ZUMTOBEL

DIMLITE

Lighting control module

The ideal system
for entering the world of
intelligent lighting control.

Like a jigsaw puzzle
Simply instal components piece by piece and you're finished!

DIMLITE multifunction

The lighting control system is based on the principle of a jigsaw puzzle: various components are connected to a basic module according to requirements. The basic unit already features a series of practical functions such as dimming, a central ON/OFF function and a lighting scene. According to needs, various components can be connected to this central module for extending functionality. Whether convenient control units such as the CIRCLE control point, presence detectors or a light sensor for daylight-based control of lighting, all have one thing in common: just connect them up and you're finished.

Luminaires
DIMLITE can be used with any luminaire fitted with a DALI or DSI control unit.

Multi-functional sensor
2 in 1. The sensor uses highly sensitive infra-red technology to reliably monitor the presence of people. At the same time the sensor receives signals from the infrared remote control unit.

DIMLITE also communicates with any commercially available standard presence detector.

Light sensor
The sensor monitors incident daylight and uses these data to perfectly supplement daylight with artificial light.

Control units

Luminaires

DIMLITE multifunction

Light sensors

Remote control unit

Presence detectors
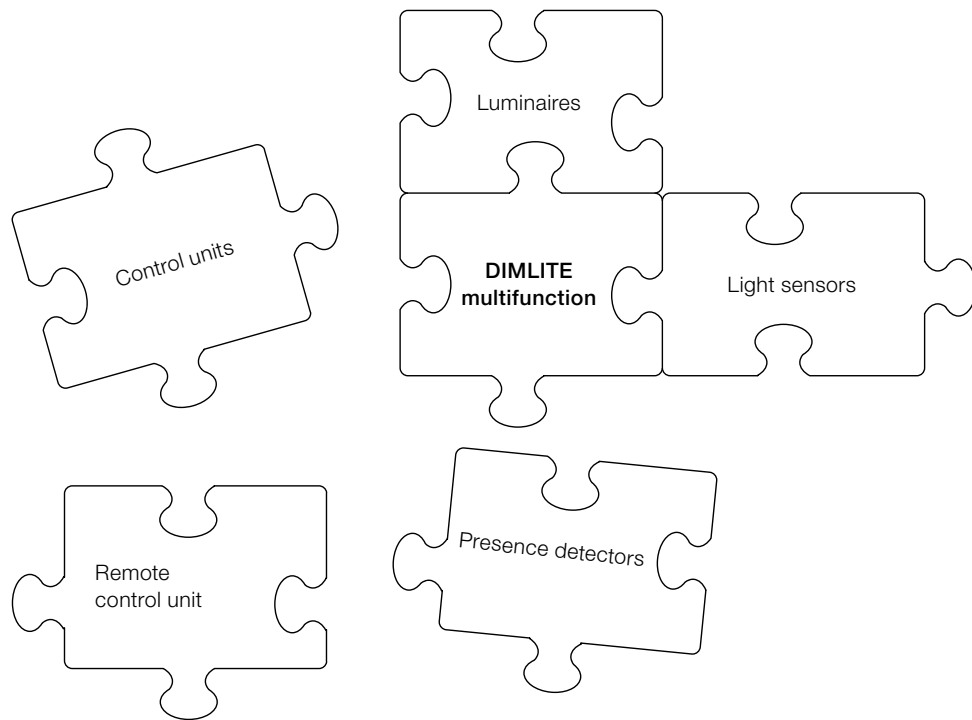
Standard momentary-action switch
Standard momentary-action switches can be used within DIMLITE systems – for dimming, for ON/OFF switching or for calling up lighting scenes.

CIRCLE control point
With three scene keys and two rocker dim switches, the innovative control point takes on all of the elementary functions of a sophisticated control panel, replacing several controllers and momentary-action switches in the room.

Remote control unit
Simple, convenient and always ready to hand: the ergonomic IR-Touch infrared remote control unit has fewer keys than a mobile phone, and allows all lighting components to be controlled independent of location.

Plug & Play
Just a few steps to implement an energy-saving lighting solution

1

2

3

The basic unit is the same for all design variations. Extension components such as presence detectors, light sensors or scene modules are then ordered separately.

The only tool the electrician needs for installing a DIMLITE lighting control unit is a screwdriver. First of all, the basic unit is installed in the switch cabinet . . .

. . . and then the luminaires are connected. Conventional NYM material can be used for cabling. With digital control via DALI or DSI the outlets are protected against polarity reversal.

DIMLITE design app for iPad

DIMLITE is the ideal first step into the world of intelligent lighting management. Zumtobel's corresponding DIMLITE app is a free design tool for electricians and electrical consultants which helps them create wiring schemes including the appropriate functions and products quite easily.

Information and download:
itunes.apple.com/gb/app/dimlite

Webapp:
zumtobel.com/dimlitewebapp

4

5

6

Appropriate sensors and control
units can now be connected at
the control-in of the DIMLITE basic
module. A supplementary device
within the switch cabinet is not
necessary, . . .

. . . as the basic module will ini-
tialise itself within a few seconds.
The green LED will indicate that
the system is ready for operation.
That's "plug & play" in the truest
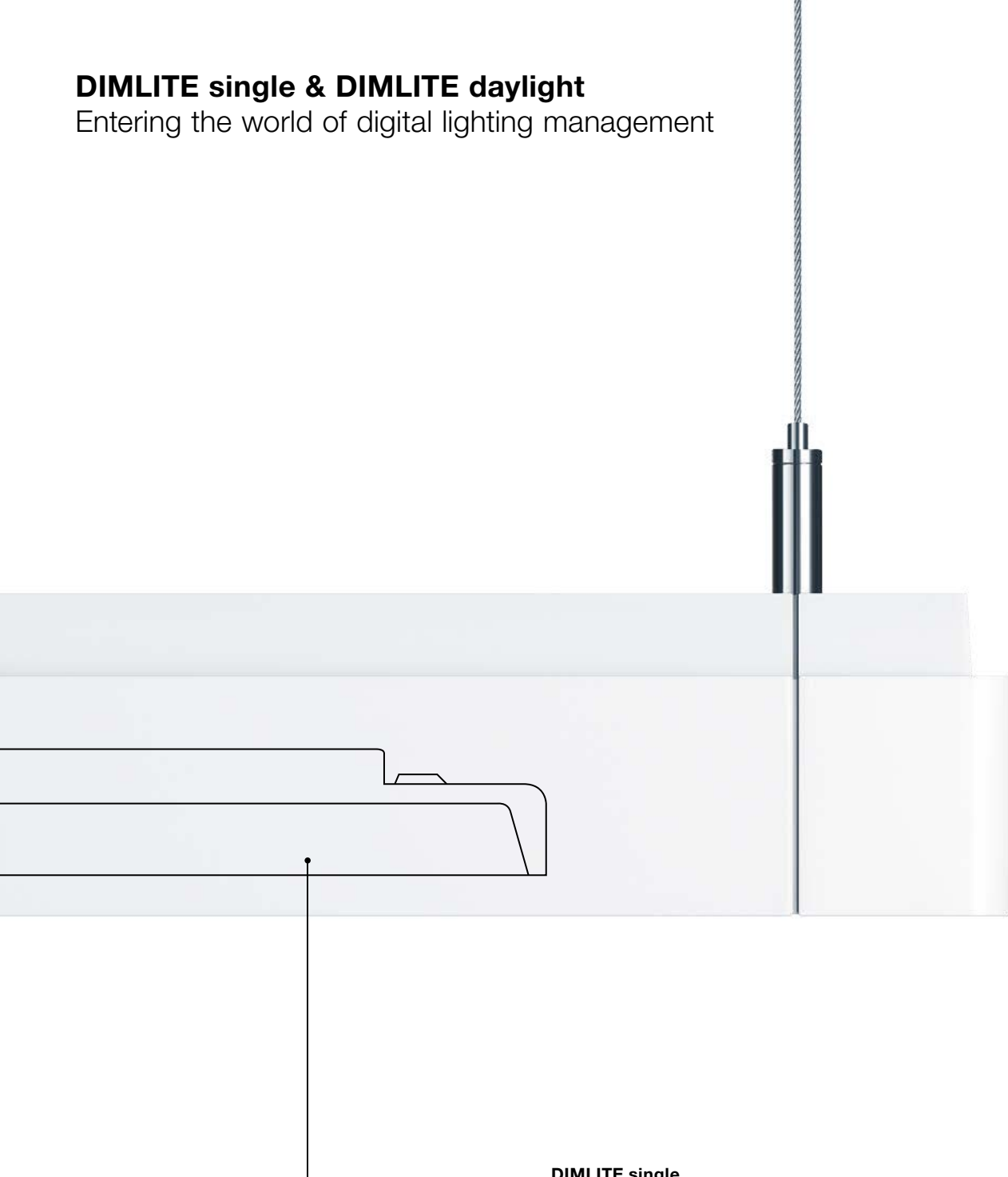sense of the word.

The system is now ready for use.
According to requirements, the
lighting scenes can be modified
or adapted according to daylight
characteristics.

Convenient and energy-efficient.
The perfect lighting solution.

DIMLITE single & DIMLITE daylight

Entering the world of digital lighting management

DIMLITE single

DIMLITE single is the perfect solution for absolutely synchronous dimming of up to 25 luminaires. Any standard presence detector can be integrated into the control system, providing for additional savings. DIMLITE single automatically identifies DALI or DSI luminaires.

DIMLITE daylight

With DIMLITE daylight, it takes little effort to implement energy-saving lighting solutions. Up to 2 x 25 luminaires can be controlled on the basis of daylight, optionally also using additional presence detectors. Thanks to snap-on strain relief, DIMLITE daylight is perfectly suitable for installation in the ceiling.

DIMLITE School Kit
Lighting scenes for classrooms

DIMLITE School Kit

New media are a regular feature of modern school routine.
The use of computers and projectors, however, is just one
of many reasons for installing intelligent lighting solutions.
Contemporary lighting is adaptive and adjusts to many different
tasks, providing appropriate lighting scenes to support varying
teaching methods. The DIMLITE School Kit includes all com-
ponents for convenient and intelligent lighting control in class-
rooms. This makes it easy for lecturers to choose the approp-
riate lighting scene to create a perfect learning environment.

Daylight-based general lighting
Lighting scene 1 adds the perfect level
of artificial lighting to the daylight availa-
ble. Seemingly natural lighting conditions
motivate students and also save energy.

CIRCLE control point
School kit

Light for video projector presentations
Lighting scene 2 is optimised for presentations using a video projector. The brightness level of ambient and blackboard lighting is reduced, the room is blacked out.

Light for concentrated study
Lighting scene 3 switches the room lighting level to 100 percent. Brightness levels this high help students to concentrate and work without interruption.
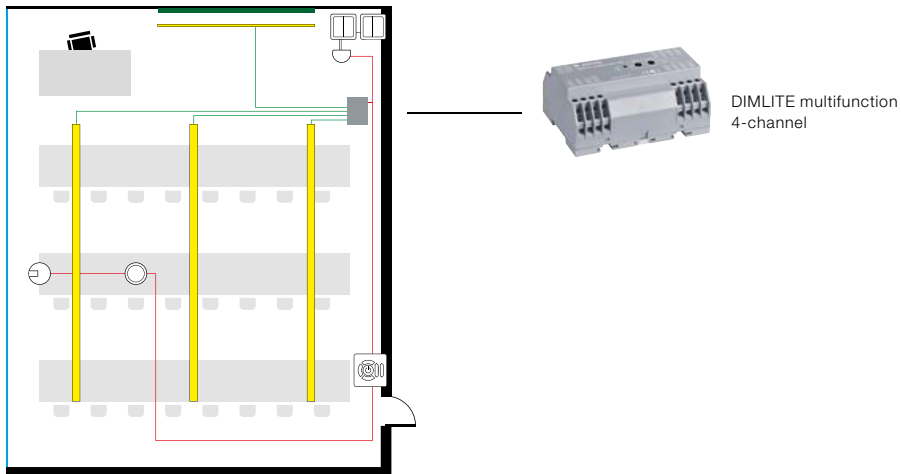
Application examples
DIMLITE multifunction

9,23 kWh/m²a

The lighting system's annual energy requirement

DIMLITE multifunction
4-channel

Classroom

Single, group or whole-class teaching? DIMLITE keeps typical lighting scenes for teaching ready at the press of a button. For this purpose, the luminaires were divided into four groups. Each group is dimmable via DALI. Daylight-based control and presence detectors dim and automatically switch off the light as soon as it is no longer required.

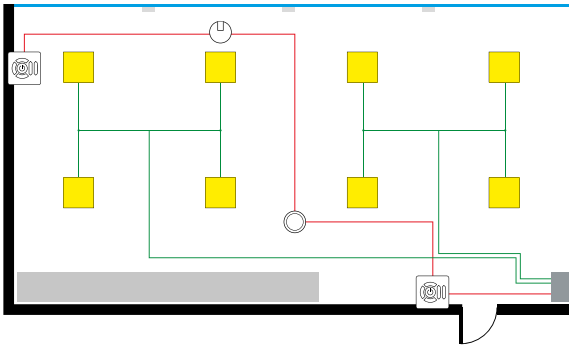Parts list

	1 x DIMLITE multifunction 4-channel
	1 x ED-SxED group/scene module
	1 x ED-EYE light sensor
	1 x ED-SENS presence detector
	2 x standard momentary-action switches
	1 x CIRCLE control point

14,28 **kWh/m²a**

The lighting system's annual energy requirement

DIMLITE multifunction
2-channel

Team office

Teamwork or computer work? Task luminaires were divided into two groups to achieve a higher level of individuality and to focus the light. The three most frequently used lighting scenes can be called up by both the CIRCLE control points and the infrared remote control unit. Daylight-based control of artificial lighting automatically saves energy.

Parts list

1 x DIMLITE multifunction 2-channel

1 x ED-IR infrared receiver

1 x IR-TOUCH infrared remote control unit

1 x ED-EYE light sensor

2 x CIRCLE control points

Application examples
DIMLITE daylight / DIMLITE single

15,82 kWh/m²a

The lighting system's annual energy requirement

DIMLITE daylight
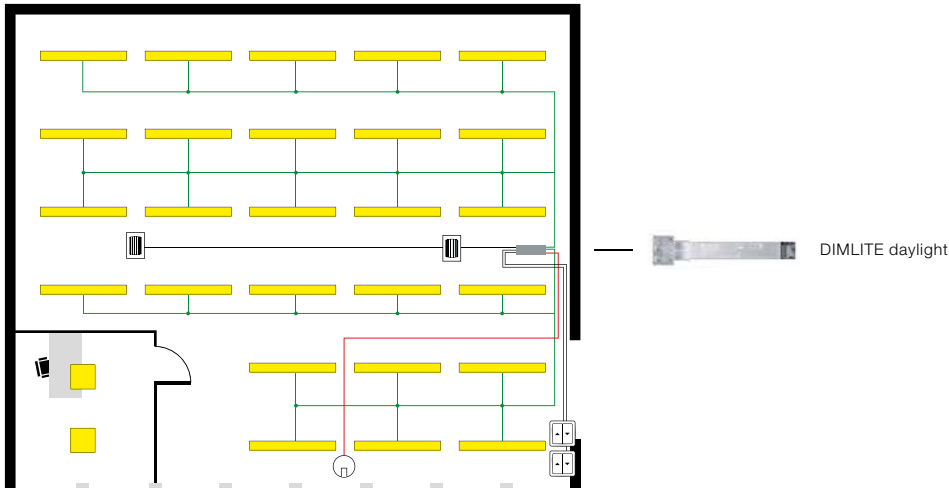
Production bay

Large bays with fluctuating numbers of employees? Luminaires are combined into two groups, according to the various production areas of the hall. This means that only one momentary-action switch is needed for switching or dimming all luminaires within one group. Two presence detectors make sure that the presence of workers is captured correctly. Here, too, energy is saved automatically owing to daylight-based control of artificial light.

Parts list

	1 x DIMLITE daylight
	2 x standard double momentary-action switches
	2 x standard presence detectors
	1 x LSD light sensor

6,91 kWh/m²a
The lighting system's annual energy requirement

DIMLITE single
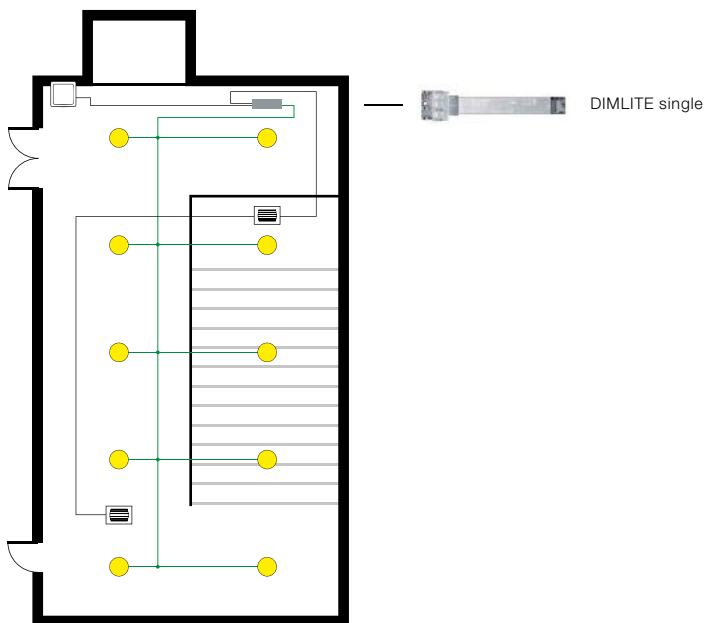
Corridor

No need to hunt for a switch to switch the light on, and no more forgetting to switch it off! DIMLITE guides employees and customers conveniently along corridors and up and down stairwells. In the times between, DIMLITE reduces energy consumption by reducing maintained light, without compromising people's sense of security.

Parts list

	1 x DIMLITE single
	1 x standard momentary-action switch
	2 x standard presence detectors

DIMLITE overview

DIMLITE single *

DIMLITE daylight *

Functions

	DIMLITE single	DIMLITE daylight
Dimming	■	■
Lighting scene	■	■
Control by momentary-action switch	■	■

Components that can be integrated

	DIMLITE single	DIMLITE daylight
Presence detector	■	■
Daylight-based control		■
CIRCLE convenience control point		
Remote control unit		
Momentary-action switch input module		

System sizes

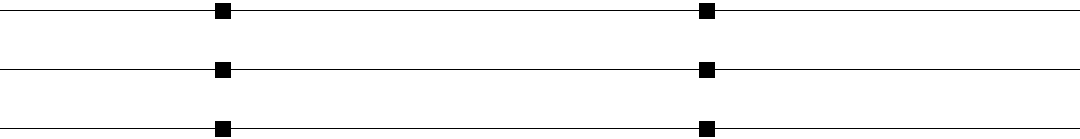|	DIMLITE single	DIMLITE daylight
Number of groups	1	2
Number of DALI electronic ballasts	25	50
Number of DSI electronic ballasts	25	50

DIMLITE multifunction
2 channel **

DIMLITE multifunction
4 channel **

* to be installed in luminaire or
  recessed into ceiling
** to be installed in switch cabinet (DIN rail
  mounted device)

2

50

100

4

100

200

DIMLITE: overview of products and applications

Saving energy

Presence
detector

Daylight-based
control

Convenience features

Conventional swit-
ches/momentary
action switches

CIRCLE
control point

Infrared remote
control unit

A direct comparison of ballasts

	Electronic ballast	DALI dimmable
Mode	switch	dim from 1 – 100 %
Input interface	none	switchdim DALI addressable
Lamps	LED, T16, T26, compact fluorescent lamps	LED, T16, T26, compact fluorescent lamps

DIMLITE four versions

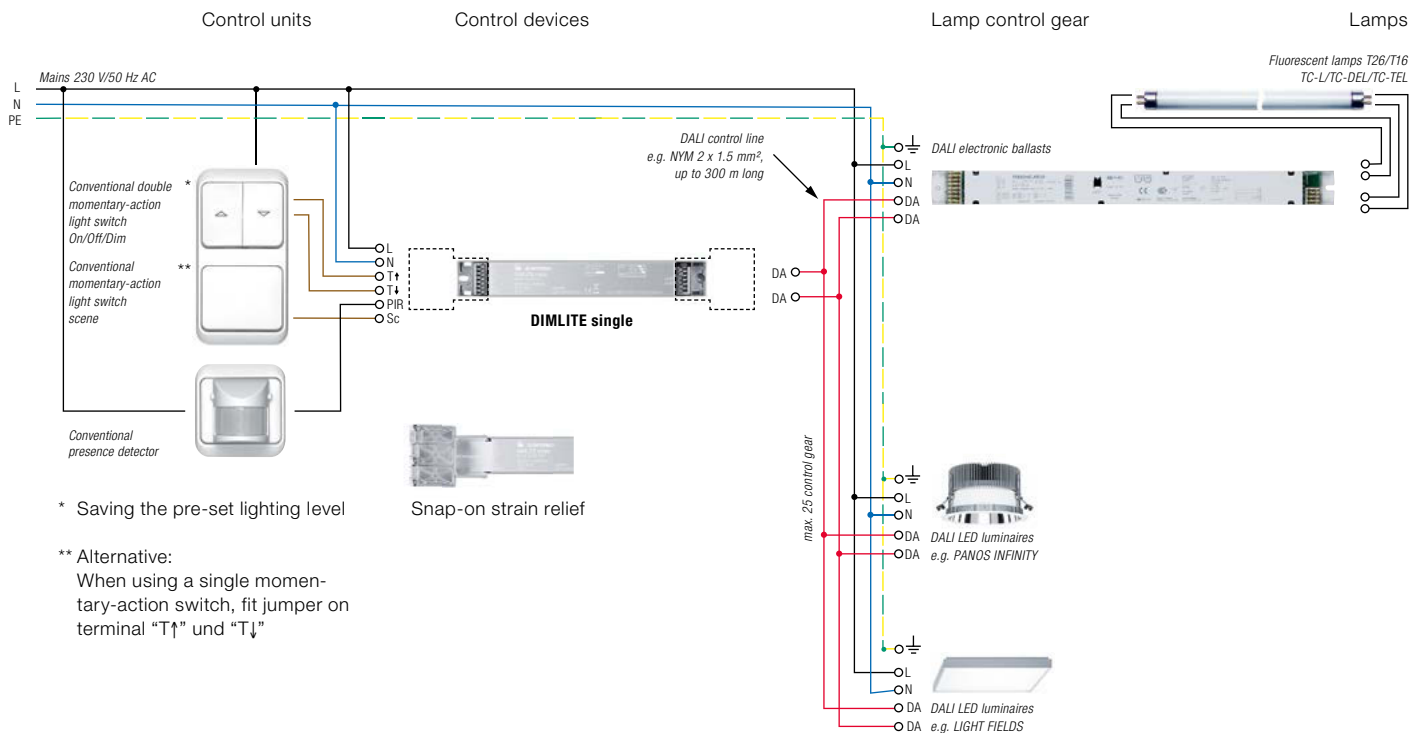| DIMLITE basic module	System size		Functions			Components that can be integrated			
	Number of groups	Number of DALI luminaires	Dimming	Lighting scene	Control by momentary-action switch	Presence detector	Daylight-based control	CIRCLE control unit	Remote control unit
DIMLITE single*	1	25	•	•	•	•			
DIMLITE daylight*	2	50	•	•	•	•	•		
DIMLITE multifunction 2ch**	2	50	•	•	•	•	•	•	•
DIMLITE multifunction 4ch**	4	100	•	•	•	•	•	•	•

* to be installed in luminaire or ceiling void
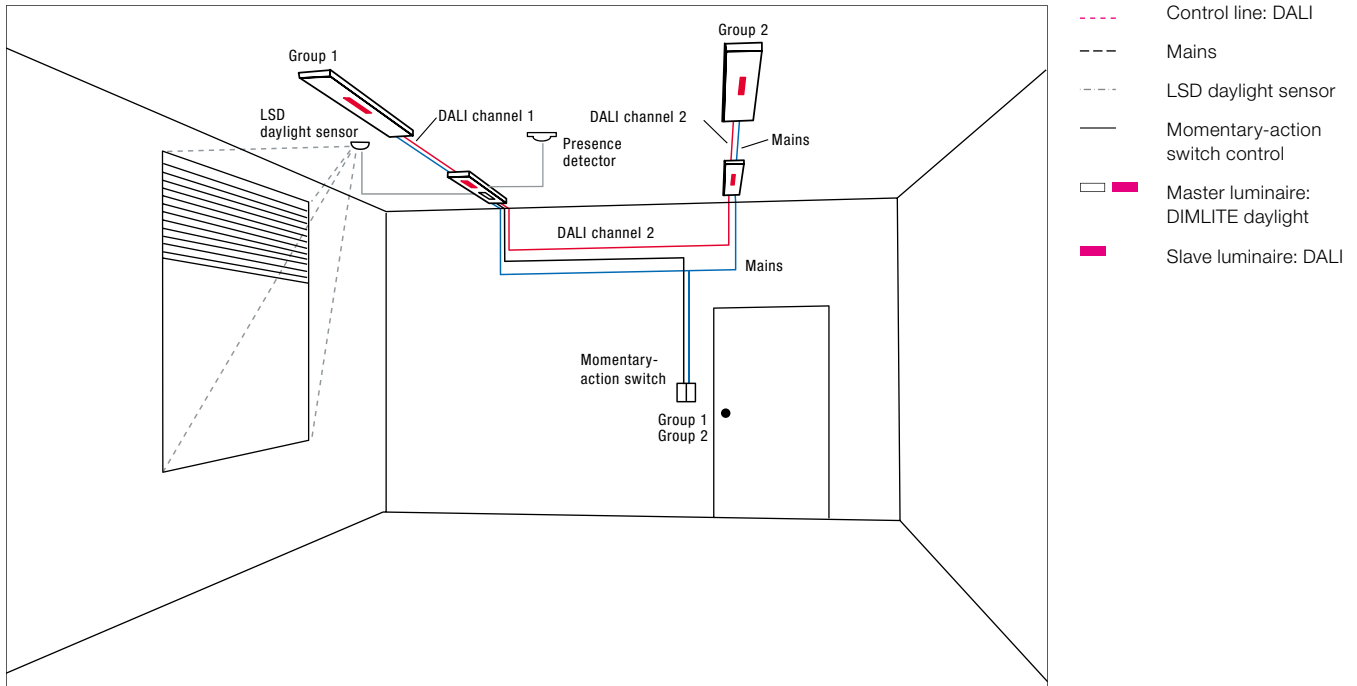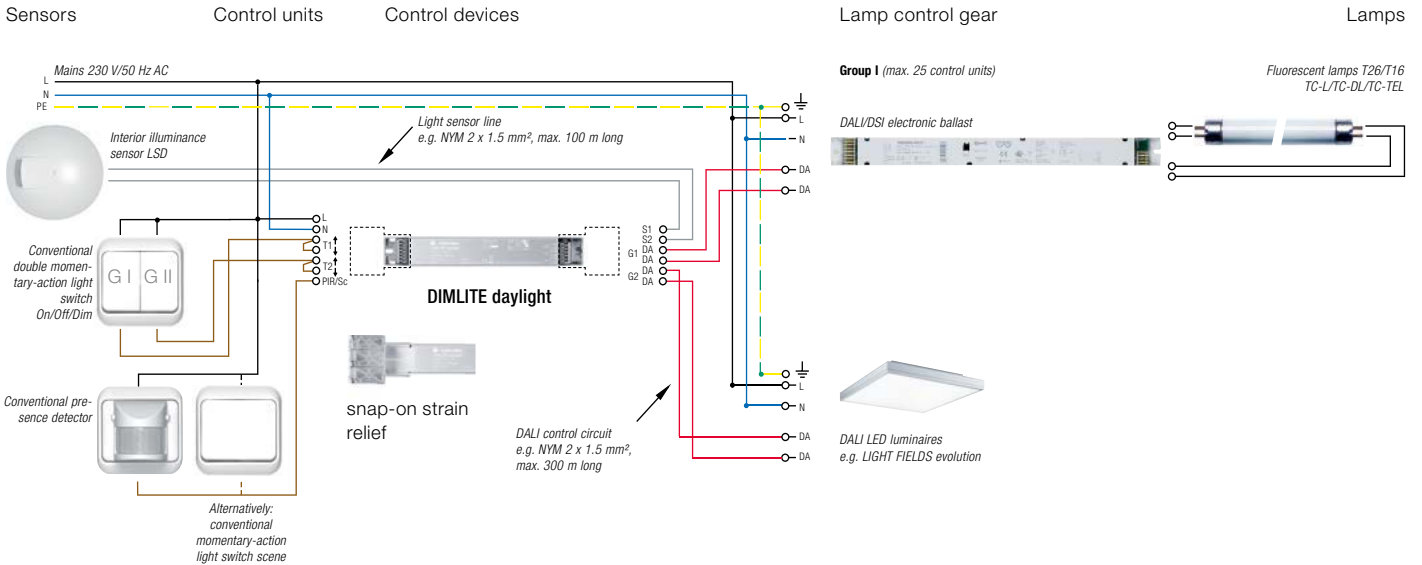** for installation in switch cabinet (DIN rail mounted device)

Dimming via control by momentary-action switches

- Absolutely flicker-free, synchronous dimming
- Easy programming and call-up of lighting scenes
- Presence detector can be integrated, 3 functional profiles: ONLY OFF, ON/OFF, CORRIDOR

- Dimming range max. 1–100 %
- Can be operated by any standard momentary-action light switch 230 V
- Several momentary-action switches can be connected in parallel

- DALI auto identification (no mixed mode)
- Easy installation
- Designs available: installed in luminaire, recessed into ceiling (using strain relief supplied)

Control units　　Control devices　　Lamp control gear　　Lamps

Fluorescent lamps T26/T16 TC-L/TC-DEL/TC-TEL

Mains 230 V/50 Hz AC

L
N
PE

DALI control line e.g. NYM 2 x 1.5 mm², up to 300 m long

DALI electronic ballasts

Conventional double momentary-action light switch On/Off/Dim

Conventional momentary-action light switch scene

L
N
T↑
T↓
PIR
Sc

DIMLITE single

DA
DA

Conventional presence detector

max. 25 control gear

*　Saving the pre-set lighting level

Snap-on strain relief

DALI LED luminaires e.g. PANOS INFINITY

** Alternative:
　When using a single momentary-action switch, fit jumper on terminal "T↑" und "T↓"

DALI LED luminaires e.g. LIGHT FIELDS

Daylight-based dimming

- Absolutely flicker-free, synchronous dimming
- Automatic daylight-based control
- Alternatively: integration of one lighting scene or a presence detector possible
- Presence detector with 3 functional profiles: ONLY OFF, ON/OFF, CORRIDOR

- Dimming range max. 1–100 %
- Can be operated by any standard momentary-action light switch 230 V
- Several momentary-action switches can be connected in parallel
- DALI auto identification (no mixed mode)

- Easy installation
- Designs available: installed in luminaire, recessed into ceiling (using strain relief supplied) or already built into luminaire

Sensors	Control units	Control devices		Lamp control gear	Lamps

Mains 230 V/50 Hz AC
L
N
PE

Interior illuminance sensor LSD

Light sensor line e.g. NYM 2 x 1.5 mm², max. 100 m long

Group I *(max. 25 control units)*

DALI/DSI electronic ballast

Fluorescent lamps T26/T16 TC-L/TC-DL/TC-TEL

Conventional double momentary-action light switch On/Off/Dim

G I   G II

L
N
T1
T2
PIR/Sc

S1
S2
DA
G1
DA
DA
G2
DA

DIMLITE daylight

snap-on strain relief

Conventional presence detector

DALI control circuit e.g. NYM 2 x 1.5 mm², max. 300 m long

DALI LED luminaires e.g. LIGHT FIELDS evolution

Alternatively: conventional momentary-action light switch scene

Group 2

Group 1

LSD daylight sensor

DALI channel 1

DALI channel 2

Presence detector

Mains

DALI channel 2

Mains

Momentary-action switch

Group 1
Group 2

- - - - Control line: DALI

- - - - Mains

- · - · - LSD daylight sensor

———— Momentary-action switch control

Master luminaire: DIMLITE daylight

Slave luminaire: DALI

DALI/DSI control unit (PIR, momentary-action switch), 1 channel, installed in luminaire/ceiling

- For single or double momentary-action switch control of up to 25 DSI or DALI compatible control gear units
- DALI/DSI control gear, no mixed operation
- ON / OFF / dimming (1–100 %)
- Either motion detector function (only off, on/off, corridor) or store/run one light scene
- Installation: fitted in luminaire or ceiling void with plug-on strain relief (included)

	L/W/H	Order no.
Control device		
DIMLITE single	281/50/21	22 162 194
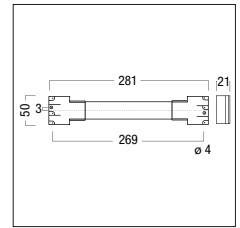
DALI/DSI control unit (sensor, PIR), 2 channels, installed in luminaire/ceiling

- For daylight-based control of 2 luminaire groups, each with up to 25 DSI or DALI compatible control gear units
- DALI/DSI control gear, no mixed operation
- ON / OFF / dimming (1–100 %)
- Either motion detector function (only off, on/off, corridor) or store/run one light scene
- Installation: fitted in luminaire or ceiling void with plug-on strain relief (included)

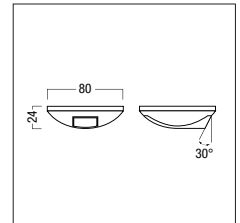|	L/W/H	Order no.
Control device		
DIMLITE daylight	281/50/21	22 162 195
Accessory		
LSD Light sensor		20 731 906
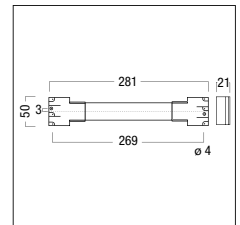
Sensor (light) ceiling mounted

- The light sensor measures the daylight entering the room
- Installation: surface-mounted on ceiling
- For connecting to the local control units.

	H/Ø	Order no.
Sensor		
LSD Light sensor	24/80	20 731 906

Multifunctional lighting control

- Compact lighting control unit for 2/4 luminaire groups
- DALI outputs with automatic identification
- Reducing stand-by loss: automatic power disconnection of lighting actuators via integrated relay

- Modular range of functions, to be individually combined:
  - daylight-based control
  - presence detectors / movement sensors ONLY OFF, ON/OFF, CORRIDOR
  - infrared remote control unit
  - CIRCLE comfort control unit
  - lighting scene module
  - group module

- Up to 3 lighting scenes, one of them with daylight-based control (depending on additional devices)
- AUTO setup: automatic initialisation, no addressing required
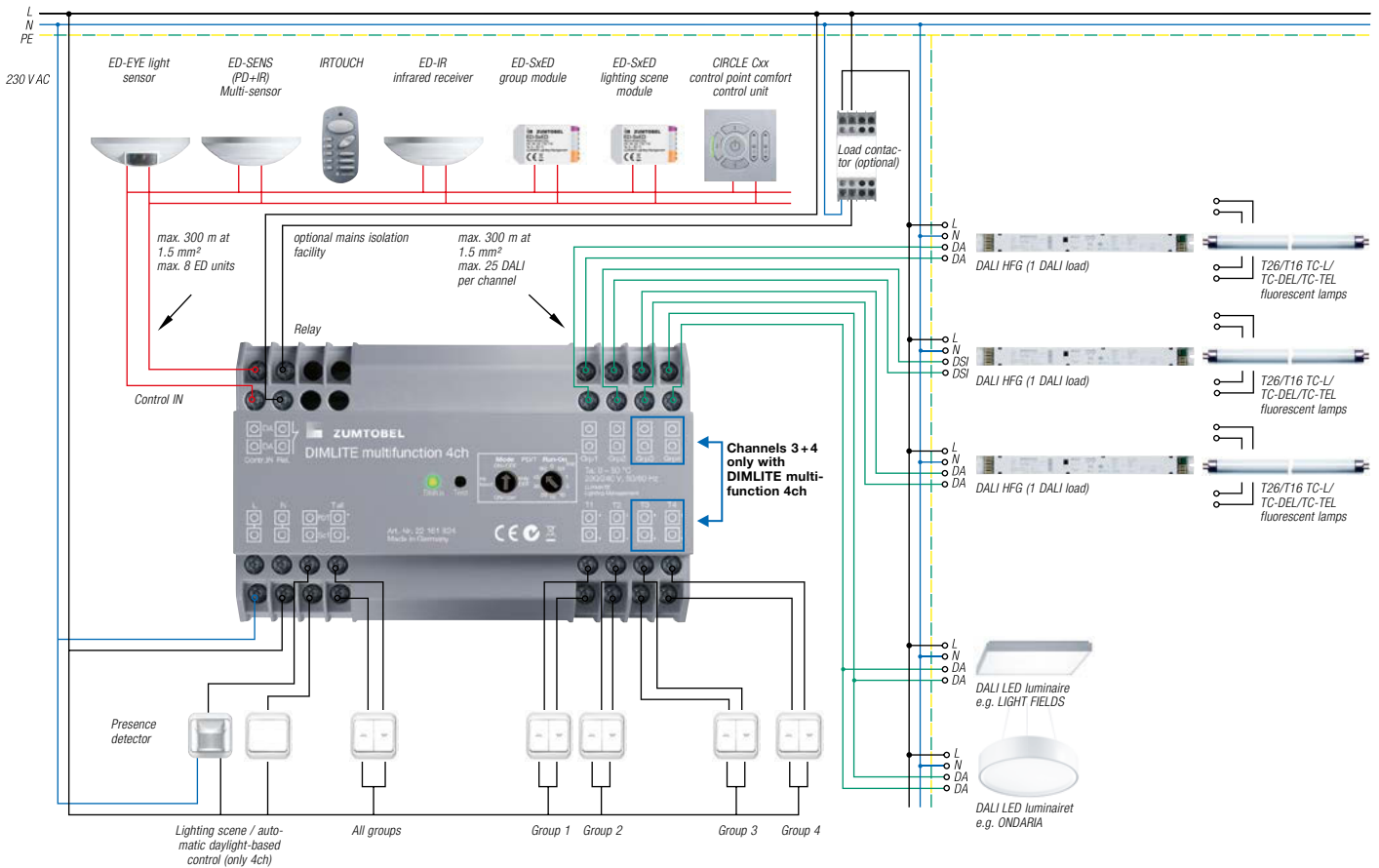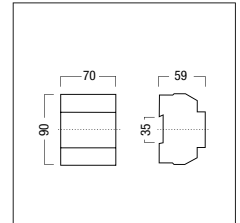

Design notes

- DIMLITE multifunction 2ch two-channel unit and DIMLITE multifunction 4ch four-channel unit are identical except for the number of output channels and corresponding key inputs
- AUTO setup function: each time the power returns to the unit, the system will be initialised automatically
- Maximum cable length for all control lines (Control-IN, DALI): max. 300 m each at 1.5 mm²
- The DIMLITE outputs are DALI broadcast - no addressing is required during commissioning. Groups are assigned by wiring the lighting actuators accordingly
- Maximum of 25 DALI units (25 DALI loads) per output channel
- Only Zumtobel ED units may be connected to Control-IN. Maximum of 8 ED units at Control IN (exception ED-EYE: max. 1 light sensor)

- ED-SENS presence detector can be assigned to individual groups via IR remote control
- Installation of light sensor: surface-mounted on the ceiling, directed towards the window
- Lighting scenes and daylight settings are entered using key combinations
- If a light sensor is installed, Lighting Scene 1 will always call up the daylight programme; all available groups will always be subject to daylight-based control
- Up to 3 lighting scenes, depending on the control unit used; each control unit will always call up the same scene 1, 2, 3 or OFF
- The functions of the "ED-SxED" ED unit may be selected using the integrated rotary switch: either scene module (1, 2, 3, OFF) or group module (dimming of Group 1, 2, 3, 4).

- CIRCLE control unit calls up three lighting scenes and OFF; the two rocker control switches will dim Lighting Groups 1 and 2; Lighting Groups 3 and 4 cannot be individually dimmed
- Conventional 230 V momentary-action switches can be connected to the momentary-action switch inputs
- PIR input to connect a conventional movement sensor
- Relay for mains cut-off: 16 A resistive load; in case of higher loads or capacitive/inductive loads, an external power contactor is recommended

DALI/DSI multifunction control unit, 2 channels, switch cabinet

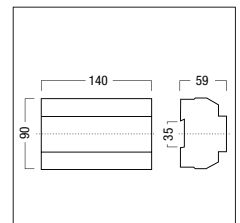|	L/W/H	Order no.
Control device		
DIMLITE multifunction 2ch	70/90/59	22 161 822
Operation		
ED-CCS 1/2/3 Li1/Li2 silver	87/87/13	22 154 657
ED-CCW 1/2/3 Li1/Li2 white	87/87/13	22 154 658
IRTOUCH Infrared remote control for ED-SENS sensor	119/57/28	22 154 450
Sensor		
ED-EYE Light sensor	80/80/24	22 154 682
ED-IR Infrared sensor	104/104/42	22 161 823
ED-SENS Präsens + infrared sensor	104/104/42	22 154 506

- Dimming of 2 luminaire groups
- DALI/DSI control gear, no mixed operation, 50 DSI or 25 DALI per channel
- Modular light controller with variable range of functions:
- Daylight-based control using ED-EYE
- Occupancy control using ED-SENS
- Wireless control using IRTOUCH and ED-IR/ED-SENS
- CIRCLE control point (3 scenes, 2 groups) with ED-CSx/ED-CCx
- Four independent momentary-action switches can be integrated via the ED-SxED (configured using rotary switch: 4 lighting scenes or 2 groups)
- 1 relay output for disconnecting the control gear from the supply
- No commissioning (address-setting) necessary (Broadcast mode)
- Installed on EN rail 35 mm

DALI/DSI multifunction control unit, 4 channels, switch cabinet

	L/W/H	Order no.
Control device		
DIMLITE multifunction 4ch	140/90/59	22 161 824
Operation		
ED-CCS 1/2/3 Li1/Li2 silver	87/87/13	22 154 657
ED-CCW 1/2/3 Li1/Li2 white	87/87/13	22 154 658
IRTOUCH Infrared remote control for ED-SENS sensor	119/57/28	22 154 450
Input device		
ED-SxED 4-way	48/28/15	22 176 716
Sensor		
ED-EYE Light sensor	80/80/24	22 154 682
ED-IR Infrared sensor	104/104/42	22 161 823
ED-SENS Präsens + infrared sensor	104/104/42	22 154 506

- Dims 4 luminaire groups
- DALI/DSI control gear, no mixed operation, 50 DSI or 25 DALI per channel
- Modular light controller with variable range of functions:
- Daylight-based control using ED-EYE
- Occupancy control using ED-SENS
- Wireless control using IRTOUCH and ED-IR/ED-SENS
- CIRCLE control point (3 scenes, 2 groups) with ED-CSx/ED-CCx
- Four independent momentary-action switches can be integrated via the ED-SxED (configured using rotary switch: 4 lighting scenes or 4 groups)
- 1 relay output for disconnecting the control gear from the supply
- No commissioning (address-setting) necessary (Broadcast mode)
- Installed on EN rail 35 mm

Complete package for classrooms

- Dims 4 luminaire groups
- DALI/DSI control gear, no mixed operation, 50 DSI or 25 DALI per channel
- Includes all the components for a classroom
- Daylight-based control using ED-EYE
- Occupancy control using ED-SENS
- CIRCLE control point (3 scenes, 2 groups) with special classroom symbols
- 1 relay output for disconnecting the control gear from the supply
- Units already pre-configured; no commissioning / no addressing required
- Installed on EN rail 35 mm

Pre-assembled package

	Order no.
DIMLITE school KIT	22 162 310
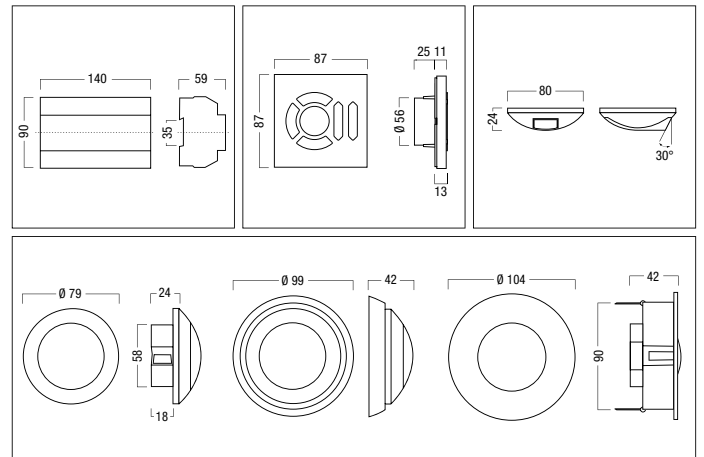
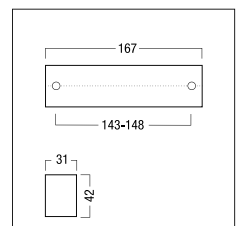**Phase dimmer (DSI/momentary-action switch), installed in luminaire/ceiling**

- Phase dimmer up to 500 VA max.
- Automatic load recognition (leading/trailing edge control)
- Control via DSI signal or momentary action switch
- Installation: in luminaire/ in the ceiling void

Phase-control dimmer	L/W/H	Order no.
PDAX 500VA leading / trailing edge	167/42/31	22 154 307

Phase dimmer (DALI/DSI/momentary-action switch), installed in luminaire/ceiling

- Phase dimmer up to 500 VA max.
- Automatic load recognition (leading/trailing edge control)
- Control via DALI/DSI signal or momentary action switch
- Installation: in luminaire/ in the ceiling void

Phase-control dimmer	L/W/H	Order no.
APDX-500 leading / trailing edge	167/42/31	22 154 224

Phase dimmer (DALI/DSI/momentary-action switch), switch cabinet

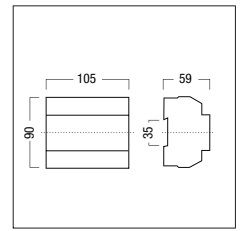|	L/W/H	Order no.
Phase-control dimmer		
APDS-1000 leading / trailing edge	105/90/59	22 154 223

- Phase dimmer with a max. of 1000 VA
- Automatic load recognition (leading/trailing edge control)
- With Preset function: stores and calls up any light level
- Control via DALI/DSI signal or momentary action switch
- Installed on EN rail 35 mm

Phase dimmer (DALI/DSI/momentary-action switch)

	L/W/H	Order no.
Phase-control dimmer		
APDS-5000 leading edge	156/220/100	22 154 264

- Phase dimmer with max. 5000 VA
- With Preset function: stores and calls up any light level
- Control via DALI/DSI signal or momentary action switch
- Installed in switch cabinet, with terminals facing downwards
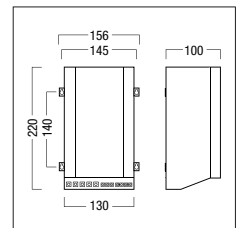
Relay output (DSI), installed in luminaire/ceiling

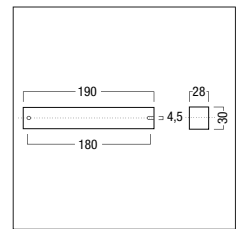|	L/W/H	Order no.
Relay output		
DSI-RK	190/30/28	86 449 304

- One relay contact for switching luminaires and electrical loads based on a programmable DSI control value
- Switching capacity: 500 W / 200 VA
- Installation: in luminaire/ in the ceiling void

DALI amplifier, installed in luminaire

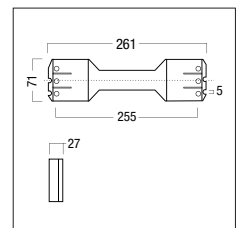|	Order no.
Amplifier	
DALI-V	22 176 496

- For amplifying the DALI signal and connecting an extra 64 DALI-compatible ballasts
- Installation: in luminaire/ in the ceiling void
- No feedback on lamp faults

DSI amplifier, installed in luminaire

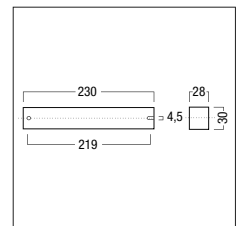|	L/W/H	Order no.
Amplifier		
DSI-V	230/30/28	20 975 705

- For amplification of the DSI signal and connection of additional 50 DSI-controllable control gear
- Installation: in luminaire/ in the ceiling void
- No feedback on lamp faults

|...| Shared properties ED Circle control point, wall-recessed

- 3 lighting scenes
- Dimming of 2 luminaire groups
- Intuitive symbols for convenient operation
- ED-Cxx 1/2/3 printed with "1", "2", "3" and 2 x "Light level"

- Power supply via DALI line (3 DALI loads)
- Installed in single Euro socket, dimensions to DIN 0606 (Ø 60 mm, depth 42 mm), or UK metal backbox (not included with product)

- No DALI addresses occupied
- Variant (V): customised combination of key sets from the intuitive LUXMATE icon collection (see data sheet)

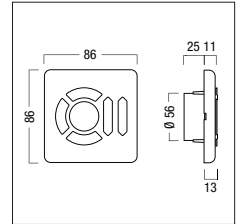## ED Circle control point, rounded-edge design, wall-recessed

- |...|

Order no.

Light level (2x)

ED-CSB 1/2/3 Li1/Li2 anthracite	22 161 827
ED-CSS 1/2/3 Li1/Li2 silver silver	22 154 422
ED-CSW 1/2/3 Li1/Li2 white white (RAL 9003)	22 154 427

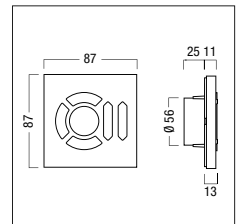## ED Circle control point, square-edge design, wall-recessed

- |...|

Order no.

Light level (2x)

ED-CCB 1/2/3 Li1/Li2 anthracite	22 161 828
ED-CCS 1/2/3 Li1/Li2 silver	22 154 657
ED-CCW 1/2/3 Li1/Li2 white	22 154 658

Variant

ED-Cxx (V)	28 000 007

Mounting frame for Circle control point

- Installation accessory for flush-fitting one square-edge CIRCLE control point
- Stainless steel recessed frame
- With adjusting screws for precise horizonal alignment after installing in unfinished wall structure
- Standard Ø 68 mm cavity wall socket included
- For 25mm plasterboard wall
- Constant shadow gap between control point and wall cut-out
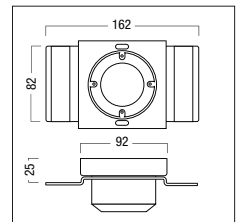- Cutout size 92 x 92 mm

Order no.

Installation box for flush-fitting control point in wall

INTO-1CCX mounting frame for 25mm plasterboard wall	22 161 751

Extractor tool

INTO-CCX TOOL Pull-off tool	22 161 893

Please order extraction tool separately for non-scratch removal of control unit

Infrared remote control unit

- For control of up to 5 independent groups (depending on system family used)
- 3 lighting scenes
- ON / OFF / dimming (1–100 %)
- Housing made of grey polycarbonate
- Only in conjunction with ED-SENS part no. 22 154 506 or ED-IR part no. 22 161 823
- When used in EMOTION installation, must be configured using EMOTION-Touch, part no. 22 154 510

Order no.

Remote control

|	
IRTOUCH Infrared remote control for ED-SENS sensor	22 154 450
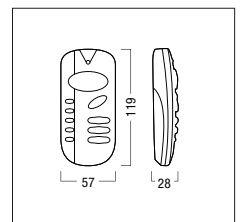
Input (switch/momentary-action switch) 4ch recessed

• Switch, switch/dim, switch-change-
over input with 4 independent
inputs for running scenes and
dimming using conventional
momentary-action switches
Momentary-action switch input for
opening and closing windows
using conventional (dual) mom-
action switches
• Function can be configured for
each input
• Installed in standard flush socket
• Power cable 30 cm
max. (not included)
• Power supply via DALI
line (3 DALI loads)

ED-SxED 4-way	22 176 716
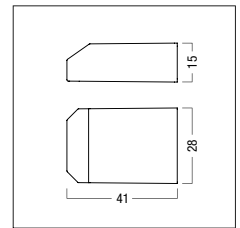
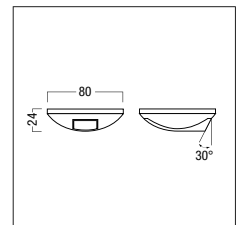## ED sensor (light), surface-mount

	H/Ø	Order no.

• The light sensor measures the
daylight entering the room
• Power supply via DALI line
2 DALI loads)
• Installation: surface-mounted
on ceiling
• No DALI addresses occupied
• For use with LM-3DALIS
and LITENET netlink

| ED-EYE Light sensor	24/80	22 154 682

Sensor (infrared, presence), surface-mount/recessed

• Presence detector and integrated
infrared interface
• Housing: halogen-free white
plastic (RAL 9003)
• Detection range at 2.5 m mounting
height: 8 m Ø
• Power supply via DALI line
(4 DALI loads)
• Ceiling-mounted in Euro/standard
single back box; fitting acces-
sories for surface-mounting and
recessed-mounting included
• Up to 3 IRTOUCH remote control
units with diffierent configuration
• For use with LM-3DALIS
and LITENET netlink
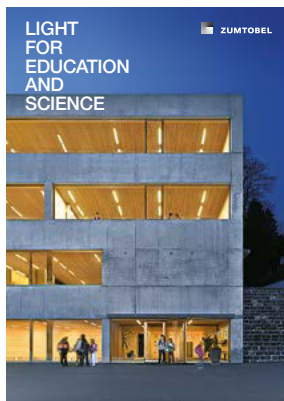• No DALI addresses occupied

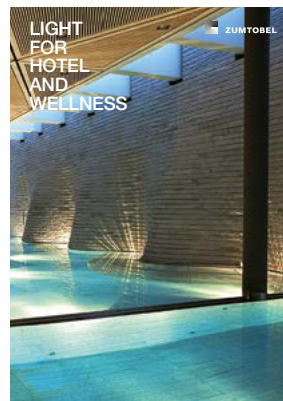Sensor

ED-SENS Präsens + infrared sensor	22 154 506
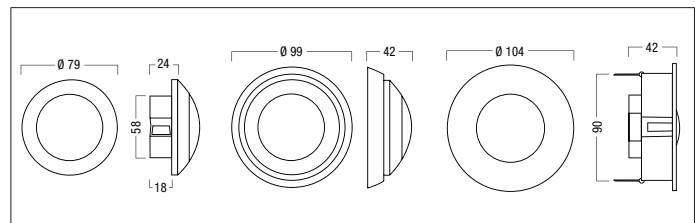
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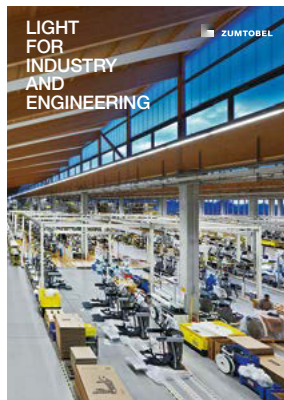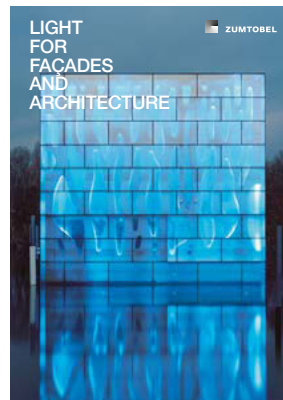
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Zumtobel, a company of the Zumtobel Group, is an internationally leading supplier of integral lighting solutions for professional indoor and outdoor building lighting applications.

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- Presentation and Retail
- Hotel and Wellness
- Art and Culture
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We provide unique customer benefits by integrating technology, design, emotion and energy efficiency. Under the Humanergy Balance concept, we combine the best possible ergonomic lighting quality for an individual's well-being with the responsible use of energy resources. The company's own sales organisations in twenty countries, as well as commercial agencies in fifty other countries, form an international network of experts and design partners providing professional lighting consulting, design assistance and comprehensive services.

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In line with our corporate philosophy *"We want to use light to create worlds of experience, make work easier and improve communications and safety while remaining fully aware of our responsibility to the environment"*, Zumtobel offers energy-efficient high-quality products, while at the same time making sure that our production processes based on the considerate use of resources are environmentally compatible.

zumtobel.com/sustainability

5
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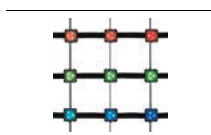T +48 22 856 74 31
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