereon is disclaimed. All trademarks are owned by Signify Holding or their respective owners.

Version 5, 18 July 2019

interact