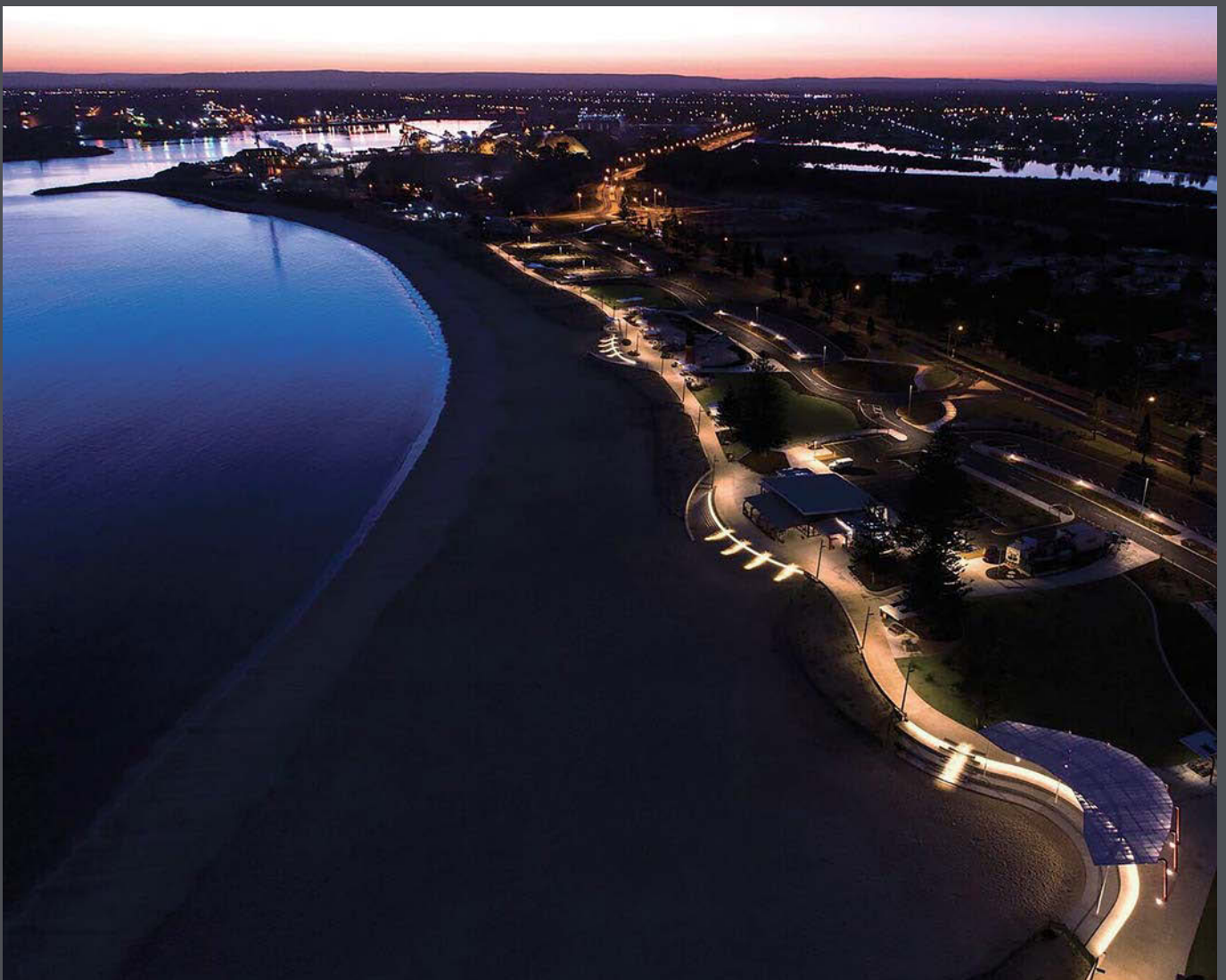


WE-EF LEUCHTEN

**Eco Step Dim® Motion
Dashboard
Manual
2019**



Introduction Dashboard

The dashboard provides monitoring, configuration and asset management. It is optimized for Google Chrome.
The key data on the street and area lighting luminaire's performance is then accessible through the cloud solution.

Benefits

- Simply control & monitoring system
- Light Management
- System monitoring
- Asset management
- Change system settings
- Automatic lamp fault reporting
- View luminaire lifetime statistics
- View metering & consumption data
- Open API with easy integration data
- 3rd party GPS system and Smart City

Overview General

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- Graph view
- Settings view
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Overview Detail

Map view

The map view is shown by default when you log in. It can always be accessed by clicking the map view button:

All sites view











On the top left corner of the dashboard, two dropdown menus allow for selecting a Location and a Site:



Icons

When **All sites** is chosen, the map shows an overview of all the sites connected to the selected Location.




The map displays one icon per site, using one of the following:

Icon	Meaning
	Site where everything is as it should be (No error). There is no gateway on this site.
	Site with at least one yellow error. See Errors description for the possible root causes. There is no gateway on this site.
	Site where everything is as it should be (No error). There is a gateway on this site.
	Site with at least one yellow error. See Errors description for the possible root causes. There is a gateway on this site.
	Site with at least one orange error. See Errors description for the possible root causes. There is a gateway on this site.
	Site with at least one red error. See Errors description for the possible root causes. There is a gateway on this site.
	Site with an offline gateway. See Errors description for the possible root causes. There is a gateway on this site.
	Site with an offline gateway and at least one luminaire with a yellow error. See Errors description for the possible root causes. There is a gateway on this site.
	Site with an offline gateway and at least one luminaire with an orange error. See Errors description for the possible root causes. There is a gateway on this site.
	Site with an offline gateway and at least one luminaire with a red error. See Errors description for the possible root causes. There is a gateway on this site.

To get a closer view of a site, click on the icon or select the site from the **Site** dropdown menu.

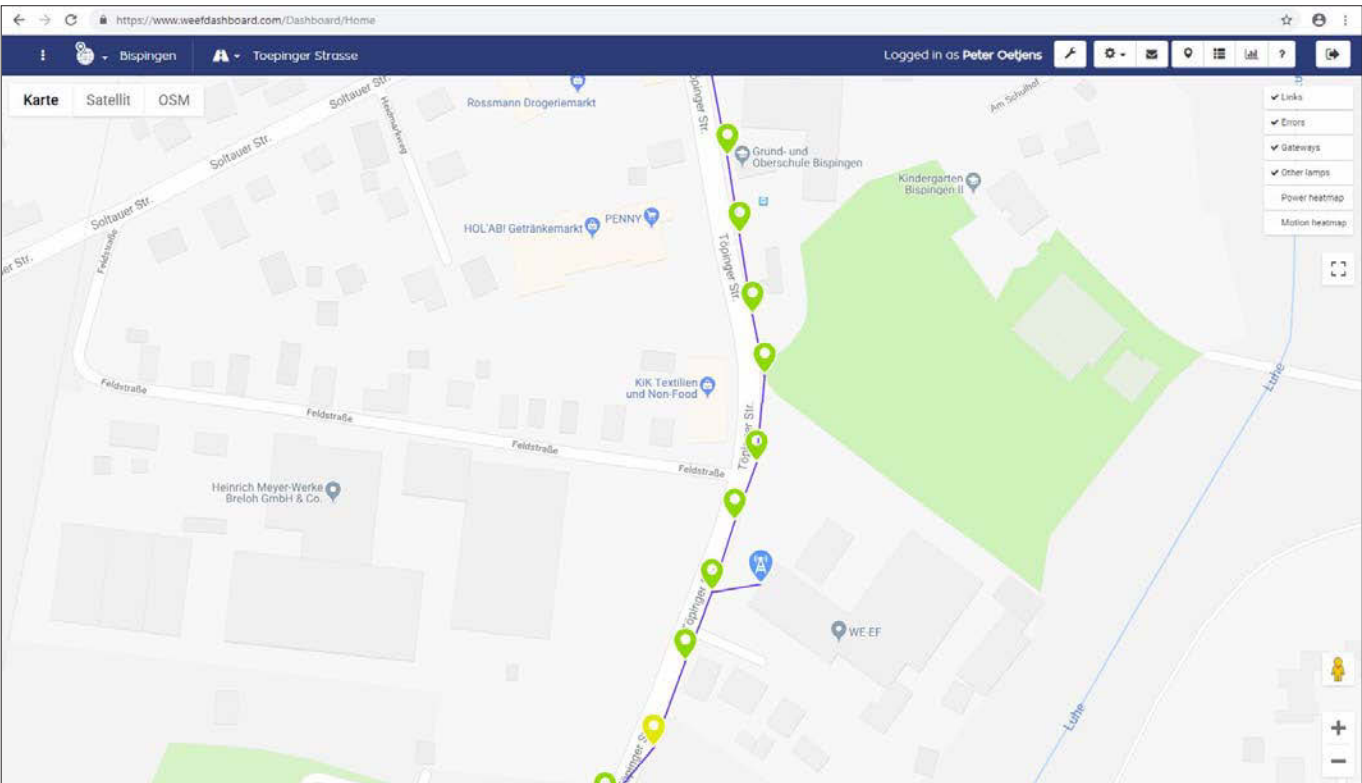
Buttons

On the map, the following buttons are available:

Button	Meaning
	Toggle Map/Terrain/Satellite view
	Drag and drop on the map to show Google Street View.
	Use '+' to zoom in and '-' to zoom out.







Viewing a specific site

When a specific site is selected using the *Site* dropdown menu, the view zooms on this site, as in the example below:








Icons

On the map, you see several icons:

Icon	Meaning
	Luminaire where everything is as it should be (No error).
	Luminaire with at least one yellow error. See Errors section for a possible root cause.
	Luminaire with at least one orange error. See Errors section for a possible root cause.
	Luminaire with at least one red error. See Errors section for a possible root cause.
	Gateway where everything is as it should be (No error).
	Gateway which is offline. See Errors section for a possible root cause.

Buttons


On the map, the following buttons are available:

Button	Meaning
 	Toggle Map/Terrain/Satellite view
<div>✓ Links</div> <div>✓ Errors</div> <div>✓ Gateways</div> <div>✓ Other lamps</div> <div>Power heatmap</div> <div>Motion heatmap</div>	<p>This group of buttons toggles the display of:</p> <ul style="list-style-type: none"> ■ Links: blue line showing the links between luminaires ■ Errors: red markers, including gateways ■ Gateways: gateway markers ■ Other luminaires: All other markers (luminaires with no errors) ■ Power heatmap: Heatmap for power consumption. ■ Motion heatmap: Heatmap for traffic (motion detection). <p>This can be useful for highlighting specific luminaires. The checkmark on the button tells the current status (default enabled for all)</p>
	Drag and drop on the map to show Google Street View.
 	Use '+' to zoom in and '-' to zoom out.

Heatmaps

When activating the heatmap, a heatmap control is made available:



At first, the heatmap shows the data for the whole previous week. By clicking the **Week** button, you can choose data for other ranges (previous day, month...). The **Full** button allows for changing the data resolution/stepping: **Full** means the step is for the whole range (one heatmap). Choosing '1h' will load one heatmap for every hour. Press the next button  to fetch the data. The controls fetches the data and becomes ready again when all the data is available.

Press  to play the data. Press  to stop playing. Press the  button to toggle infinite loop. You can also use the slider to freely choose which data to display. The scale on the bottom of the control shows the colors and the minimum and maximum values displayed on the heatmap.

Map view features

The map view provides the following features: Luminaire information

Clicking a luminaire/Gateway marker will toggle a side panel on the right of the map with the following information:

Name	Subsection	
Unit ID		The luminaire's network unit ID
Model	Basic info	The luminaire's model as entered during production
Height	Basic info	The height as entered during installation
Installation date	Basic info	The date and time at which the luminaire was installed
Last change	Basic info	The date and time at which the luminaire settings and/or motion graph was last changed
Changed by	Basic info	The user who performed the last change
Note	Basic info	A note entered by a user from the configuration app
	Status	Status OK means there is no error for the selected unit. Otherwise, the error text is displayed in red. See Errors section below for more details.
Production date	Production Info	Date and time for the luminaire/gateway production
Mac address	Production Info	The unit's mac address
Hardware version	Production Info	The unit's hardware version
Software version	Production Info	The unit's firmware version: if a FOTA (Firmware Over The Air) Update has been initiated, this will also be mentioned.
Production batch ID	Production Info	The production batch ID if entered or scanned during production.
Production ID	Production Info	The production ID if entered or scanned during production.
Lamp error tolerance	Luminaire settings	Tolerance for lamp error detection, in percent (%).
Lamp fault detection enabled	Luminaire settings	'True' if lamp fault detection is enabled, false otherwise.
Low intensity	Luminaire settings	Lamp output intensity at low level, in percent (%)
Motion enabled	Luminaire settings	'True' if motion is enabled, false otherwise.
Motion intensity	Luminaire settings	Lamp output intensity when motion has been detected, in percent (%).
Motion range	Luminaire settings	Number of neighbors to whom the luminaire sends the motion detected signal.
Motion time	Luminaire settings	Time to hold motion intensity after a motion detection, in seconds
Light Management Mode	Luminaire settings	Sets to 1 if a dimming schedule is in use, 0 otherwise
Last update	Statistics	Date and time for the last statistics update. Only available on sites with gateways.
Lifetime on time	Statistics	The number of hours the unit has been turned on since production. Only available on sites with gateways.
Lifetime motions	Statistics	Total number of motions detected by the unit since production. Only available on sites with gateways.
Lifetime power consumed	Statistics	Power consumed by the unit's connected bulb since production. Only available on sites with gateways.
Lifetime power cycles	Statistics	Number of power cycles performed by the unit since production. Only available on sites with gateways.
*	Custom fields	Under this subsection: all the custom fields entered using the Asset management App are available.


Errors

Errors are categorized in colors, indicating the severity. Yellow is a mild error that can normally be fixed by the installer, orange means some data is missing but there is no indication that the luminaire is not working, red is the most serious and means a luminaire is not working (no light).

Error name	Error short name	Color code	Description	Troubleshooting
Status OK	OK	Green	This is actually not an error, everything is fine.	—
Motion graph status error	STATUS	Yellow	The motion graph has not been saved successfully into the luminaire, so it doesn't know its neighbour and can have trouble communicating with the network.	1. Go on site and distribute the graph from the Configuration App.
Lamp consumption error	LAMP	Yellow	The luminaire is working, but its consumption is different from what is expected.	1. Increase the luminaire error tolerance from the LMS. 2. Go on site and perform a luminaire calibration using the Configuration App.
Unit unreachable	REACH	Orange	The luminaire is not accessible on the network, so data is missing. This error is not critical and might be totally invisible from the street, unless it is due to missing power to the lamp.	1. Fix other errors first: (STATUS) 2. Fix errors on nearby luminaires: especially those on the path to the gateway. 3. Go on site and check whether the luminaire has power. 4. Run RSSI test using the Configuration App, if it fails the unit must be checked: is the antenna missing or placed correctly? 5. Replace the control unit
Gateway offline	GW_OFFLINE	Orange	The Gateway is not sending any data.	1. Fix other errors first: (STATUS) 2. Go on site and check whether the gateway has power. 3. Contact Support if all else fails: Gateways should be online as soon as they have power.
Lamp off	OFF	Red	The luminaire is turned off when it should be on.	1. Replace the luminaire.

User events

It is possible for the dashboard user to log events or write comments from the dashboard. To do so:

- Select a luminaire to show the side panel.
- Click the user event icon 

The data is then fetched from the server and after a few seconds the last 10 events are displayed.

Use the text box to enter a new comment and click **Save** to save it



Luminaire Data

From the map view, it is possible to retrieve consumption data for an individual luminaire:

- Hourly power consumption (Wh)
- Hourly number of motions detected
- Site average hourly power consumption (Wh)
- Site average hourly number of motions detected

To open the luminaire data view:

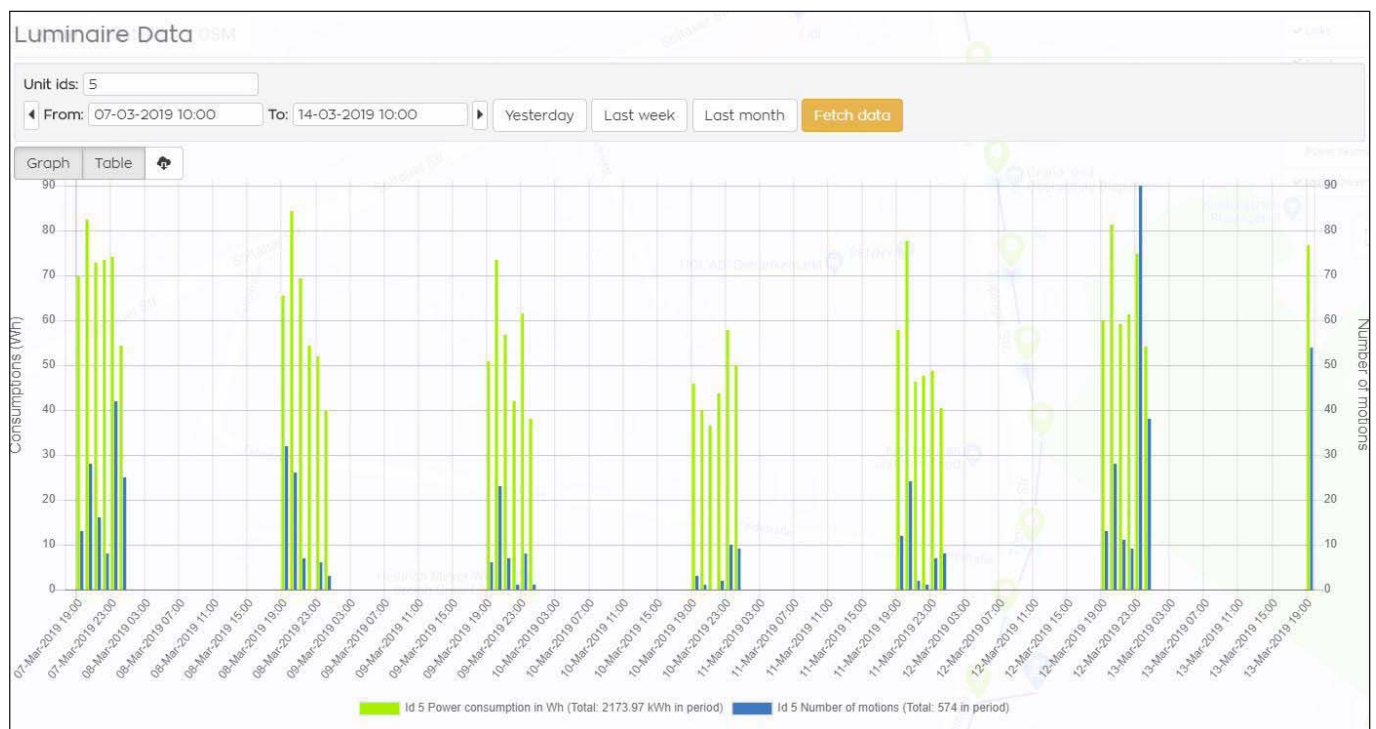
- Select a luminaire on the map to display the side panel
- Click the **Data** button on the top right of the panel

The data is then displayed above the map. Click **X** on the top right corner to close the view again.

When this window opens, data is fetched automatically for the last week. Use the datetime picker to change the time span, or use the available shortcuts

Last Week and **Last Month**.

You can select and deselect any of the four graph available by clicking the corresponding legend, which is struck through when the data is hidden.



List view

The list view can always be accessed by clicking the list view button

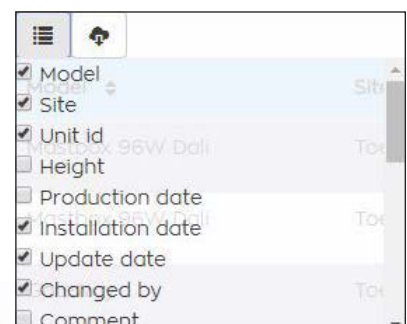
The view shows a table listing all the luminaires or assets, with one column per piece of information available.

The content of the table can be changed in several ways:

- By selecting which location and/or site to show the luminaires for using the dropdown menus



- By choosing which columns to display, using the column picker



Other features available on the list view:


Locating a luminaire on the map

From the list view, it is possible to directly locate a luminaire on the map view.

To do so, simply click the map marker button on the right side of the line for the corresponding luminaire 


Note: The button is not available when *All sites* is selected in the *Site* dropdown menu. A site **must** be selected.

Downloading luminaire information as a .csv file

The information available in the list view can be downloaded as a CSV file by clicking the button above the list 

The information contained in the CSV file is the same as the one you see on the screen when the button is clicked. Two extra columns are also provided containing the GPS coordinates of the luminaires.



Graph view

The graph view can always be accessed by clicking the graph view button 

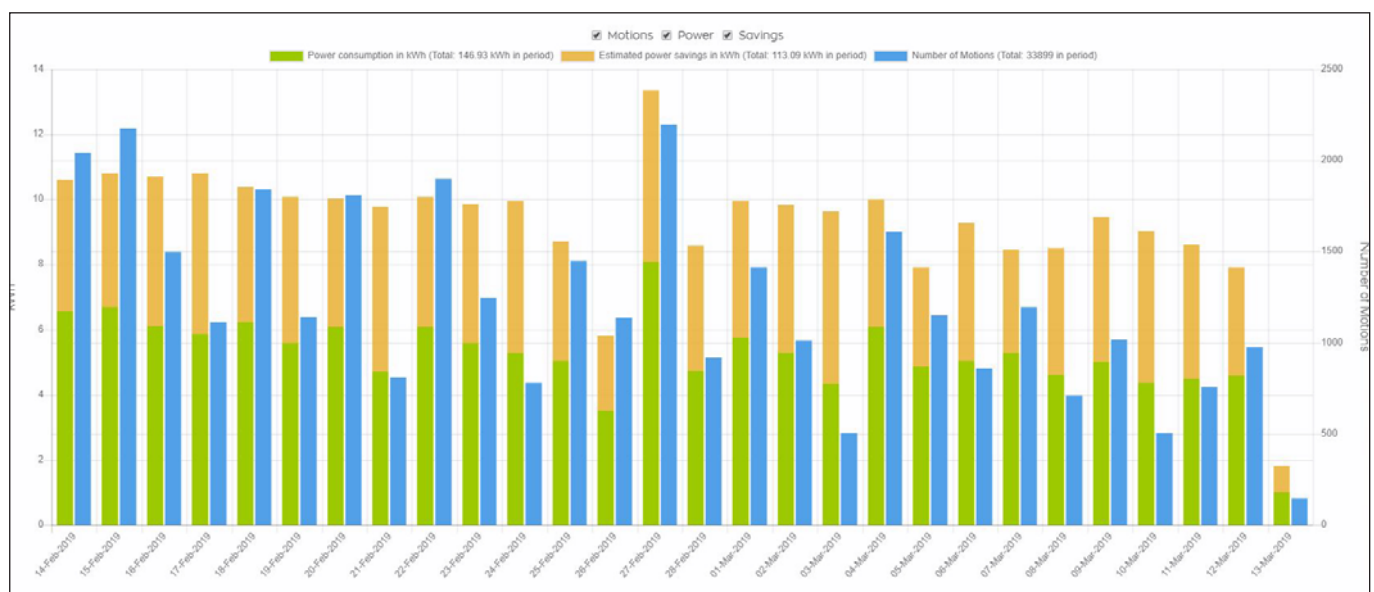
The graph view can display consumption data for one site or one location for a given time interval, grouped in 3 categories:

- Power: power consumption for the whole site in the period
- Motions: number of motions detected for the whole site in the period
- Savings: Estimated power savings for the whole site in the period.

To see some data, use one of those possibilities:

- Click the **Yesterday** button to see the data from yesterday
- Click the **Last Week** button to see the data from the previous week
- Click the **Last Month** button to see the data from the previous month
- Click the  button to jump backwards in time with the current time interval between the two dates
- Click the  button to jump forward in time with the current time interval between the two dates
- Use the datetime pickers to select a custom time interval and click the button **Fetch data** to see the data

Data is then fetched from the server and displayed.



It is possible to change the data displayed using the checkboxes. Tick the **hourly** box to display data per hour, untick to show daily data.

Data can also be exported as a .csv file using the download button 

Settings view

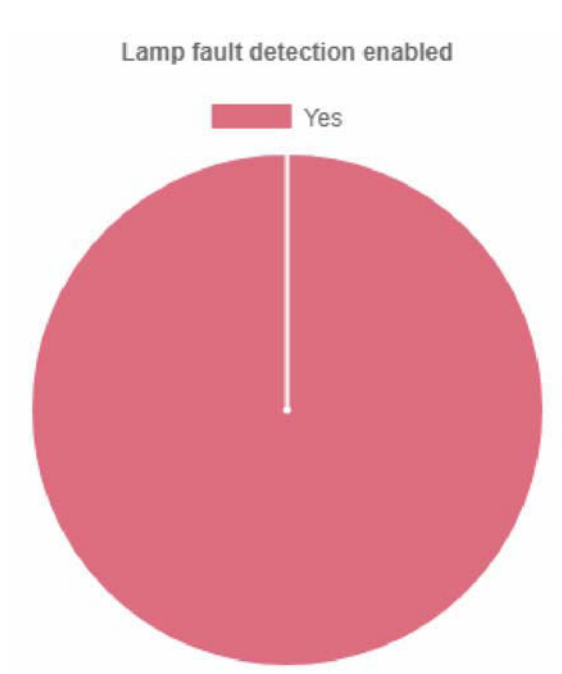
The settings view can always be accessed by clicking the settings  view button then clicking on the setting of interest.

The setting values are displayed in 2 forms:

- A table, showing the setting value for each unit ID:

Unit Id	Lamp fault detection enabled
2	Yes
3	Yes
4	Yes
5	Yes
6	Yes

- A pie chart showing the frequency of the values for the setting (mouseover the chart to get the unit IDs for each setting value)



Light Management System

To enter the Light Management System, press the corresponding button  This is only available to selected logins.

Notifications management view

Email notifications can be configured using the corresponding button .

Enable notification by checking the checkbox, entering one or more comma-separated email addresses, and checking the projects for which to be notified.

Select the level of information required: Red, orange or yellow.

See the Errors section for details on which errors are reported at which level:

- Yellow gives notifications for all types of errors,
- orange for orange and red,
- and red (default) only for red errors.

A confirmation email will then be sent to the email addresses.

A notification email will be sent to these email addresses at most daily, whenever at least one luminaire or gateway into one of the selected projects has an error status change (new error or error resolved).

Linking another login

It is possible to see projects from another login.

To do so, link the other login to your current login using the **Manage linked logins** option under the Advanced options menu on the top left of the Navigation bar



Linked logins		
Linked login	User name	Date added
52300-42616-44256	John smith	22/05/2018 08:20:36
Linked login	<input type="text" value="52300-42616-44256"/>	<input type="button" value="Add"/>

Linked login	User Name	Date added
52300-42616-44256	John Smith	22/05/2019 08:20:36

Adding a login or deleting an existing link is simply done by entering the login to be linked.

This will give access to this login's projects on the Dashboard only.

Logout

To log out, simply click the logout icon .

Please note, that after a certain time without activity, the session will time out.

Re-login to continue using the dashboard when presented with a login screen:

Login

☐ show password

Login

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