Sensors & Controls

sceneCOM infinity
Manual
Daylight linking

TRIDONIC

Legal information

Copyright

Manufacturer

Document number

sceneCOM infinity, Daylight linking, QI
1.1 | 05.2021 | en

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1 Daylight linking

This quick commissioning guide provides a quick overview of the daylight linking. This is a type of luminaire control which takes the daylight and the blinds into consideration. The daylight is recorded by one or more light sensors. Infinity mode must be enabled in order to use this app.

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2 Activating licence

Requesting licence number for daylight linking with light sensor

▷ Note article number and Infinity ID and request licence number from your sales partner.
(App overview > **sceneCOM Store** > **Light sensor** > **Licensing information**)

Activating licence for daylight linking with light sensor

▷ Enter licence number.
(App overview > **sceneCOM Store** > **Light sensor** > **Activate licence**)

> **i** **Note**
> To recall the ordered licence numbers, go to the scenecom.tridonic.com website and enter the reference number (HW-ID) of the *sceneCOM* controller or the Infinity ID.

Activate licence	Completed ☐

3 Preparatory measures

> **i**
> **Note**
> If you do not use light sensors for the daylight linking, you can continue with section 4.

Addressing light sensors

▷ Address light sensor.
  (App overview > **Addressing** > Select controller > **Input devices** > **Sensor**)

> **i**
> **Note**
> The test key must be briefly pressed twice to locate the light sensor.

Complete preparatory measures	Completed ☐

4 Selecting effective range and sensor

1. Select effective range for daylight linking.
   (App overview > **Daylight linking** > Button for selecting the effective range (top left))

	Note
i	A room or a group can be selected as the effective range.

2. Select sensor for daylight linking.
   (App overview > **Daylight linking** > **Sensor**)

Select effective range and sensor	Completed ☐

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5 Configuring global settings

There are certain settings can be applied to all daylight linking.

Configuring global settings

▷ Configure global settings.
   (App overview > **Daylight linking** > **Global settings**)

The following table provides a description of the individual configuration options:

i	**Note** Whether parameters marked with an asterisk (*) can be configured depends on whether the parameter **Never dim off via daylight linking** is enabled. The following table provides an overview of which parameters can be configured.

	☑	☐
Lower dimming limit (daylight linking)	✓	✗
Switch-off intensity	✗	✓
Delay time	✗	✓
Switch-on intensity	✗	✓

Parameter	Description
Never dim off via daylight linking	Option that can be enabled so that the lighting is never dimmed off via daylight linking.
Lower dimming limit (daylight linking)*	Lower limit that further restricts the dimming range for daylight linking and prevents luminaires from being dimmed off completely. The dimming range is a range in which the intensity of the luminaires can be dimmed/brightened. It is restricted to the physical upper and lower limits.
Switch-off intensity*	Intensity level at which the luminaire or lighting is switched off if the intensity reaches this point or drops below it.
Delay time*	Time during which the switch-off intensity must be reached/not reached so that the luminaire/lighting is switched off.
Switch-on intensity*	Intensity level at which the luminaire or lighting is switched on if the intensity reaches this point or exceeds it.
Upper dimming limit (daylight linking)	Upper limit that further restricts the dimming range for daylight linking. The dimming range is a range in which the intensity of the luminaires can be dimmed/brightened. It is restricted to the physical upper and lower limits.
Interruption period after manual operation	Time during which daylight linking can be disabled temporarily by manual operation (e.g. pressing a key/switch). Once this time has expired daylight linking is automatically enabled again.
Daylight linking takes over when calculation matches manual operation	Option that can be enabled so that daylight linking takes over again as soon as the intensity calculated by daylight linking matches the intensity set by the user.
Dimming off threshold (for ambient light sensors only)	Percentage by which the required illuminance must be exceeded in order for the luminaire to be dimmed off via daylight linking. This setting prevents the illuminance from dropping below the target value when the luminaires are switched off, which would cause the luminaires to need to be switched on again immediately.

Table 1: Configuration options – Daylight linking; global settings

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5 Configuring global settings

> **ℹ️ Note**
>
> These settings are enabled for all daylight-linked luminaires as standard. The **Scenes** app provides the option of separately defining whether the global settings are used, however.

Configure other global settings (optional)	Completed ☐

6 Creating measurement points

Measurement points are used to control the daylight linking of artificial light. The measurement points are used to calculate the amount of artificial light required to achieve the required illuminance.

1. Create new measurement point and assign room, group or individual luminaires and blinds.
   (App overview > **Daylight linking** > **Measurement points** > **Create new measurement point**)

2. Measure the illuminance when all luminaires have adopted the control value of 100 %. Then enter the measured value and tap **Apply** .
   (App overview > **Daylight linking** > **Measurement points** > **Measure** > **All luminaires at 100%**)

3. Measure the illuminance when all luminaires have adopted the control value of 0 %. Then enter the measured value and tap **Apply** .
   (App overview > **Daylight linking** > **Measurement points** > **Measure** > **All luminaires at 0%**)

Create measurement points	Completed ☐

7 Enabling daylight linking for scene

1. Select effective range.
   (App overview > **Scenes** > Button for selecting the effective range (top left)

2. Select scene for which the luminaires are daylight linked.
   (App overview > **Scenes** > **Edit >** Button for selecting the scene (top left))

3. Enable the daylight linking at room, group or device level for a scene.

   (App overview > **Scenes** > **Edit** > Button beneath ☼ > Enable **Daylight linking**)

Enable daylight linking for scene	Completed ☐