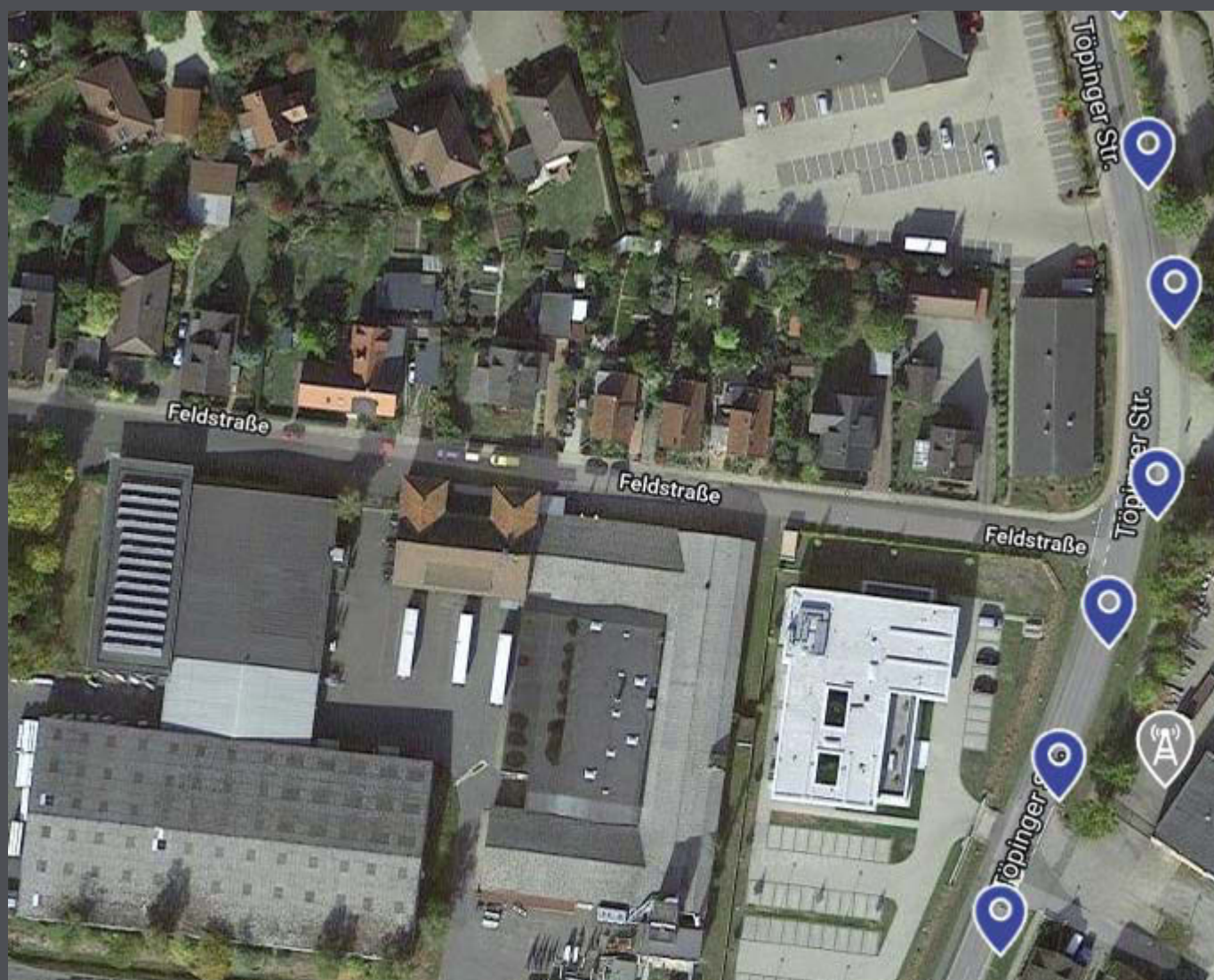


WE-EF LEUCHTEN

**Eco Step Dim® Motion
Light Management System
Manual
2019**



Introduction Light Management System

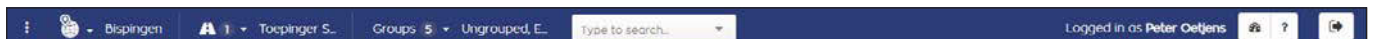
A Part of the Dashboard is contained the Light Management System. In this part the user will find multiple tools to optimize the system setup. There are easy to operate menus for current selection and/or changing settings of dimming levels or timings. The astronomical clock makes it easy to build new dimming schedules or edit existing ones. The dimming schedules can be assigned to existing groups or single luminaires. Groups of luminaires can be easily created by using the integrated map.

Overview General

- **Navigation bar**
- **Map**
 - Luminaire Information
- **Settings Tab**
 - Section 'Settings for current selection'
 - Section 'Change settings for current selection'
- **Dimming Schedules Tab**
 - Manage existing dimming schedules
 - Create a new schedule
 - Edit an existing schedule
 - Astronomical watch
 - Delete an existing schedule
 - Assign a dimming schedule to selection
 - Modify the selection's current dimming schedule
 - See currently assigned dimming schedules
 - Disabling dimming
- **Setup Groups tab**
 - Create, edit, delete groups
 - Assign groups
- **Session Timeout**

Overview Detail

Navigation bar



The Navigation bar is always visible and located at the top of the screen. It can be used to show luminaires based on several criteria:

Location: one location can be selected at a time

Sites: any number of sites can be chosen, defaults to **All**

Groups: any number of groups can be chosen, defaults to **All**. The **Ungrouped** option selects the luminaires which are not assigned to any group.

When this is done, the map is updated to show all the luminaires belonging to the criteria chosen.

Search box

A search box is also available:

Type to search ... ▼

Type in to search luminaires based on unit id or dimming schedule.

Three buttons are found on the right-hand side:



leaves the Light Management System and goes back to the Dashboard

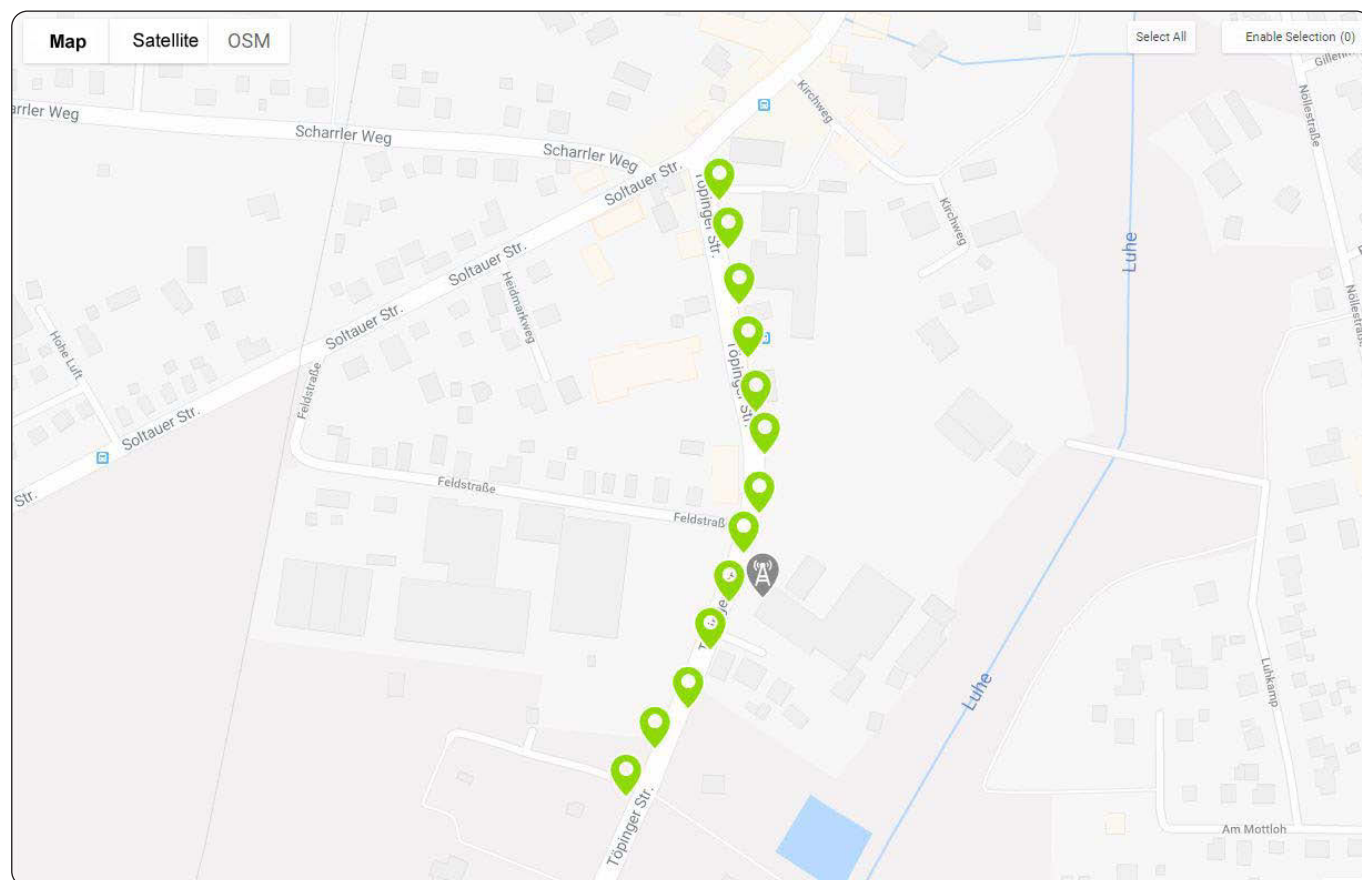


shows the full Light Management System user manual



logs the user out of the system

Map



The map shows the luminaires available . The Gateways are also shown .

By default, the map can be dragged with the mouse. Click the **Enable Selection** button to switch to selection mode: you can then click to select/deselect a single luminaire or perform a rectangular selection to select multiple luminaires.

Tip: right click on the map to quickly toggle Selection mode.

Selected luminaires are shown as . Selected Gateways are shown as .

Press the **Select All** button to select all the visible luminaires. This button toggles between **Clear selection**, which will clear the selection when clicked, and **Select All** everytime it is clicked.

Luminaire Information

By clicking a marker when the **Enable Selection** button is disabled, a panel opens on the right side of the screen displaying luminaire specific information:

Basic info

- Manufacturer the luminaire manufacturer
- Model the luminaire model
- Height the height as entered in the configuration app
- Installation date the date and time of luminaire installation
- Last change the date and time of the last change made on the luminaire and/or its configuration
- Changed by the user who performed the last change
- Note the note entered in the configuration app
- Status the current error status for the luminaire, similar to the one seen on the Dashboard

Production info

- Production date the production date and time of the luminaire
- Mac Address the unique mac address for the luminaire control unit
- Hardware version The version of the unit's hardware
- Software version The version of the unit's software
- Production batch ID The production batch id if entered or scanned during production
- Production ID The production id if entered or scanned during production

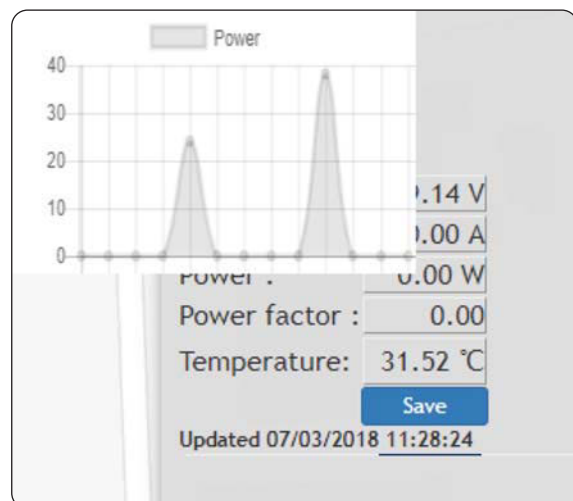
Measurements

if the luminaire is connected to a gateway and currently online, this allows for seeing live data measurements from the luminaire:

- Voltage the current power grid voltage, in Volts
- Current the current consumption in Amps
- Power the power consumption in Watts
- Power factor the power factor
- Temperature the control unit board temperature in degrees Celsius

Move the mouse over the number to see a graphical representation of the data.

Click the **Save** button to save the data recorded in a csv file for further analysis using your own tools.



Settings Tab

The Settings tab is divided into 2 sections:

- Informative section, ☒ Settings for current selection, which shows the settings values for the luminaires currently selected.
- Configuration section, ☒ Change settings for current selection, where the settings for the luminaires currently selected can be modified.

Settings for current selection' section



In this section, the values are shown next to the setting name, for each setting.

Depending on the status and the values, these types of settings can be seen:

- Current setting value for the selection
- (Pending setting value for the selection): the value will be sent to the luminaires as soon as they come online.
- Value_1 → Value_n: range of values for the selection's current settings
- (Value_1 → Value_n): range of values for the selection's pending settings. They will be sent to the luminaires as soon as they come online.

Change settings for current selection section

In this section, the settings value for the selected luminaires can be modified. There are 2 ways of doing so:

- Pick a setting, choose a value in the dropdown list and click 
- Pick several settings, choose the values in the dropdown lists and click 

You will be prompted for confirmation and the settings will be sent to the selected luminaires.

Note: It is not possible to send settings to a Gateway.

Dimming Schedules Tab

The *Dimming schedules* tab allows for managing the assigned dimming schedules for the selected luminaires.

Manage existing dimming schedules

To create, edit and delete the available dimming schedules, click the button .

A window opens, showing the list of existing schedules:

Schedule Name	Number of timeslots	User access	
schedule 1	4	My project	Edit Delete
schedule 2	6	My other project	Edit Delete

Create a new schedule

To create a new schedule, click the button .

Edit an existing schedule

To edit an existing schedule, or a newly created schedule, click the **Edit** button next to the schedule name.

Time slots can be added one by one up to a maximum of 6 by clicking .

Choose the time at which the time slot activates, the light intensity and the motion intensity if the luminaires have motion detection enabled.

Time slots can be deleted by clicking .

Time slots can be changed by clicking .

Astronomical watch

Astronomical watch can be configured using the corresponding checkbox.

Offset compared to calculated dawn and dusk can also be configured.

Astronomical watch	<input type="checkbox"/>	Minutes offset to dusk	<input type="text" value="10"/>	to dawn	<input type="text" value="-30"/>	Save
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Click the **Save** button to save the astronomical watch settings.

On the top, a graphical representation of the light intensity during the course of the day is given.

Note that the timeaxis is centered on midnight.

Delete an existing schedule

To delete an existing schedule, click the **Delete** button next to the schedule name.

Note It is not possible to edit or delete schedules which are in use by some luminaire. Create a new schedule instead or use the **Modify** option described below.

Assign a dimming schedule to selection

To assign a dimming schedule to a selection of luminaires, select the dimming schedule by name from the dropdown list and press the **Assign** button:

Schedule	schedule 1 ▼	Assign
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Modify the selection's current dimming schedule

To edit the current selection's dimming schedules, click the **Modify** button.

This creates a copy of the currently assigned schedule and assigns it to the selection after modification.

See currently assigned dimming schedules

When the selection is changed, the currently assigned, (optionally pending) schedules are shown with a name in the **Current Selection** section:

Dimming schedules:

- schedule 1 Details (pending: Dimming schedule disabled)
- No dimming schedule

Disable dimming schedule

Click the **Details** button next to a dimming schedule name to quickly see what the schedule looks like.

Disabling dimming

Click on the **Disable dimming schedule** button to disable dimming for the selection.

Setup Groups

The **Setup Groups** tab allows for managing the groups and assign them to a selection of luminaires: Create, edit, delete groups

To Create, edit and delete groups, press the Manage button. A window opens with a table listing the existing groups, similar to this:

Group Name	Location	
Group red	My project	Edit Delete
Group blue	My project	Edit Delete

Click **New group** to create a new group.

Click **Edit** to change a group's name and/or location.

Click **Delete** to delete a group. In this case you will have to confirm the deletion.

Important: All luminaires assigned to this group will lose the assignment if the group is deleted!

Assign groups

To assign a group to a selection, choose the group from the dropdown menu and press **Assign**.
A prompt will ask for confirmation and then the luminaires will be assigned to the chosen group.

Group	Group red ▼	Assign
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Session Timeout

When a user logs in to the Light Management System, a session is created on the server.

When this session times out, the user needs to log in again.

This time out is currently set to 20 minutes.

To prevent this, the user will be prompted 3 minutes before the session times out to prolong the session by an additional 20 minutes.

The following prompt appears on the top left corner of the screen:

Your session will end in 2 minutes 39 seconds	Continue	Logout
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Click **Continue** to prolong the session or **Logout** to terminate it immediately and return to the log-in screen.

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