

Sensors and Controls

basicDIM Wireless Outdoor Profiles



TRIDONIC

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Information



With the basicDIM Wireless system, you have the possibility to change the behaviour of each device through different profiles.

These profiles can be selected in the 4remote BT App. For more informations about how to change device profiles, please refer to the "[4remote BT App product documentation](#)".

The following list contains an overview and a more detailed description of every available basicDIM Wireless profile in the 4remote BT App. The following abbreviations are used throughout the document:

Abbreviation	Description
BC	Broadcast (= all devices)
A0, A1, A2, ...	DALI Single address (= single devices)
G0, G1, G2, ...	DALI Group address (= groups of devices)
	available in 4remoteBT app
	shared profile

NOTICE

All profiles are shared and can be copied by our customers.

NOTICE

The factory profile is the first profile in the profile list.

basicDIM Wireless Outdoor with integrated light sensor

Starting with production date 01.09.2023, basicDIM Wireless Outdoor devices have been extended with a light sensor. To be able to use these new devices with the light sensor, one of the new profiles from the following list have to be used. When these profiles are used, a light sensor will always be displayed in the sensor section.

When using daylight control, the basicDIM Wireless Outdoor module should be installed on top of the luminaire and the operating mode "open loop" or "basic (ON/OFF)" should be used.

The light sensor is less suitable for the "closed loop" operating mode due to the large light detection range.

Sensor		Installation
Light Sensor	✓	look up; open loop; Basic (ON/OFF); with internal Sensor
Movement detector	✗	✗

Typical Application

Switching on / off depending on daylight, which corresponds to the operating mode "Basic (ON/OFF)"

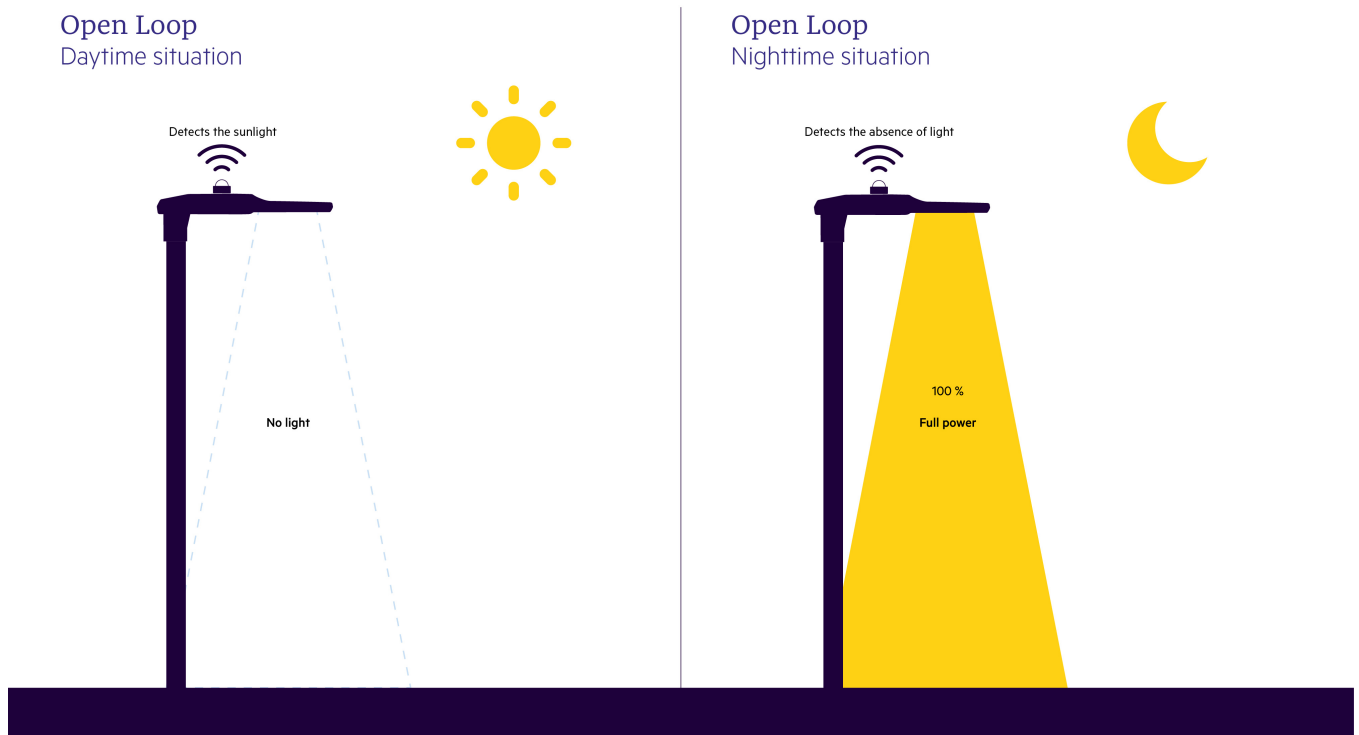
If the lux value falls below a certain value, the lights switch on, but the lights switch off again if the value is exceeded.

Dimming of the lights depending on the daylight, which corresponds to the "open loop" operating mode

With this operating mode, a curve can be defined with which the dim level of the luminaire is defined depending on the daylight value.

NOTICE






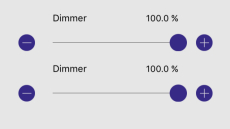






In this application, the light from the luminaire must not influence the light sensor!






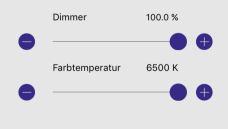


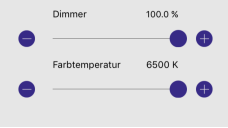


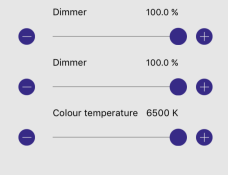


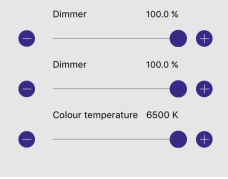




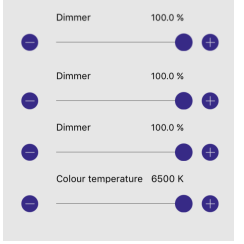


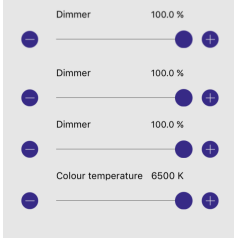
Profiles

NOTICE

"LUX" in the profile name indicates that the internal light sensor is used as the light sensor.

Profile	Description	Manual app control
30046  	bDW (LUX - 1ch/Dim) The dimmer controls a single address. The DALI address can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module. Factory default profile	Dimmer 1: A0 
31938  	bDW (LUX - 2ch/Dim,Dim) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1 
31939  	bDW (LUX - 3ch/Dim,Dim,Dim) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1 Dimmer 3: A2 
31940  	bDW (LUX - 4ch/Dim,Dim,Dim,Dim) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1 Dimmer 3: A2 Dimmer 4: A3 






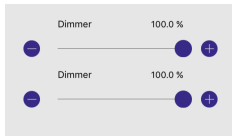


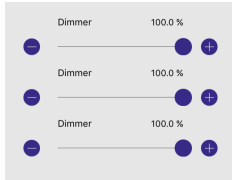


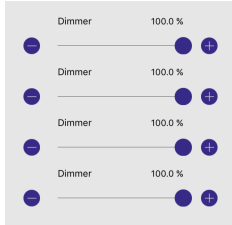
<p>31936</p>  	<p>bDW (LUX - DALI/BC/Dim)</p> <p>All DALI addresses can be controlled with a dimmer.</p>	<p>Dimmer: BC</p>	
<p>31941</p>  	<p>bDW (LUX - DT8/Dim,TW)</p> <p>A DT8 Tunable White driver can be connected to the module.</p> <p>It is controlled via the sliders "Dimmer" and "Colour temperature".</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer: A0</p> <p><u>Colour temperature:</u> Warm white: A0 Cold white: A0</p>	
<p>38429</p>  	<p>bDW (LUX - DT8/Dim,TW, 2200-4000K)</p> <p>A DT8 Tunable White driver can be connected to the module.</p> <p>It is controlled via the sliders "Dimmer" and "Colour temperature".</p> <p>DALI addressing is handled by the module.</p> <p>Colour temperature range: 2200-4000K</p>	<p>Dimmer: A0</p> <p><u>Colour temperature:</u> Warm white: A0 Cold white: A0</p>	
<p>31942</p>  	<p>bDW (LUX - DT8/Dim,Dim,TW)</p> <p>For controlling of two DT8 Tunable White drivers.</p> <p>Two dimmers available for individual dimming of both addresses. In addition, the common colour temperature of all connected drivers can be set.</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer 1: A0 Dimmer 2: A1</p> <p><u>Colour temperature:</u> Warm white: BC Cold white: BC</p>	
<p>38430</p>  	<p>bDW (LUX - DT8/Dim,Dim,TW, 2200-4000K)</p> <p>For controlling of two DT8 Tunable White drivers.</p> <p>Two dimmers available for individual dimming of both addresses. In addition, the common colour temperature of all connected drivers can be set.</p> <p>DALI addressing is handled by the module.</p> <p>Colour temperature range: 2200-4000K</p>	<p>Dimmer 1: A0 Dimmer 2: A1</p> <p><u>Colour temperature:</u> Warm white: BC Cold white: BC</p>	






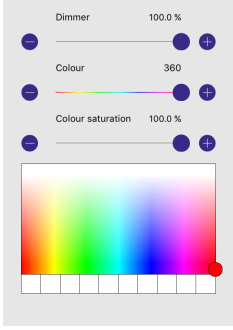


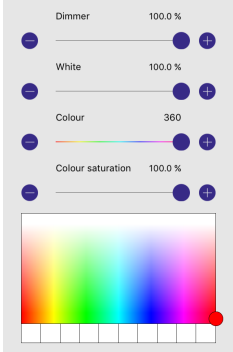


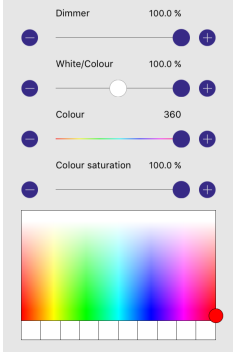
<p>38431</p>  	<p>bDW (LUX - DT8/Dim,Dim,Dim,TW)</p> <p>For controlling of three DT8 Tunable White drivers. Three dimmers available for individual dimming of all addresses. In addition, the common colour temperature of the TW channels can be set.</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer 1: A0 Dimmer 2: A1 Dimmer 3: A2</p> <p><u>Colour temperature:</u> Warm white: BC Cold white: BC</p>	
<p>38432</p>  	<p>bDW (LUX - DT8/Dim,Dim,Dim,TW, 2200-4000K)</p> <p>For controlling of three DT8 Tunable White drivers. Three dimmers available for individual dimming of all addresses. In addition, the common colour temperature of the TW channels can be set.</p> <p>DALI addressing is handled by the module.</p> <p>Colour temperature range: 2200-4000K</p>	<p>Dimmer 1: A0 Dimmer 2: A1 Dimmer 3: A2</p> <p><u>Colour temperature:</u> Warm white: BC Cold white: BC</p>	



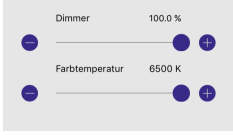


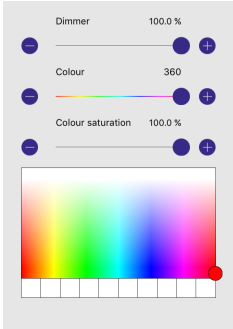


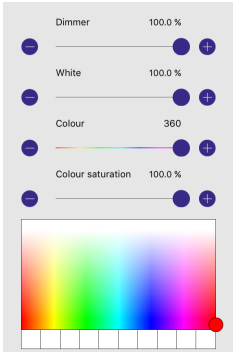




basicDIM Wireless Outdoor without light sensor



If the internal light sensor is not to be used or in order to continue using older basicDIM Wireless Outdoor Modules without a light sensor, one of the profiles from the following list must be used.

Sensor		Installation
Light Sensor	✘	✘
Movement detector	✘	✘

Profile	Description	Manual app control
23426  	bDW (1ch/Dim) The dimmer controls a single address. The DALI address can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 
25112  	bDW (2ch/Dim,Dim) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1 
25114  	bDW (3ch/Dim,Dim,Dim) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1 Dimmer 3: A2 
25115  	bDW (4ch/Dim,Dim,Dim,Dim) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1 Dimmer 3: A2 Dimmer 4: A3 

<p>25110</p>  	<p>bDW (DALI/BC/Dim)</p> <p>All DALI addresses can be controlled with a dimmer.</p>	<p>Dimmer: BC</p>	
<p>28501</p>  	<p>bDW (3ch/Dim,RGB)</p> <p>A DT6 RGB or three DT6 drivers can be connected to the module. Each address is responsible for one of the 3 colours.</p> <p>With the two colour sliders the light colour can be adjusted individually. If the "Colour saturation" slider is set to 0 %, all DALI addresses can be dimmed with "Dimmer". (= Broadcast)</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer: A0, A1, A2</p> <p><u>Colour and Colour saturation:</u> Red: A0 Green: A1 Blue: A2</p>	
<p>30743</p>  	<p>bDW (4ch/Dim/RGBW)</p> <p>Compatible with one DT6 RGBW or four DT6 drivers.</p> <p>With the dimmer all addresses are dimmed simultaneously. Each DALI address is responsible for one colour.</p> <p>With the "Colour" and "Colour saturation" sliders numerous light colours can be displayed. "White" can be set independently of the RGB channels. If "Colour saturation" is set to 0 % and "White" to 100 %, all drivers connected to the module can be controlled with "Dimmer".</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer: A0, A1, A2, A3</p> <p>White: A3</p> <p><u>Colour and colour saturation:</u> Red: A0 Green: A1 Blue: A2</p>	
<p>28490</p>  	<p>bDW (4ch/Dim/RGB/White)</p> <p>Compatible in combination with a DT6 RGBW or four DT6 drivers. With the dimmer all addresses are dimmed simultaneously.</p> <p>Each DALI address is responsible for one colour. With the dimmers "Colour" and "Colour saturation" numerous light colours can be displayed. The "White / Colour" slider allows to set the ratio between RGB and white.</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer: A0, A1, A2, A3</p> <p><u>White / Colour:</u> Ratio between white (A3) and RGB</p> <p><u>Colour and Colour saturation:</u> Red: A0 Green: A1 Blue: A2</p>	

<p>30197</p>  	<p>bDW (DT8/Dim,TW)</p> <p>A DT8 Tunable White driver can be connected to the module.</p> <p>It is controlled via the sliders "Dimmer" and "Colour temperature".</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer: A0</p> <p><u>Colour temperature:</u></p> <p>Warm white: A0 Cold white: A0</p>	
<p>28502</p>  	<p>bDW (DT8/3Ch/Dim/RGB)</p> <p>A DT8 RGB driver can be connected to the module. It is controlled via the sliders "Dimmer", "Colour" and "Colour saturation".</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer: A0</p> <p><u>Colour and colour saturation:</u></p> <p>Red: A0 Green: A0 Blue: A0</p>	
<p>28491</p>  	<p>bDW (DT8/4Ch/Dim/RGBW)</p> <p>Compatible in combination with a DT8 RGBW driver.</p> <p>With the sliders "Colour" and "Colour saturation", numerous light colours can be displayed.</p> <p>"White" can be set independently of the RGB channels.</p> <p>DALI addressing is done by the module.</p>	<p>Dimmer: A0 White: A0</p> <p><u>Colour and Colour saturation:</u></p> <p>Red: A0 Green: A0 Blue: A0</p>	
<p>28250</p>  	<p>bDW (DALI PushButton)</p> <p>basicDIM Wireless devices with selectable profile bDW (DALI PushButton) can be used in combination with a DALI XC G3 as PushButton coupler.</p> <p>This profile will show up as PushButton in the PushButton section.</p>	<p>-</p>	<p>-</p>
<p>25116</p>  	<p>bDW (Repeater)</p> <p>basicDIM Wireless devices with selectable profile bDW (Repeater) can be used as Repeater to extend the range of the network and close existing gaps.</p> <p>This profile will show up as a sensor in the sensor section.</p>	<p>-</p>	<p>-</p>

28466  	bDW (Gateway) basicDIM Wireless devices with selectable profile bDW (gateway) can be used as a gateway between a wired DALIline and a wireless basicDIM Wireless network. This allows the whole installation to be controlled via a connected DALI controller.	-	-
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basicDIM Wireless Outdoor with external DALI 2 PSensor

If the internal light sensor is not to be used but an external DALI 2 PSensor should be used instead, one of the profiles from the following list must be used. These profiles are also compatible with the old hardware without light sensor. When these profiles are used, a sensor with light and motion detection will always be displayed in the sensor section.

When using motion detection and/or daylight control, the basicDIM Wireless Outdoor module should be installed on top of the luminaire and the PSensor on the bottom of the luminaire. For daylight control, the "closed loop" operating mode must be used.

Sensor		Installation
Light Sensor	✓	look down; closed loop; with external sensor
Movement detector	✓	look down, with external sensor

Typical Application

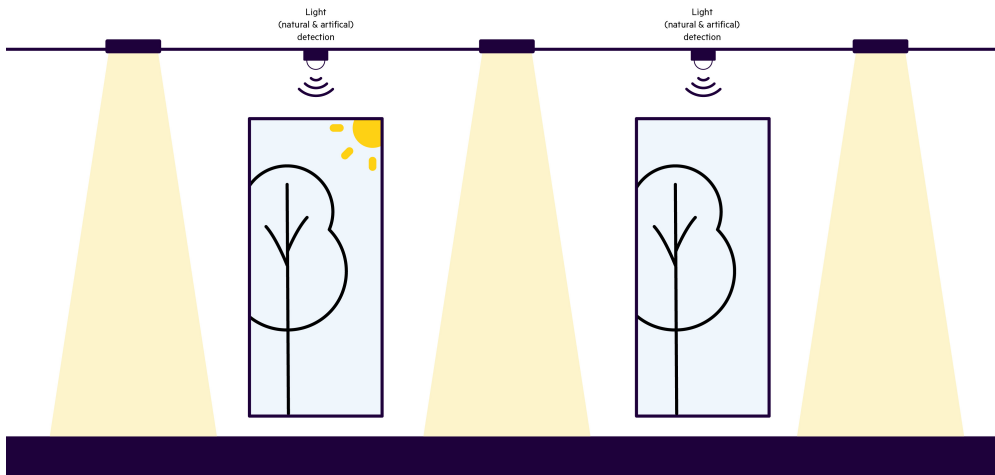
Keep the light level under the luminaire at a constant lux value, which corresponds to the "closed loop" operating mode

In this operating mode, the lux value is constantly attempted to be kept at a constant value, which corresponds to a classic control.

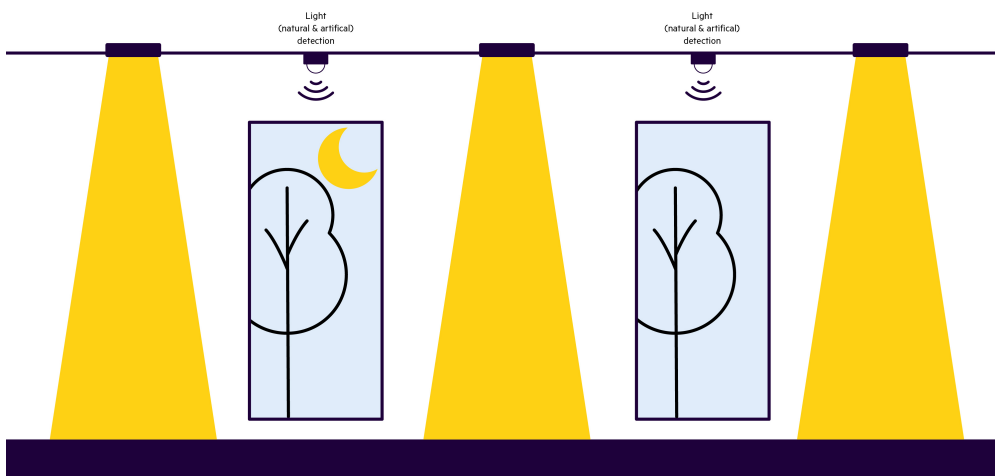
NOTICE

In this application, the light sensor must detect the lighting area!

Closed Loop
Indoor situation – Daytime








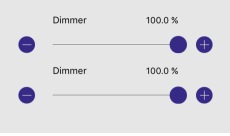






Closed Loop
Indoor situation – Nighttime




Profiles

NOTICE

"DALI2 + Sensor" in the profile name indicates that these profiles are to be used with an external DALI 2 PSensor.

Profile	Description	Manual app control	
24312  	bDW (DALI2/1CH+Sensors) The dimmer controls a single address. The connected driver can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer: A0	
25113  	bDW (DALI2/2CH+Sensors) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1	
25111  	bDW (DALI2/BC+Sensors) All connected drivers can be controlled with a dimmer.	Dimmer: BC	
38671  	bDW (DALI2/DT8/2CH/TW+Sensors) For controlling of two DT8 Tunable White drivers. Two dimmers available for individual dimming of both addresses. In addition, the common colour temperature of all connected drivers can be set. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1 <u>Colour temperature:</u> Warm white: BC Cold white: BC	

<p>30891</p>  	<p>bDW (DALI2 Sensor, Lux, Presence)</p> <p>No manual dimming functionality given. The module is displayed as sensor and receives commands from a DALI-2 MSensor. The received daylight and motion commands are supported and processed by the module.</p>	<p>-</p>	<p>-</p>
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basicDIM Wireless Outdoor with integrated light sensor and external DALI 2 PSensor as movement detector

If the internal light sensor should be used and motion should be used via an external DALI 2 PSensor, one of the profiles from the following list must be used.

If these profiles are used, a sensor with light and motion detection will always be displayed in the sensor section. Please also note that the light sensor of the PSensor is deactivated!

When using motion detection and daylight control, the basicDIM Wireless Outdoor module should be installed on top of the luminaire and the PSensor on the bottom of the luminaire. For daylight control, the "open loop" or "basic (ON /OFF)" operating mode should be used.

Sensor		Installation
Light Sensor	✓	look up; open loop; Basic (ON/OFF); with internal Sensor
Movement detector	✓	look down, with external sensor

Typical Application

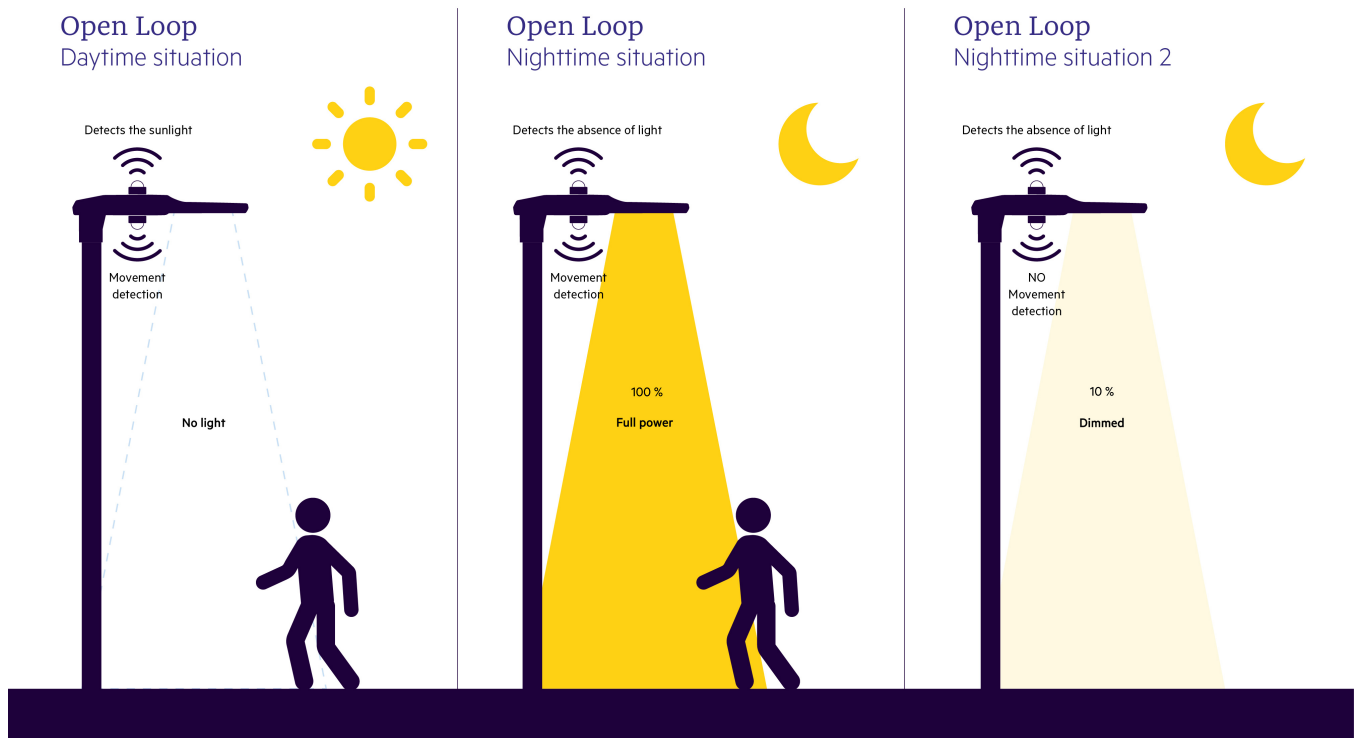
Switching on / off depending on daylight, which corresponds to the operating mode "Basic (ON/OFF)"

If the lux value falls below a certain value, the lights switch on, but the lights switch off again if the value is exceeded.
Can also be combined with motion detection.

Dimming of the lights depending on the daylight, which corresponds to the "open loop" operating mode

With this operating mode, a curve can be defined with which the dim level of the luminaire is defined depending on the daylight value.










Can also be combined with motion detection.



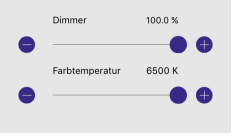




Profiles

NOTICE

"LUX; DALI 2 Presence" in the profile name indicates that the internal light sensor is used as a light sensor plus an external DALI 2 PSensor as a motion detector. The light sensor of the DALI 2 PSensor is disabled in this profile.

Profile	Description	Manual app control	
33854  	bDW (LUX; DALI 2 Presence - 1ch/dim) The dimmer controls a single address. The connected driver can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0	
37445  	bDW (LUX; DALI 2 Presence - 2ch/dim,dim) Each dimmer controls a different single address. All connected drivers can be controlled with the usual control gestures on the luminaire symbol. DALI addressing is handled by the module.	Dimmer 1: A0 Dimmer 2: A1	
34020  	bDW (LUX; DALI 2 Presence - DALI/BC/Dim) All connected drivers can be controlled with a dimmer. Additionally, the module's internal light sensor, plus the motion detector of the PSensor are displayed in the sensor section. When using daylight control, the operating mode "Open loop" or "Basic (ON/OFF)" must be used.	Dimmer: BC	

<p>37589</p>  	<p>bDW (LUX; DALI 2 Presence - DT8/Dim,TW)</p> <p>A DT8 Tunable White driver can be connected to the module.</p> <p>It is controlled via the sliders "Dimmer" and "Colour temperature".</p> <p>DALI addressing is handled by the module.</p>	<p>Dimmer: A0</p> <p><u>Colour temperature:</u></p> <p>Warm white: A0</p> <p>Cold white: A0</p>	
<p>38676</p>  	<p>bDW (LUX; DALI 2 Presence - DT8/Dim,TW, 2200-4000K)</p> <p>A DT8 Tunable White driver can be connected to the module.</p> <p>It is controlled via the sliders "Dimmer" and "Colour temperature".</p> <p>DALI addressing is handled by the module.</p> <p>Colour temperature range: 2200-4000K</p>	<p>Dimmer: A0</p> <p><u>Colour temperature:</u></p> <p>Warm white: A0</p> <p>Cold white: A0</p>	