



Application guide EASY lighting control

Light is OSRAM



Contents

1 EASY system overview	3	5 Application: Recreation room with biological light effect – Tunable White (DALI EASY SO)	11
1.1 General	3	5.1 Requirements	11
1.2 Basic circuit diagram	4	5.2 Functional description	12
1.3 System boundaries	4	5.3 Wiring diagram	12
2 Application: Conference room with different lighting scenes (DALI EASY SO)	5	5.4 Commissioning	13
2.1 Requirements	5	5.5 Applied control components	13
2.2 Functional description	6	5.6 Additional notes	13
2.3 Wiring diagram	6	6 Application: Shop lighting and RGB cove lighting (DALI EASY SO + OT EASY 80)	14
2.4 Commissioning	6	6.1 Requirements	14
2.5 Applied control components	6	6.2 Functional description	15
2.6 Additional notes	6	6.3 Wiring diagram	15
3 Application: Colored counter illumination (OT EASY 80)	7	6.4 Commissioning	16
3.1 Requirements	7	6.5 Applied control components	16
3.2 Functional description	7	6.6 Additional notes	16
3.3 Wiring diagram	8	7 Application: Colored facade lighting (EASY DMX 16x4 SO)	17
3.4 Commissioning	8	7.1 Requirements	17
3.5 Applied control components	8	7.2 Functional description	17
3.6 Additional notes	8	7.3 Wiring diagram	17
4 Application: Showroom with Tunable White light ceiling (OT EASY 80)	9	7.4 Commissioning	18
4.1 Requirements	9	7.5 Applied control components	18
4.2 Functional description	9	7.6 Additional notes	18
4.3 Wiring diagram	10	8 Components at a glance	19
4.4 Commissioning	10	8.1 Control devices	19
4.5 Applied control components	10	8.2 User interfaces	20
4.6 Additional notes	10	8.3 Accessories	21
		8.4 LED modules	23

Please note:

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1 EASY system overview

1.1 General

With state-of-the-art and easy-to-use components, the EASY control system offers the possibility to create static as well as dynamic lighting solutions with white and colored light. With a single control device, up to four output channels can be controlled separately. Multiple control devices can be easily connected to each other to expand the system. With the integrated sequencer, up to 4 sequences can be individually configured and recalled. For each sequence, up to 16 lighting scenes can be freely defined.

The system is ideally suited for all applications with static lighting scenes or dynamic sequences. From the conference room to playful colored lighting in the bar, in the shop or on the facade.

The individual control devices have different dimming interfaces:

- Pulse width modulation for dimming 24-V constant-current LED modules
- DALI or
- DMX

Each device has 4 separately dimmable output channels¹⁾ and operates in various modes depending on the connected consumer:

- 4-channel white
- Tunable White
- RGB
- RGB-W

The smallest control system consists of a single device. The system is wired ready for operation and starts a pre-programmed sequence as soon as the device is supplied with voltage (ideal for an immediate function test of the connected consumer).

For the control of larger systems and higher wattages, up to 64 devices¹⁾ can be connected to each other. If multiple EASY control devices are synchronized, a dynamic sequence or a scene can be recalled simultaneously on all devices.

Each control device can store and recall 4 sequences, which each consist of up to 16 different scenes.

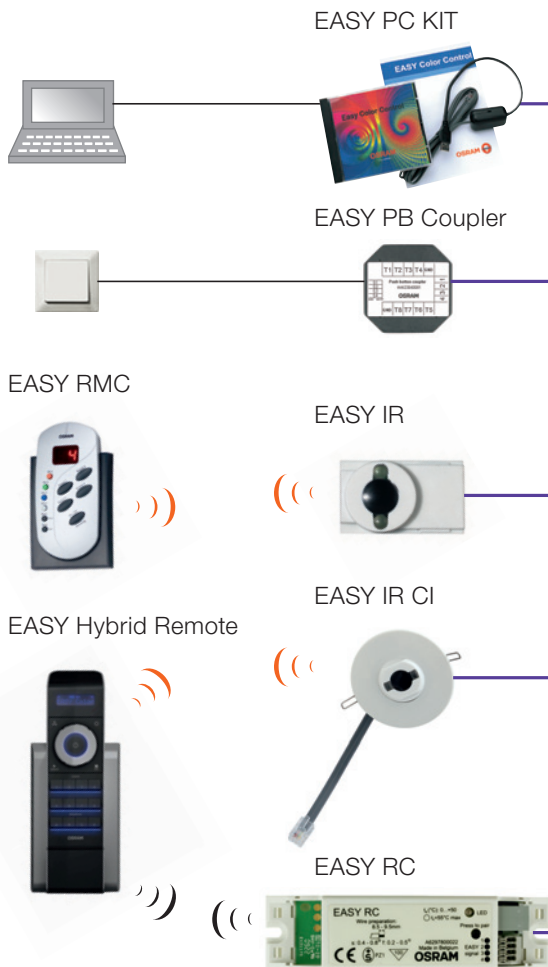
For this control system, a range of different user interfaces is available. For example, it is possible to simply start single scenes or sequences with standard push-buttons and a push-button coupler. Alternatively, a wall control unit or remote control can be used to change color and brightness level. The user interfaces and control devices can be freely combined.

In addition to the user interfaces, a PC software is available to provide access to the control devices via a USB adapter (EASY PC KIT). Each control device can thus be configured individually and each scene in each sequence can be adjusted. The cross-fade and hold times within a sequence can also be changed.

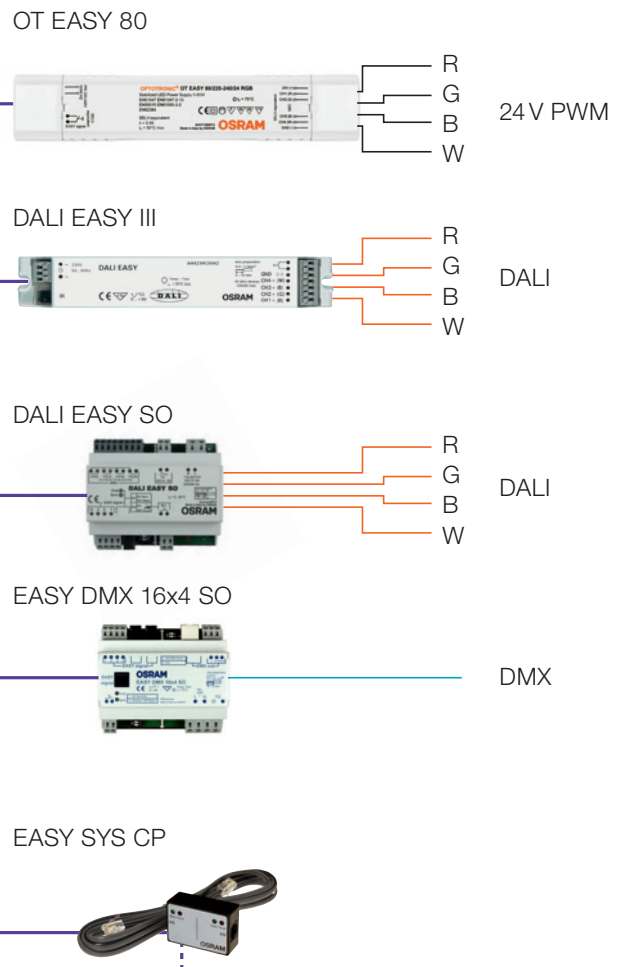
¹⁾ Special characteristic of EASY DMX 16x4 SO: A control device can control up to 16x4 channels; maximum of 4 control devices, i.e. 64x4 channels can be combined.

1.2 Basic circuit diagram

User interfaces



Control devices



1.3 System boundaries

Technical boundaries of the system:

- One or more user interfaces (PB Coupler limited to 2 pieces per system)
- Up to 16 control devices or 1 EASY DMX 16x4 SO
- Max. length of EASY bus line: 100 m

System extensions:

- Up to 4 systems can be synchronized with the EASY SYS CP system coupler (signal amplifier)
- Extension of the EASY bus line by 100m per system coupler. Maximum total length of EASY bus line: 400 m.

Characteristics of the EASY system:

- Up to 16 scenes per device can be stored and recalled
- 4 dynamic sequences can be stored and recalled
- A sequence consists of up to 16 scenes with different hold and cross-fade times
- Hold and cross-fade times can be freely configured from 0.1 s to 24 h

For an overview of the features of the individual components, see chapter 8 “Components”. Further information can be found at www.osram.com/easy.

2 Application: Conference room with different lighting scenes (DALI EASY SO)

2.1 Requirements

The lighting of the conference room is easy to operate and adapts itself to the particular application. With a push-button at the entrance, the entire lighting is switched and dimmed.

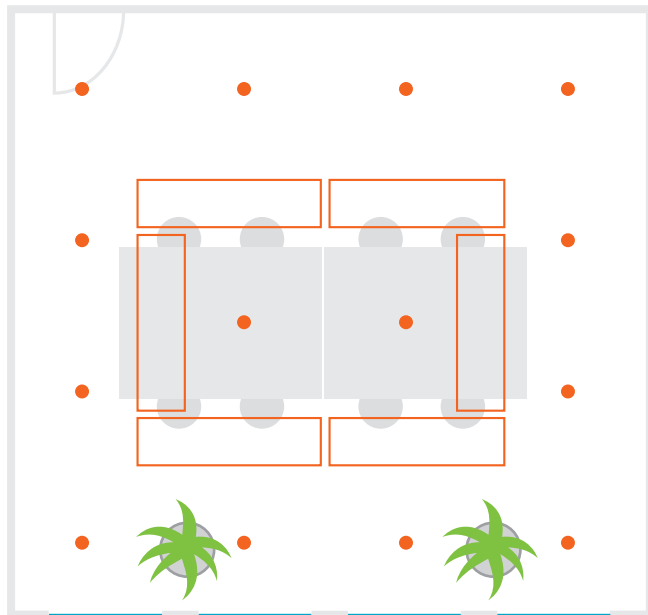
Two additional push-buttons each recall a particular scene:

1. Scene "Conference": The room is lit homogeneously. The walls are brightened up by wallwashers.
2. Scene "Presentation": The light level in the room is reduced. The walls are slightly brightened up by wallwashers. The wallwashers at the presentation wall are switched off.

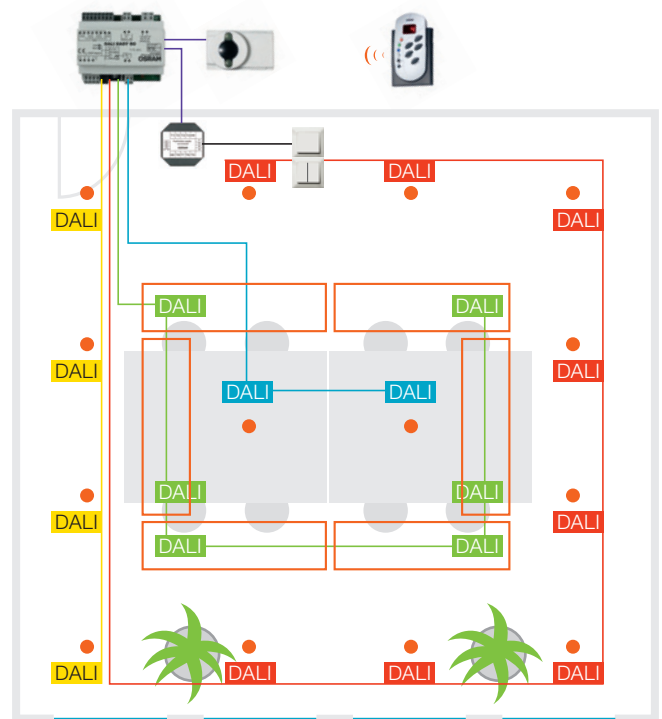
2.2 Functional description

The DALI EASY SO control device is integrated into the electrical cabinet as a compact DIN-rail-mounted device and controls 4 DALI circuits. These 4 DALI circuits are wired separately from the control output right to the last luminaire. The lighting control is operated via 3 push-buttons; a single push-button for on/off/dimming and a double push-button for the scenes "Conference" and "Presentation". The push-buttons are connected to the control system with PB couplers (behind the push-button in the junction box).

The scenes can be set via a remote control. After set-up, the scenes can also be easily adjusted at any time via the remote control. The remote control is not necessary for the regular use of the conference room.

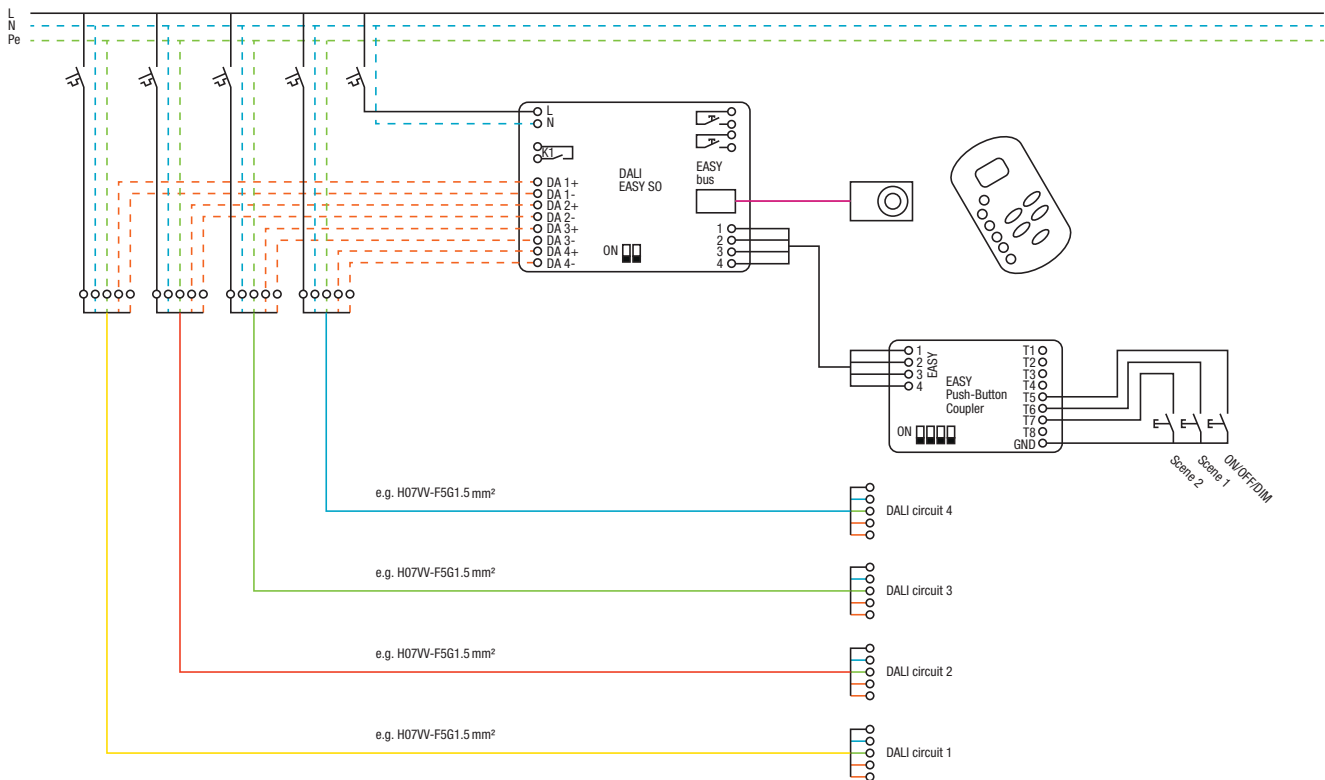


Conference room



Conference room with control components

2.3 Wiring diagram



2.4 Commissioning

1. Connect the four luminaire circuits to the control device (DALI EASY SO)
 - It is allowed to use the same cable for DALI and mains wiring
 - Check the DIP switch on the DALI EASY SO



2. Set the operating mode on the push-button coupler via DIP switch



3. Connect the push-button coupler to the control device via the EASY bus line
4. Connect the infrared receiver to the control device
5. Connect the mains to the control device
6. Set the scenes with the remote control
 - Button Ch1 = Circuit 1; Ch2 = Circuit 2 etc.
 - Short press = On/off
 - Long press = Dimming
7. Store the scene by a long press of the scene button

The system is ready for operation.

2.5 Applied control components

Amount	Short text	EAN	Description
1 piece	DALI EASY SO	4008321691040	Lighting control
1 piece	EASY PB Coupler	4008321915597	Push-button coupler
1 piece	EASY IR	4008321053138	Infrared receiver
1 piece	EASY RMC	4008321053152	Commissioning remote control

2.6 Additional notes

No commissioning of the DALI devices required. The direct wiring of the DALI circuits replaces the addressing of the luminaires. Up to 32 DALI control gears/drivers can be connected to a single control device. Additional input for scene recall. Unintentional storage of scenes after commissioning is prevented by adjusting the DIP switch of the PB Coupler. A variety of additional user interfaces is available.

For an overview of the features of the individual components, see chapter 8 “Components”. Further information can be found at www.osram.com/easy.

3 Application: Colored counter illumination (OT EASY 80)

3.1 Requirements

The open and generously proportioned reception area is accentuated by colored cove lighting on the ceiling and around the counter. Both areas are always lit simultaneously. During the day, the color changes from cyan to violet at intervals of 10 minutes. The color change is carried out steplessly. Due to the slow and smooth transition, the customers do not notice the change.

Outside business hours, a static scene with violet cove lighting is recalled.

If required, the personnel at the reception can always stop, continue and also adjust the color change.

3.2 Functional description

For the cove lighting, RGB LED strips are used. These are controlled by compact control devices with integrated power supply and 4-channel dimmer. The control devices are placed close to the LED strips to avoid EMI problems when dimming. The individual control devices (OT EASY 80) are synchronized via a bus line.

The system is operated via a radio remote control with integrated jog wheel. The receiver is connected to the control device via the EASY bus line.

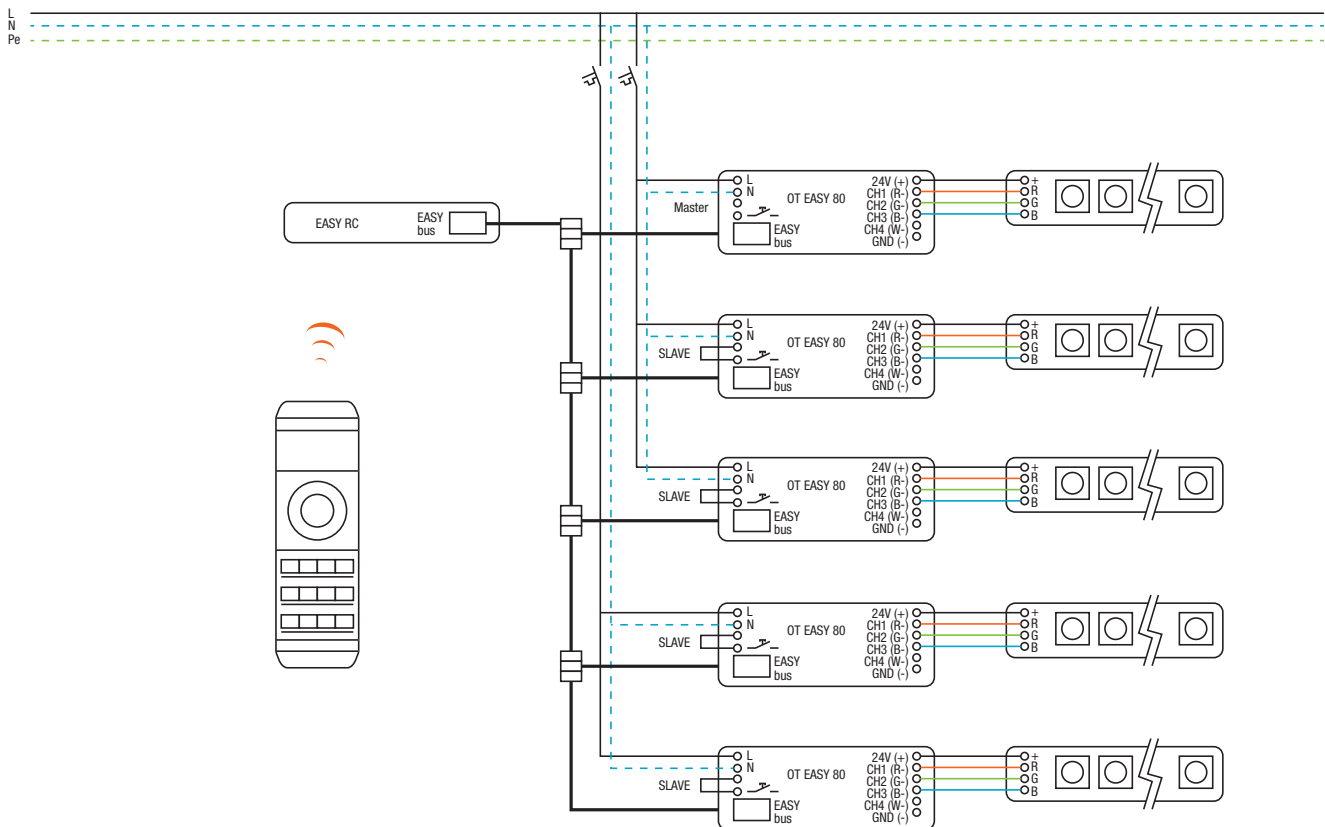
The individual colors and the brightness of the proceeding sequence are set and stored with the jog wheel of the remote control. The dynamic sequence is started or stopped by pressing a button.

With the docking station, the remote control can also be fixed and operated as a wall control unit.



Reception area with control components

3.3 Wiring diagram



3.4 Commissioning

1. Connect the RGB LED strips to the control devices
2. Connect the control devices
 - Connect the control devices to each other via the EASY bus line with 4p4c cables and Y-connectors
 - Set the master-slave operation. Bridge the push-button input on all slaves. When connecting multiple OT EASY 80 control devices, make sure that there is only one master in the system.
 - Connect the mains to the OT EASY 80 control devices
3. Connect the RF receiver to the EASY bus line
4. Switch on the mains
5. Teach in the remote control with the receiver by pressing the sync push-buttons on both devices
6. Set the desired color and brightness with the jog wheel
7. Store a scene for the sequence by a long press of the scene button (repeat step 6 and 7 until all scenes are set)
8. Adjust the time multiplier for the sequence in the remote control menu

The system is ready for operation.

3.5 Applied control components

Amount	Short text	EAN	Description
5 pieces	LF05CA-RGB3-P	4008321977205	RGB strip 4 m; 72 W
5 pieces	OPTOTRONIC OT EASY 80	4008321808363	Control device + 24-V supply
5 pieces	Y-CONNECTOR	4050300803135	Connector for EASY bus line incl. 2 x 2 m connection cable
1 piece	EASY Hybrid Remote	4008321421739	Radio remote control
1 piece	EASY RC	4008321421753	Radio receiver

3.6 Additional notes

Up to 16 control devices can be combined, up to 64 with system coupler. With the optionally available EASY PC KIT, the scenes of all 4 sequences can be adjusted individually. This, for example, allows for the simultaneous setting of two different color changes of the cove lighting in the ceiling and counter areas. The cross-fade and hold times between the individual scenes can also be adjusted to the second. A variety of additional user interfaces is available.

For an overview of the features of the individual components, see chapter 8 “Components”. Further information can be found at www.osram.com/easy.

4 Application: Showroom with Tunable White light ceiling (OT EASY 80)

4.1 Requirements

In order to highlight the prestigious character of the exhibits, a 4-part illuminated ceiling with changing light colors is installed. The light colors are adjusted according to the colors of the exhibits.

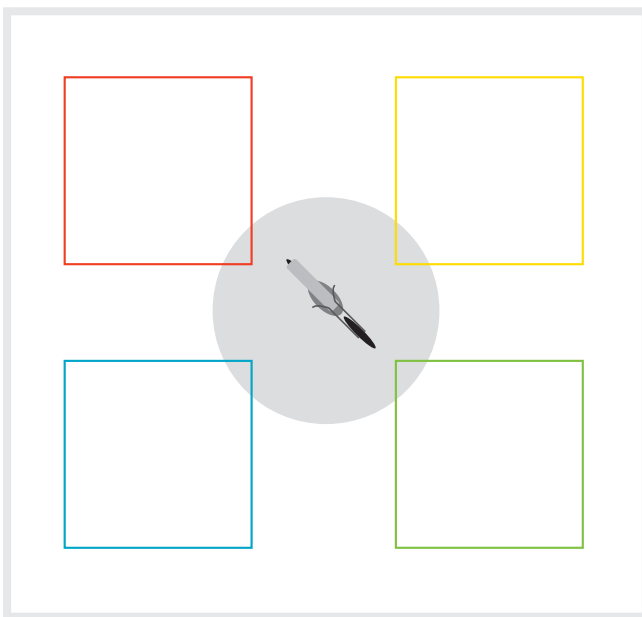
The light color varies from warm white (3 000 K) to cold white (6 500 K).

For special occasions, the lighting should switch from one color temperature to the other in intervals of 5 minutes. However, the salesperson has to be able to adjust the light color manually at all times.

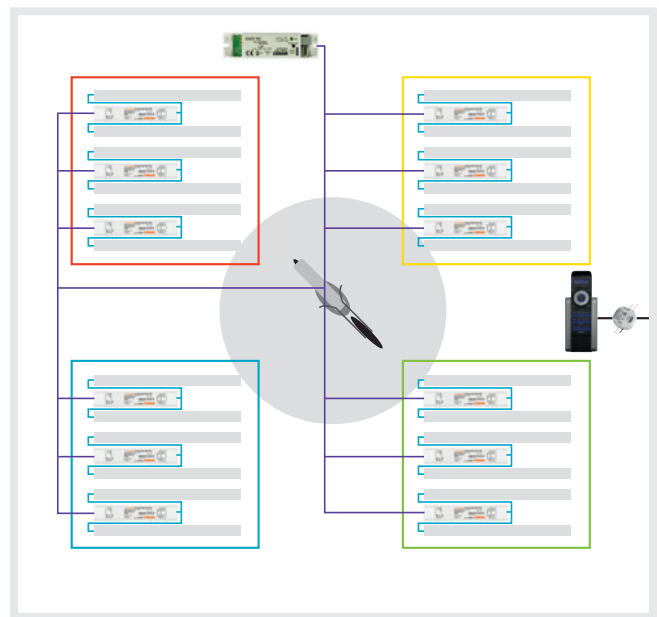
4.2 Functional description

The entire light ceiling is backlit by DRAGONchain Tunable White LED modules. Each two module chains are supplied by a single OT EASY 80 control device. The individual control devices are synchronized via an EASY bus system. An EASY RC radio receiver is connected to the EASY bus system.

All four light ceiling parts are controlled with a single wall control unit. With this user interface, the color and the brightness can be adjusted. Single scenes or sequences can be recalled at the push of a button. Optionally, all scenes and sequences can also be adjusted with the EASY PC KIT.



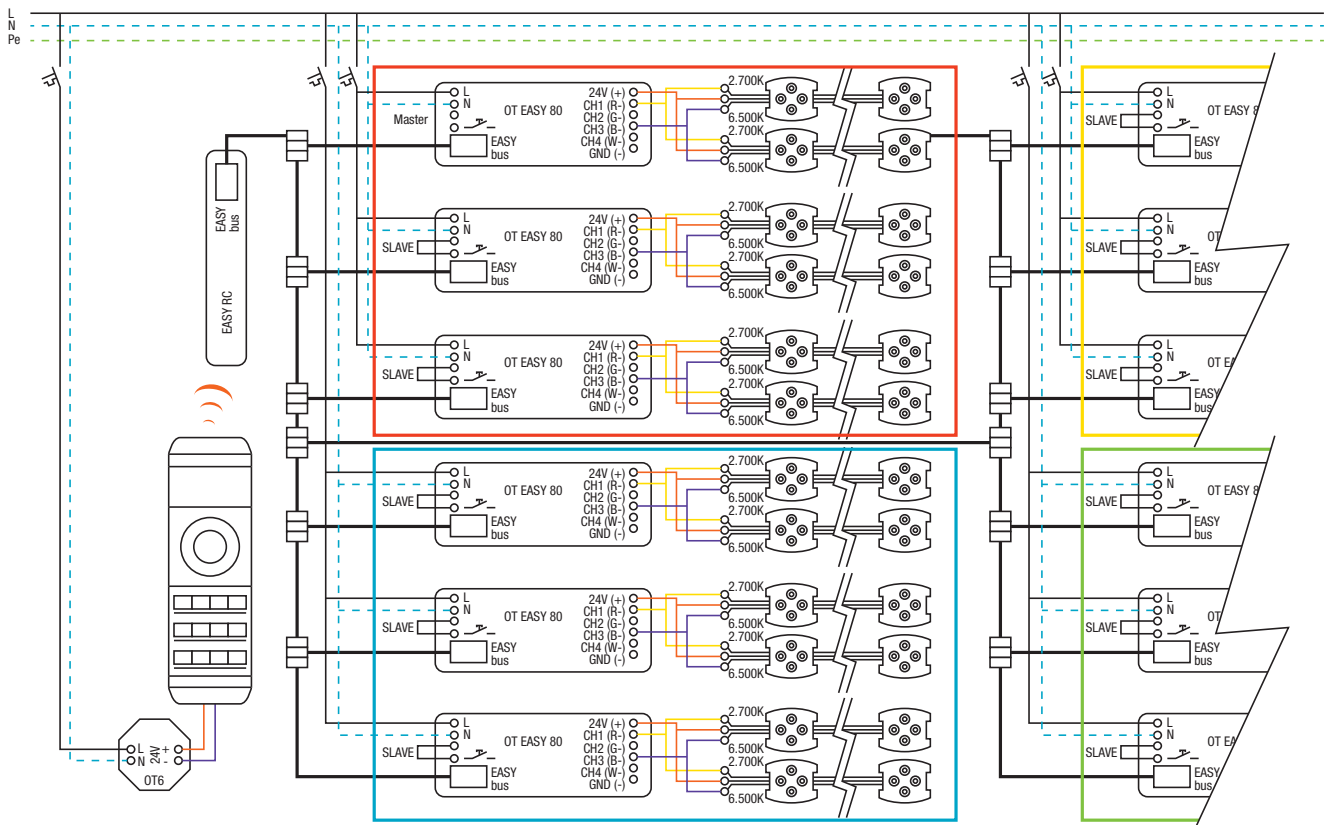
Showroom



Showroom with control components



4.3 Wiring diagram



4.4 Commissioning

1. Connect the Tunable White LED modules to the OT EASY 80 control devices
 - For Tunable White, only channel 1 (warm white) and channel 3 are required
2. Connect the control devices
 - Connect the control devices to each other via the EASY bus line with 4p4c cables and Y-connectors
 - Set the master-slave operation. Bridge the push-button input on all slaves. When connecting multiple OT EASY 80 control devices, make sure that there is only one master in the system.
 - Connect the mains to the OT EASY 80 control devices
3. Connect the RF receiver to the EASY bus line
4. Check the DIP switches of the EASY Hybrid Remote
5. Establish a connection between wall control unit and radio receiver by pressing the sync push-buttons on both devices
6. Connect the power supply of the docking station of the EASY Hybrid Remote
7. Fasten the remote control by screwing it to the docking station
8. Switch on the mains
9. Switch to the operating mode "Tunable White" in the settings of the EASY Color Drive (see configuration instructions)
10. Adjust the time multiplier for the sequence in the settings of the EASY Color Drive

The system is ready for operation.

Color and brightness can be adjusted with the jog wheel at all times.

4.5 Applied control components

Amount	Short text	EAN	Description
24 pieces	DC24B-TW	4008321709233	Tunable White LED module
12 pieces	OPTOTRONIC OT EASY 80	4008321808363	Control device + 24-V supply
12 pieces	Y-CONNECTOR	4050300803135	Connector for EASY bus line
1 piece	EASY RC	4008321421753	Radio receiver
1 piece	EASY Hybrid Remote	4008321421739	Radio remote control with docking station
1 piece	OT 6/200...240/24 CE	4008321113269	24-V power supply

4.6 Additional notes

Depending on the wattage, up to 3 chains can be operated simultaneously with a single control device. The number of LED modules and control devices varies depending on the size of the light-emitting surface, the homogeneity of the luminance, the transmission characteristics of the light-transmitting layer as well as the required light level. A variety of additional user interfaces is available. With the optional EASY PC KIT, the dimming curve of the control device can be switched from logarithmic to linear in order to keep the light level constant when changing the color temperature.

For an overview of the features of the individual components, see chapter 8 "Components". Further information can be found at www.osram.com/easy.

5 Application: Recreation room with biological light effect – Tunable White (DALI EASY SO)

5.1 Requirements

The recreation room is used both by day and night. The color temperature of the lighting changes according to the time of day and contributes to a pleasant atmosphere of the room.

Similar to the color temperature of natural light, the lighting, which is arranged as a frame, illuminates the room with a very warm light color (3000K) in the morning, changes to a cool light color (6500K) during the day and returns to a warm light color (3000K) in the evening.

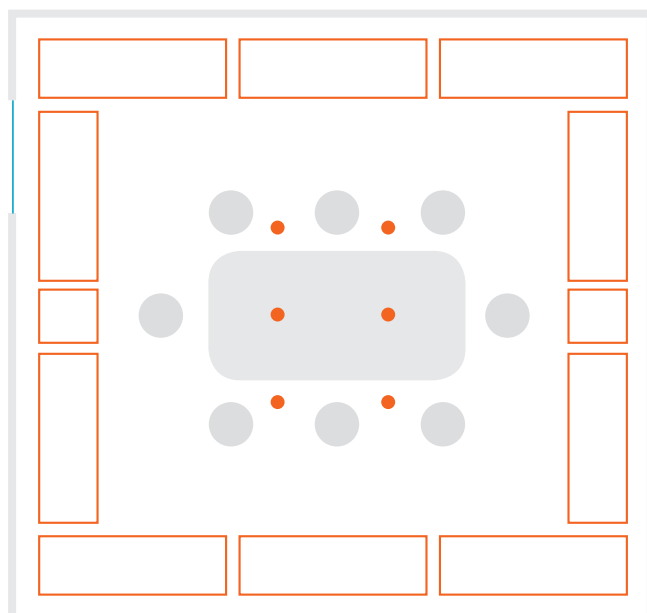
The change of the light color is carried out steplessly and is so slow that it cannot be perceived by the user. During the night, the light level is reduced. The room is also occasionally used for small parties.

Via push-buttons, the following scenes are recalled:

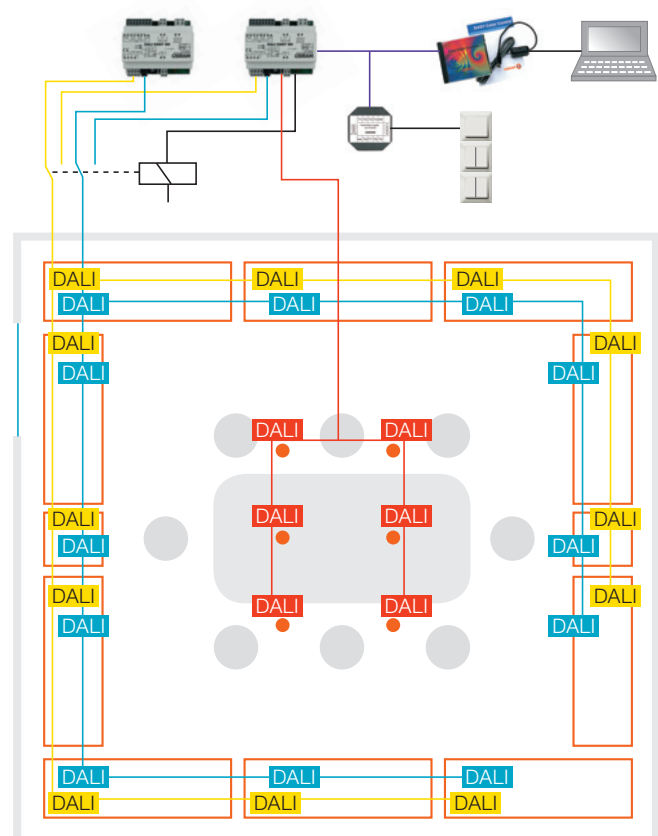
1. **Automatic** (daylight-dependent automatic change of the light color)
2. **Cleaning** (all luminaires are lit 100%)
3. **Off** (all luminaires are off)
4. **Party** (downlights are lit 100%; strip lighting is only lit with 30% warm white light)
5. **Discussion** (strip lighting is only lit with 80% cold white light)



Recreation room



Recreation room



Recreation room with control components

5.2 Functional description

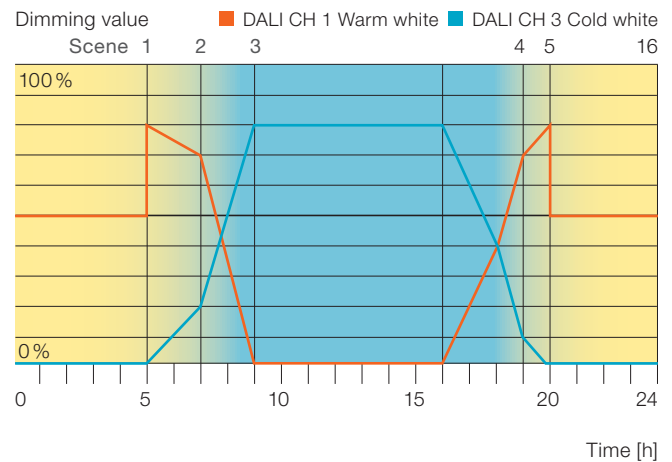
The lighting control is integrated into the electrical cabinet and is divided into the following parts:

1. Automatic operation (light color change according to the time of day)

The timer is connected to the DALI EASY SO control device via a coupler and starts the daylight simulation with the Tunable White luminaires every day at 5 am. At 8 pm, this sequence is stopped automatically and a night scene with reduced light level is recalled. The sequence is set with an easy-to-use software. The hold and cross-fade times between the individual scenes can be freely defined. Connection to the control devices is established with the EASY PC KIT.

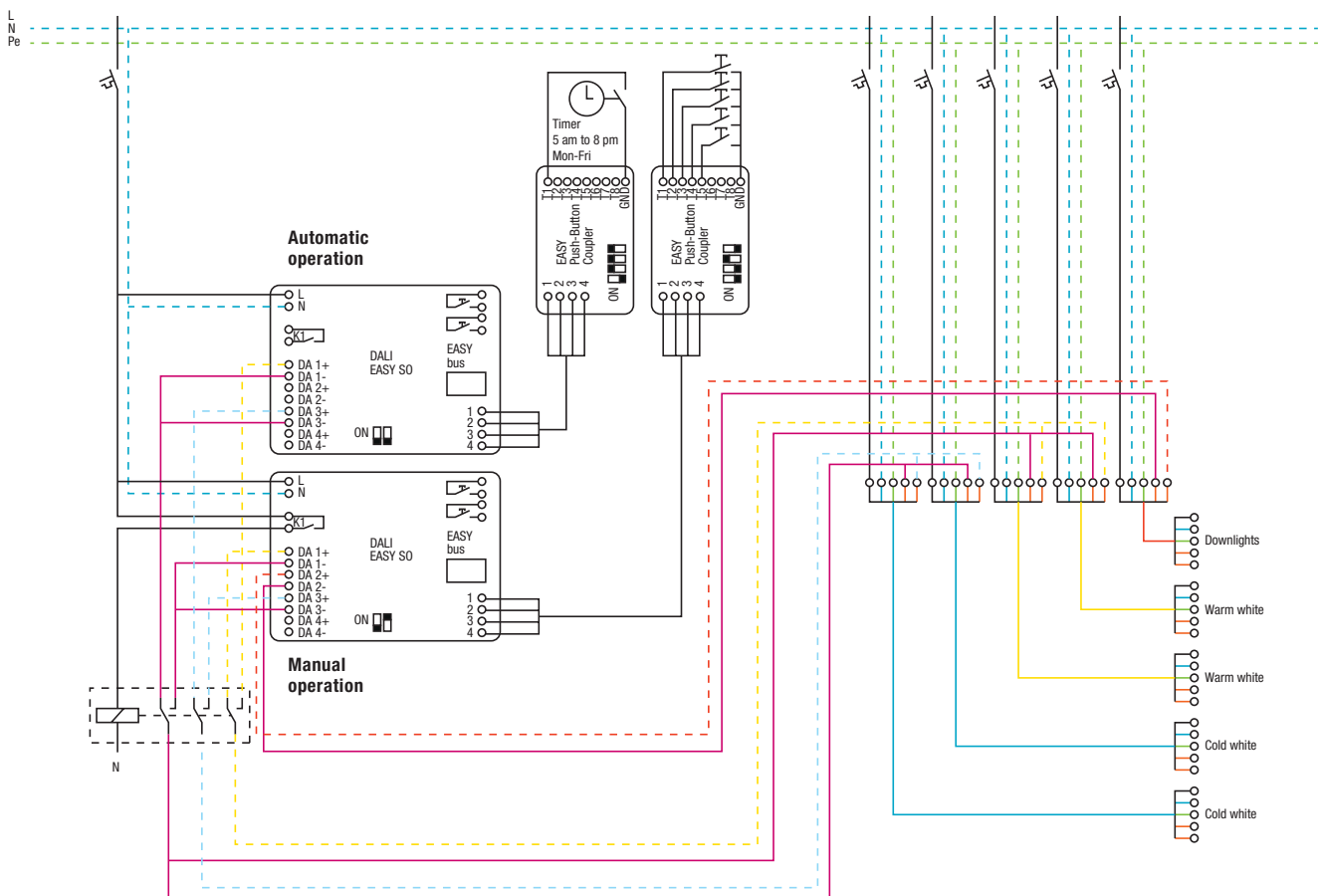
2. Manual operation (scene recall)

A second control device stores the preset scenes. These are recalled with regular push-buttons via a coupler. With a conventional relay with 3 dry contacts, the control device switches the DALI channels back and forth between the two EASY control devices. During manual operation, the time-controlled automatic operation runs in the background so that the currently suitable light color can be recalled at all times by pressing the automatic button.



Automatic operation: Dimming behavior of the Tunable White luminaires according to the time of day

5.3 Wiring diagram



5.4 Commissioning

1. Connect both DALI EASY SO control devices
2. Set the DIP switches on both DALI EASY SO control devices

Automatic operation 

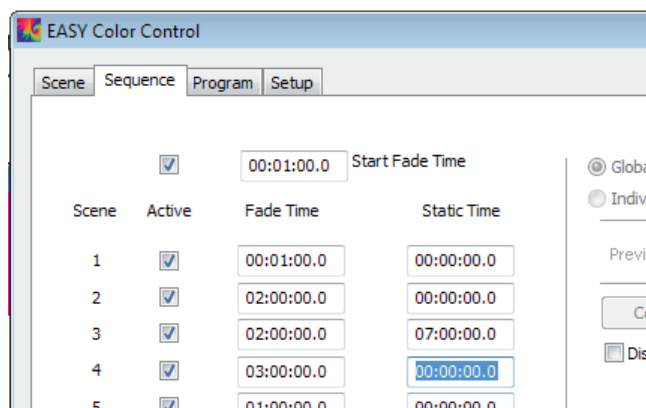
Manual operation 

3. Connect both push-button couplers
4. Set the DIP switches on the push-button couplers

Automatic operation 

Manual operation 

5. Connect the timer to the push-button coupler
6. Set the timer Mon-Fri 5 am to 8 pm
7. Connect the push-buttons to the push-button coupler
8. Connect the DALI lines to the switching relay with dry contacts
9. Connect the luminaire circuits
10. Connect the mains
11. Connect the EASY PC KIT to the control device for the automatic operation
12. Open the software
 - Set the operating mode “Tunable White”
 - Activate and set the hold and cross-fade times for the sequence that is based on the time of day in “Sequence A”



- Set the dimming values for the 6 scenes
 - Close the software
13. Connect the EASY PC KIT to the control device for the manual operation

14. Open the software
 - Set the operating mode “4-channel white”
 - Set the dimming values for the 5 scenes

Note:

The relay will be controlled in parallel to channel 4

- Close the software

The system is ready for operation.

5.5 Applied control components

Amount	Short text	EAN	Description
2 pieces	DALI EASY SO	4008321691040	Lighting control
2 pieces	EASY PB Coupler	4008321915597	Push-button coupler
1 piece	SWITCHING RELAY	with 3 dry contacts	
1 piece	Timer		
12 pieces	Tunable White luminaires with 2 separate DALI inputs (warm white 3000K and cold white 6500K)		
6 pieces	Downlight with DALI ECG		

5.6 Additional notes

With a DALI REPEATER SO, a single DALI channel can be expanded by 64 devices (scalable).

The sequence that is based on the time of day (automatic operation) as well as the manual operation can be freely adjusted according to the requirements of the planner. Scene storage can be deactivated after commissioning by the DIP switch on the DALI EASY SO to prevent unintentional overwriting.

For an overview of the features of the individual components, see chapter 8 “Components”. Further information can be found at www.osram.com/easy.

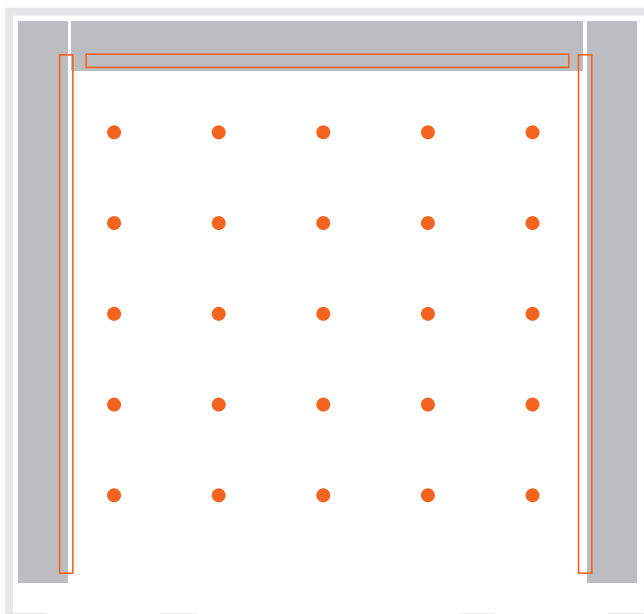
6 Application: Shop lighting and RGB cove lighting (DALI EASY SO + OT EASY 80)

6.1 Requirements

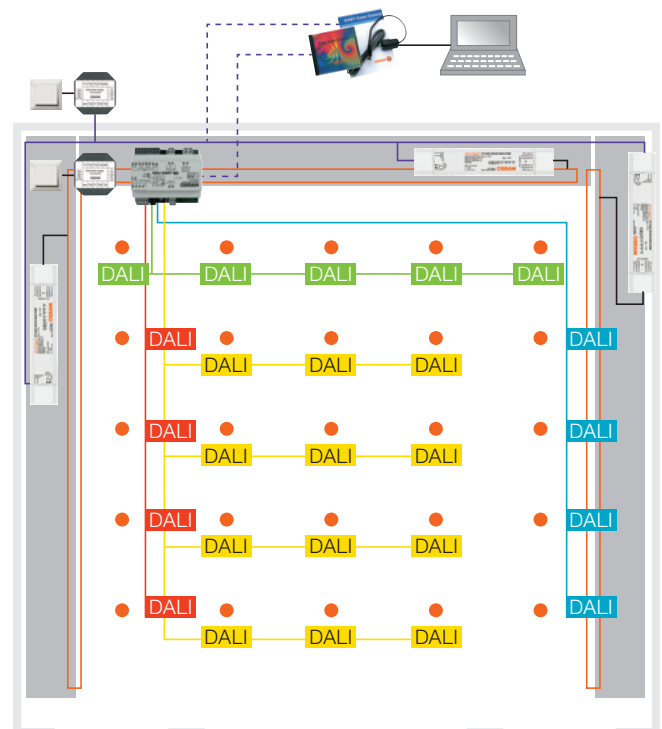
The salesroom is equipped with a new lighting system. Recessed spotlights in the ceiling illuminate the shelves as well as the sales area. The surfaces of the shelves are illuminated with different brightness levels to create zones and highlight a particular area. In addition, a cove lighting system above the shelves adapts the room to the corporate design of the operator with a dynamic color changing sequence. The personnel switches the light on in the morning and off in the evening. It should not be able to change the specified light concept (no dimming or switch-off of individual areas). The cove lighting is switched separately as it is sometimes operated continuously during the night or over the weekend.



Salesroom



Salesroom



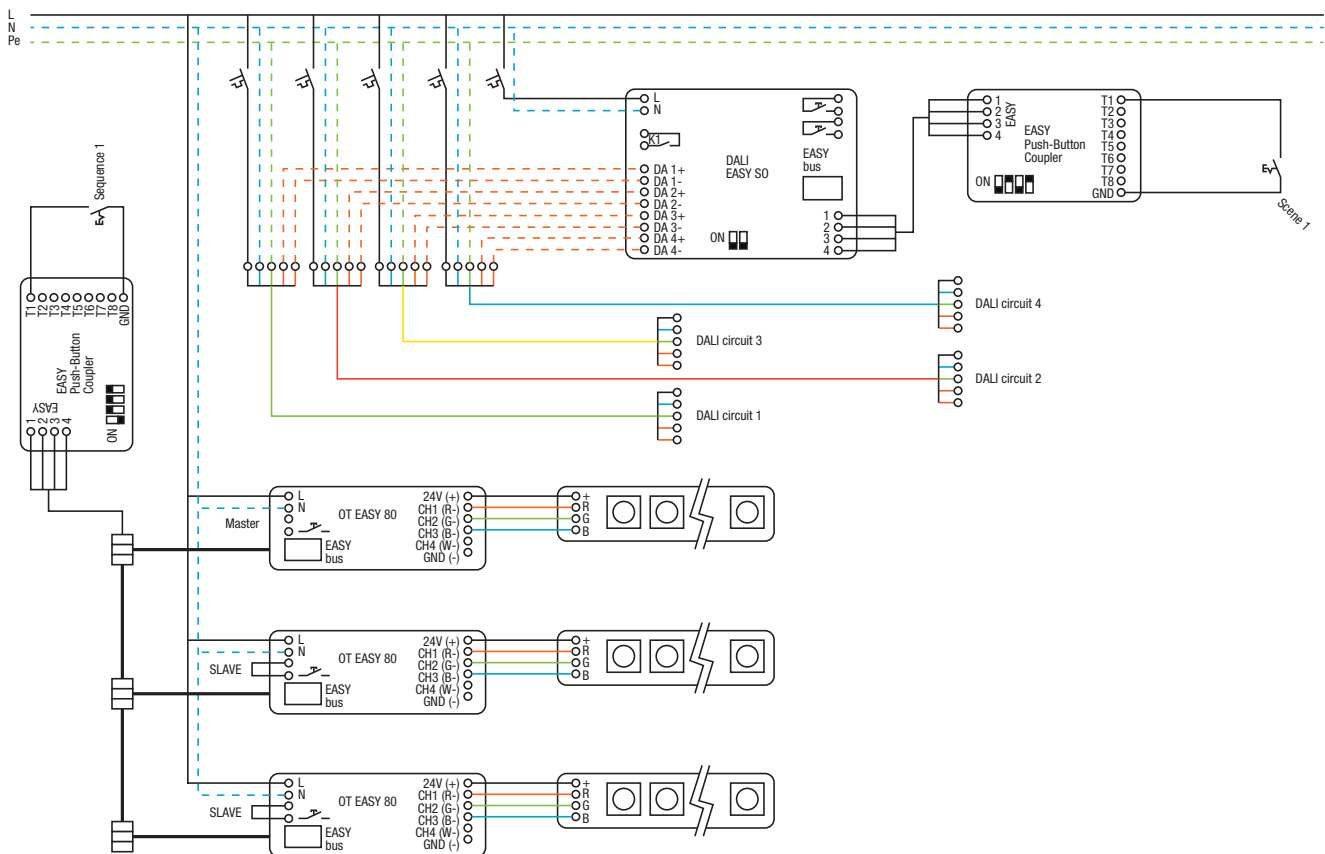
Salesroom with control components

6.2 Functional description

The lighting control is divided into two parts: one part as general and object lighting system with static light scenes and one part as cove lighting system with a dynamic sequence. The control of the general and object lighting system is integrated into the electrical cabinet as a DIN-rail-mounted device and controls four DALI circuits. These four DALI circuits are wired separately from the control output right to the last luminaire. The lighting control is operated with a push-button. In closed state, the scene "Shop lighting" is recalled, in open state, all luminaires are switched off. The push-button is connected to the control system via a push-button coupler (behind the push-button in the

junction box). The light scene for shop lighting is set with the PC software of the EASY PC KIT. After set-up, an adjustment of the scene is possible at all times with the EASY PC KIT. The cove lighting system is supplied by compact control devices with integrated power supply and 4-channel dimmer. The control devices are placed close to the LED strips (to avoid long secondary cables and related EMI). The individual control devices are connected to each other via the EASY bus line. The sequence is set with the EASY PC KIT and the corresponding PC software. After set-up, the sequence can be adjusted at all times with the EASY PC KIT.

6.3 Wiring diagram



6.4 Commissioning

Part 1: General and object lighting

1. Connect the luminaire circuits to the DALI EASY SO control device
 - It is allowed to use the same cable for DALI and mains wiring
2. Set the operating mode on the push-button coupler via DIP switch

ON 
3. Set the DIP switch on the DALI EASY SO control device

ON 
4. Connect the push-button coupler to the push-buttons and the control device
5. Connect the mains to the control device
6. Connect the EASY PC KIT to the control device
7. Set the scenes with the software
 - In the set-up, switch to “4-channel white”
 - Set the brightness of the individual DALI channels by scroll bar in scene 1
8. Disconnect the EASY PC KIT

Part 2: Cove lighting

1. Connect the LED cove lights to the OT EASY 80 control devices
2. Synchronize the control devices
 - Connect the EASY control line with plug connectors and Y-connectors
 - Bridge the push-button input on all slaves
3. Set the operating mode on the push-button coupler via DIP switch

ON 
4. Connect the push-button coupler to the push-buttons and the control device
5. Switch on the mains
6. Connect the EASY PC KIT to the control devices
7. Set the sequence with the software
 - In the set-up, switch to RGB operation
 - Set the color and brightness of each individual scene
 - Set the hold and cross-fade times between the individual scenes
8. Disconnect the EASY PC KIT

The system is ready for operation.

6.5 Applied control components

Amount	Short text	EAN	Description
1 piece	DALI EASY SO	4008321691040	Lighting control
2 pieces	EASY PB Coupler	4008321915597	Push-button coupler
3 pieces	OPTOTRONIC OT EASY 80	4008321808363	Control device + 24-V supply + 4-CH dimmer
3 pieces	Y-CONNECTOR	4050300803135	Connector for EASY bus line
1 piece	EASY PC KIT	4008321915559	Adapter for the PC software

6.6 Additional notes

No commissioning of the DALI devices required. Addressing is replaced by the wiring of the DALI circuits. Up to 32 DALI control gears/drivers can be connected to a single control device. If more than four DALI circuits are required, additional control devices can be connected and set individually in the scenes. Additional input for scene recall. A variety of additional user interfaces is available.

For an overview of the features of the individual components, see chapter 8 “Components”. Further information can be found at www.osram.com/easy.

7 Application: Colored facade lighting (EASY DMX 16x4 SO)

7.1 Requirements

In the evening, the building is highlighted consciously with provocative colors to reflect the creativity and innovative spirit of the tenant.

At dusk, a sequence is started and the facade is illuminated with different colors, dividing it into several segments. The colors change every 15 minutes. Cross fading is carried out steplessly. Thanks to the slow transition, neither traffic nor pedestrians are irritated.

The facade lighting is switched off at 1 am. All luminaires are controlled via DMX.

7.2 Functional description

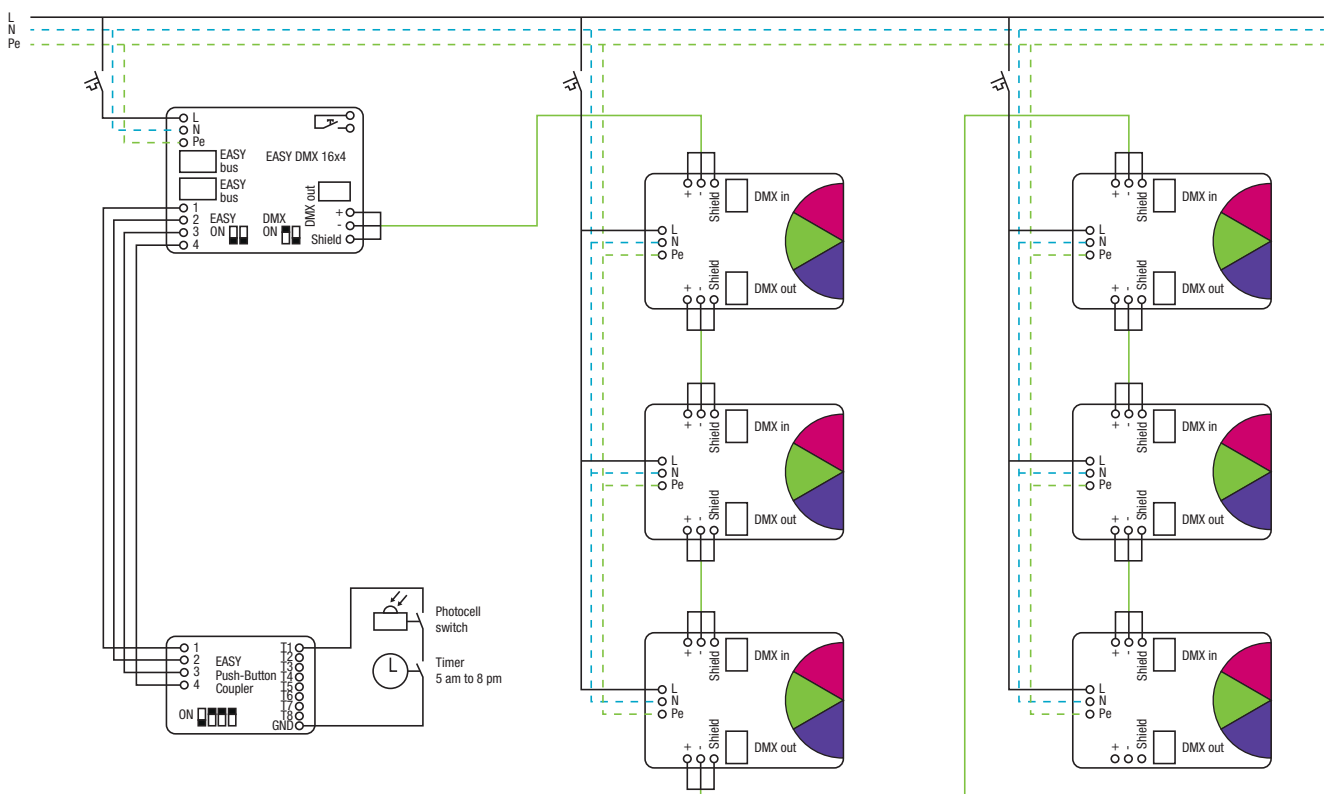
The lighting control is integrated into the electrical cabinet as a DIN-rail-mounted device and controls up to 16 different DMX light points (in case of larger systems, multiple control devices are simply connected to each other and synchronized).

The color and brightness of each single light point are set by the simple and intuitive software. To generate the sequence, the hold and cross-fade times can be set separately for each scene.

A conventional photocell switch and a timer automatically start and stop the sequence. These are connected to the control device via a push-button coupler.

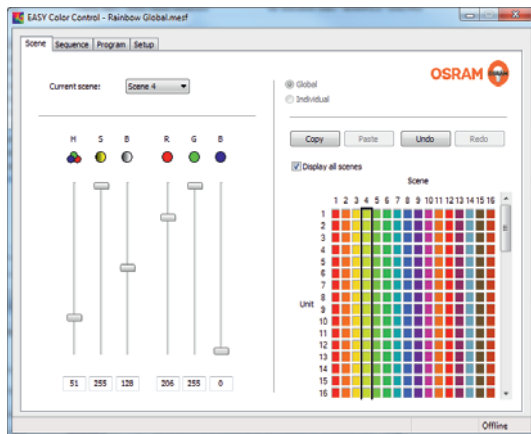


7.3 Wiring diagram

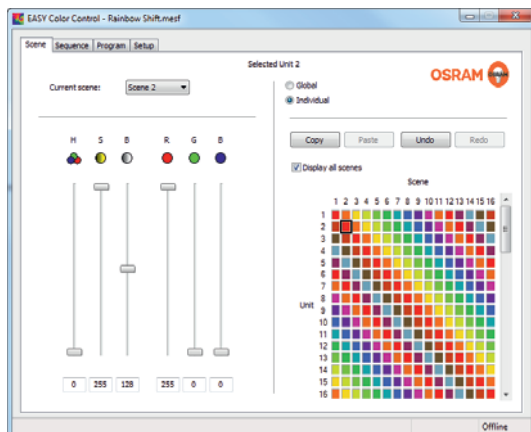


7.4 Commissioning

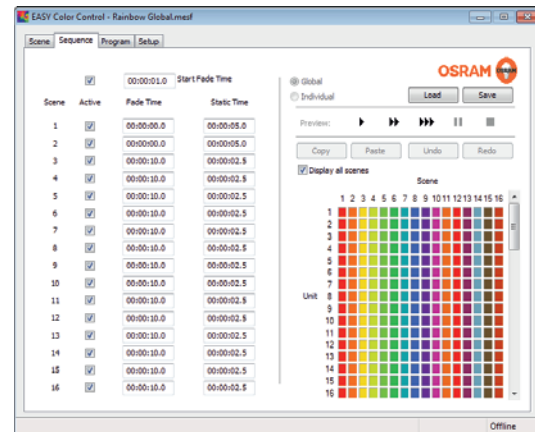
- Connect the luminaires to the EASY DMX 16x4 SO control device
 - Set the DMX addresses (automatically or manually via DIP switch etc. depending on luminaire)
 - Connect the DMX luminaires according to DMX standard
 - Connect the DMX cables to the control device
 - Connect the mains to the luminaires
- Connect the push-button coupler to the control device
 - The control device has several EASY inputs. The push-button coupler can be directly connected via the EASY terminals.
 - Set the operating mode of the push-button coupler via DIP switch (see wiring diagram) **ON** 
- Connect the mains to the control device
- Set the sequence via the EASY PC KIT
 - Connect the laptop with the EASY PC KIT via USB to the EASY interface of the control device (dedicated port on the front of the device)
 - Start the software and read in the DMX luminaires (the DMX luminaires are addressed)
 - Set the colors per scene for all devices at once



- Or, as an alternative, for each individual device in order to create a wave-like color flow over the facade



- Set the hold and cross-fade times between the individual scenes



- Each scene can be activated/deactivated
 - For each scene, different hold and cross-fade times can be set (up to 24 h)
- Disconnect the EASY PC KIT

The system is ready for operation and the sequence will be activated via photocell switch and timer.

7.5 Applied control components

Amount	Short text	EAN	Description
1 piece	EASY DMX 16x4 SO	4008321441522	Lighting control
1 piece	EASY PB Coupler	4008321915597	Push-button coupler
1 piece	EASY PC KIT	4008321915559	EASY USB adapter
1 piece	Photocell switch with dry contact		
1 piece	Timer with dry contact		
8 pieces	DMX-controlled outdoor luminaires		

7.6 Additional notes

Several DMX devices can have the same address and are displayed as one light point. With a single control device, up to 16 different light points can be controlled. Up to 4 EASY DMX 16x4 SO control devices can be combined (64 light points). For the connection of multiple control devices, EASY system couplers are required. Optionally, additional user interfaces can be connected, e.g. to recall an alternative sequence during events.

For an overview of the features of the individual components, see chapter 8 "Components". Further information can be found at www.osram.com/easy.

8 Components at a glance

8.1 Control devices

OT EASY 80



4-channel PWM dimmer with integrated 24-V power supply 80W and control device in one device

- Suitable for 24-V constant-voltage LED modules
- The following operating modes can be selected:
 - RGB or RGB-W
 - Tunable White
 - Individual control of the channels
- A total of 80W can be connected, distributed asymmetrically or symmetrically over the individual channels
- Up to 64 devices can be synchronized to control high wattages (LED wattage of up to 5kW)
- Including integrated cable clamp
- Extremely easy and quick commissioning (ready out of the box: sequence starts automatically when the device is connected to the mains)
- Dimensions: L x W x H: 245 x 47 x 44 mm

Brand: OSRAM
Type: OT EASY 80
EAN: 4008321808363

DALI EASY III



Control device with 4 DALI broadcast channels for light ceiling/luminaire integration

- 4 separately controllable DALI channels
- No DALI commissioning/addressing required, addressing is carried out via wiring
- Up to 32 DALI ECGs can be connected, distributed asymmetrically or symmetrically over the individual channels
- Total length of DALI line of up to 300m across all channels
- Up to 64 devices can be synchronized (theoretically, up to 2000 DALI ECGs)
- Extremely easy and quick commissioning (ready out of the box: sequence starts automatically when the device is connected to the mains)
- Optional cable clamp available (LMS CI box)
- Dimensions: L x W x H: 189 x 30 x 21 mm

Brand: OSRAM
Type: DALI EASY III
EAN: 4008321053046

DALI EASY SO



Control device with 4 DALI broadcast channels for electrical cabinet integration

Same as DALI EASY III including the following additional functions:

- Designed as DIN-rail-mounted device
- Controllable output relay (3A)
- 2 inputs for dry contacts
 - On/off/dimming of all channels
 - Input for timer for recall of scenes/sequences
- Dimensions: L x W x H: 96 x 108 x 62 mm

Brand: OSRAM
Type: DALI EASY SO
EAN: 4008321691040

EASY DMX 16x4 SO



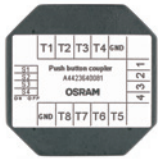
Control device for up to 16 individual DMX light points

- DMX control device with one output according to DMX512-A standard
- Up to 32 DMX devices can be connected to a single control device
- Up to 16 DMX light points can be connected (one light point consists of 1–4 addresses)
- Several DMX devices can be combined to one light point (same addresses)
- 4 EASY DMX can be connected to each other and up to 64 different DMX light points can be controlled
- The setting of the individual channels is carried out with the EASY PC KIT and the corresponding easy-to-use software
- Dimensions: L x W x H: 96 x 102 x 62 mm

Brand: OSRAM
Type: EASY DMX 16x4 SO
EAN: 4008321441522

8.2 User interfaces

EASY PB Coupler



Push-button coupler with 8 inputs and 6 different operating modes

- For switching and dimming, central or single channels; recall and storage of lighting scenes; start and stop of sequences
- Operating mode can be adjusted via DIP switch (no addressing of the coupler required)
- Suitable for integration into a junction box
- Can be combined with all standard switching programs
- Dimensions: L x W x H: 245 x 47 x 44 mm

Brand: OSRAM
Type: EASY PB Coupler
EAN: 4008321915597

EASY RMC



Infrared remote control for single-channel and scene control

- Individual switching or dimming of channel 1 to 4
- Up to 4 scenes can be stored and recalled
- One sequence can be recalled
- Speed and colors of the sequence can be adjusted
- Including docking station for wall mounting
- Dimensions: L x W x H: 120 x 57 x 26 mm

Brand: OSRAM
Type: EASY RMC
EAN: 4008321053152

EASY Hybrid Remote



Radio or infrared remote control with docking station

- Suitable for various operating modes:
 - RGB
 - Tunable White
 - RGB-W
 - 4-channel white
- High-quality jog wheel with ball bearing for the stepless adjustment of brightness or color
- Central on/off button
- Easy to use
- Up to 8 lighting scenes or channels can be controlled individually
- Including docking station for wall mounting by screwing
- Adjustment of sequence speed
- 4 different sequences can be recalled
- Dimensions: L x W x H: 187 x 57 x 23 mm

Brand: OSRAM
Type: EASY Hybrid Remote
EAN: 4008321421739

8.3 Accessories

EASY IR CI



Infrared receiver for ceiling integration

- Receiver for EASY RMC or EASY Hybrid Remote user interfaces
- Small diameter of $d = 50$ mm
- Direct connection to EASY control devices
- Including additional connection cable 2.1 m and 2 x 4p4c socket and 4-pole terminal
- Housing for surface mounting optionally available (SENSOR KIT)
- Dimensions: D x H: 50 x 21 mm

Brand: OSRAM
Type: EASY IR CI
EAN: 4008321915573

EASY IR



Infrared receiver for device integration

- Receiver for EASY RMC or EASY Hybrid Remote user interfaces
- Suitable for luminaire integration
- With connected cable 2.1 m and 4p4c connector
- Direct connection to EASY control devices
- Dimensions: L x W x H: 30 x 21 x 12 mm

Brand: OSRAM
Type: EASY IR
EAN: 4008321053138

EASY RC



Radio receiver

- Teach-in of up to 8 remote controls
- Receiver for EASY Color Drive or EASY Hybrid Remote user interfaces
- Direct connection to EASY control devices via 4p4c plug connector or 4-pole screw terminal
- Including connection cable 2.1 m
- Cable clamp optionally available (ECO CI KIT)
- Dimensions: L x W x H: 118 x 30 x 21 mm

Brand: OSRAM
Type: EASY RC
EAN: 4008321320902

Connection cable

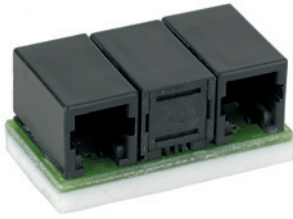


Connection cable with 4p4c connectors for EASY bus line

- Cable for easy plug connection of multiple components
- Suitable for all devices with 4p4c connector system (EASY bus line)
- Cable length: 200 cm (pack of 50 pieces)
- Optionally available in the length of 25, 50, 100 and 200 cm

Brand: OSRAM
Type: Connection cable
EAN: 4008321660190

Y-CONNECTOR



Branching for EASY bus system

- 3-pole 4p4c socket, internal connection
- Including 2 connection cables with 2.1 m each
- Mounting with adhesive pad on bottom
- Dimensions: L x W x H: 34 x 18 x 16 mm

Brand: OSRAM
Type: Y-CONNECTOR
EAN: 4050300803135

Y-CONNECTOR SCREW



Branching for EASY bus system

- 2-pole 4p4c socket including 2 x 4-pole terminal with corresponding internal connection
- Connection of 4-wire cables with the EASY connector system
- Including 2 connection cables with 2.1 m each
- Mounting with adhesive pad on bottom
- Dimensions: L x W x H: 40 x 20 x 16 mm

Brand: OSRAM
Type: Y-CONNECTOR SCREW
EAN: 4008321916686

EASY SYS CP



System coupler for EASY bus system

- Required for a group of up to 16 EASY devices (or one EASY DMX)
- Increases the EASY system cable length by 100 m (to a total maximum of 400 m)
- Including connection cable 2.1 m
- Dimensions: L x W x H: 45 x 30 x 18 mm

Brand: OSRAM
Type: EASY SYS CP
EAN: 4008321320902

EASY PC KIT



PC software and adapter

- Intuitive software for the simple creation of scenes and sequences
- Including USB adapter cable
- For Windows operating systems

Brand: OSRAM
Type: EASY PC KIT
EAN: 4008321915559

8.4 LED modules

LF05CA-RGB3-P – LINEARlight Colormix Flex Protect



Flexibly splittable RGB LED strip with type of protection IP67

Alternatively available as 39-W module with a length of 6 m and 1 080 lm. Additional feeders optionally available. Suitable for cove lighting.

- For indoor and outdoor areas
- 24-V RGB LED strip
- Power: 72 W
- Length: 4 m
- Luminous flux: 1 740 lm
- Beam angle: 120°
- Lifetime: 50 000 h
- Optimal control with OT EASY 80
- Dimensions: L x W x H: 11 x 4.5 x 4 000 mm

Brand: OSRAM
Type: LF05CA-RGB3-P
EAN: 4008321977205

LF05CA2-RGB3 – LINEARlight Colormix Flex Protect



Flexibly splittable RGB LED strip

Alternatively available as 39-W module with a length of 6 m and 1 080 lm. Additional feeders optionally available. Suitable for cove lighting.

- For indoor areas
- 24-V RGB LED strip
- Power: 72 W
- Length: 4 m
- Luminous flux: 1 880 lm
- Beam angle: 120°
- Lifetime: 50 000 h
- Optimal control with OT EASY 80
- Dimensions: L x W x H: 8 x 2.2 x 4 000 mm

Brand: OSRAM
Type: LF05CA2-RGB3
EAN: 4008321851536

DC24B-TW – DRAGONchain Tunable White



Flexible chain consisting of six LED modules with four warm white/cold white LEDs each (IPX5)

Optimized for the backlighting of translucent foils (light ceilings). Mounting accessories and heat sink optionally available.

- Voltage: 24 V direct current
- Power: 24 W
- Length: max. 3 m (0.5 m between 2 modules)
- Luminous flux: 1 770 lm
- LED light color: Tunable White 2 700 K ... 6 500 K
- Beam angle: 135°
- Lifetime: 40 000 h
- Optimal control with OT EASY 80 (3 DRAGONchain can be connected in parallel)
- Dimensions: L x W x H: max. 3 000 x 39 x 6.4 mm

Brand: OSRAM
Type: DC24B-TW
EAN: 4008321709233

DC24B-RGBW – DRAGONchain Colormix



Flexible chain consisting of six LED modules with four RGB-W LEDs each (IPX5)

Optimized for the backlighting of translucent foils (light ceilings). Mounting accessories and heat sink optionally available.

- Voltage: 24 V direct current
- Power: 27 W
- Length: max. 3 m (0.5 m between 2 modules)
- Luminous flux: 1 198 lm
- LED light color: Tunable White 2 700 K ... 6 500 K
- Beam angle: 135°
- Lifetime: 40 000 h
- Optimal control with OT EASY 80 (2 DRAGONchain can be connected in parallel)
- Dimensions: L x W x H: max. 3 000 x 39 x 6.4 mm

Brand: OSRAM
Type: DC24B-RGBW
EAN: 4008321709219

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