

FPL | BLP



The next generation of LED panels

RIDI





Compact and Economical

Where office workstations, meeting rooms, and even corridors and ancillary areas require cost-optimised lighting, LED panels are frequently the best solution.

RIDI Group products stand for proven quality and reliability. We make all fixtures in the FPL and BLP series with high-quality materials and electronic components, providing a 5-year guarantee for a luminous flux of at least 50,000 h (L80).

The square **BLP** series is designed especially for recessed mounting (module 600 and 625) and already offers a luminous flux of up to 4,700 lumens, depending on the diffuser used for secondary areas (OS models) or office areas (MPS models). Thanks to its optional accessories, the luminaire can also be installed in ceiling cut-outs or mounted on the surface.

The **FPL** series offers even more flexibility. While the FPL modules 600 and 625 can be used traditionally as recessed luminaires as well, other dimensions are available. The rectangular type FPL3-EE measures up to 1.55 m in length and can fulfil many common lighting requirements when used with surface-mounted frames, recessed frames or even as pendant luminaires. The smallest design, the FPL2-EQ with edge dimensions of 300 mm, is ideal for more compact recessed and surface-mounted solutions. The necessary accessories are available.

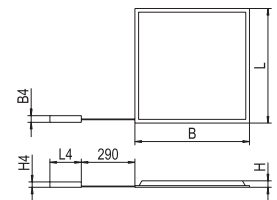
Flexibility in terms of light output and light colour is a proven principle of the FPL series, with different versions available in light colour 840, but also as a ColourSwitch in 830/840 or 850/865 and in Tunable White. With this selection, the FPL series offers the most economical solutions for any everyday lighting task.

The PowerSwitch enables the adjustment of different light levels via DipSwitch and thus contributes to the flexibility and efficiency of the products.



BLP recessed luminaire

with an opal or microprismatic lens



Design: Recessed individual LED luminaires, protection rating IP40 on the room side, IP20 on the ceiling side. LED Back Lit Technique. Mid-power LEDs for even illumination and maximum efficiency. Sturdy luminaire frame made from extruded aluminium, white powder-coated finish (similar to RAL 9016). Independent driver. LED modules operate at extra-low safety voltage below 60 volts (SELV-compliant).

Colour rendering in index Ra \geq 80,
Colour temperature 4000 Kelvin (840).

Mounting: Lay-in mounting in ceiling systems with visible support rails and laid-in ceiling panels. For lay-in mounting, no additional fixing accessories are required. Installation and attachment mounting with corresponding accessories (accessory, order separately).

Electrical versions:

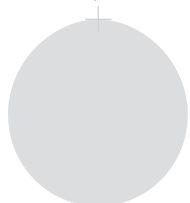
- dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volts, 0/50-60 Hz with internal connector block 5 x 2.5 mm². Suitable for direct voltage operation and use in central battery systems, 220-240 VDC. Through-wiring possible.
- el. conv. version OS: Electronic converter for LED, 220-240 Volt, 0/50-60 Hz and internal connector block 3x2.5mm². Suitable for direct voltage operation and use in central battery systems, 220-240 VDC. Through-wiring possible.
- el. conv. version MPS: Electronic converter for LED, 230 Volt, 50-60 Hz and internal connector block.



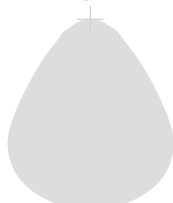
acc. to DIN EN 60598/VDE 0711



Light distribution
OS opal disc



Light distribution
MPS microprismatic disc



BLP-EQ ... OS OS frame made from extruded aluminium with inlaid opal acrylic panel in UV-resistant PMMA. Panel made of high-grade material with matt finish on both sides and a high degree of transmission. Homogenous illumination without visible LED spots.

Model	module	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Luminous colour	Dimens. [mm]						el. conv. Prod. code
						L	B	H	L4	B4	H4	
BLP-EQ0595NDWS840OS0350	600	4000	30	133	840	595	595	33	178	36	29	0822986
BLP-EQ0622NDWS840OS0350	625	4000	30	133	840	620	620	33	178	36	29	0822987



BLP-EQ ... MPS LED recessed luminaire with microprism panel for glare-free illumination. Non-yellowing PMMA panel, external prisms. Very high flexibility: PowerSwitch allows different lighting levels to be set via DipSwitch.

Model	module	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Luminous colour	Dimens. [mm]						el. conv. Prod. code	dim. conv. DALI Prod. code
						L	B	H	L4	B4	H4		
BLP-EQ0595NDWS840MPS0500	600	3600 – 4500	30 – 41	109 – 120	840	595	595	30	152	48	29	0822988	
BLP-EQ0595DAWS840MPS0500	600	1450 – 4500	11,5 – 41	109 – 126	840	595	595	30	219	43	30		0832988
BLP-EQ0622NDWS840MPS0500	625	3650 – 4700	30 – 41	114 – 121	840	620	620	30	152	48	29	0822989	
BLP-EQ0622DAWS840MPS0500	625	1450 – 4700	11,5 – 41	114 – 129	840	620	620	30	219	43	30		0832989

Accessories



Model	Description	Prod. code
ZBS-AR BLP-EQ 595	Surface mounting frame for BLP-EQ 595	0209285
ZBS-AR BLP-EQ 622	Surface mounting frame for BLP-EQ 622	0209284



Model	Description	Prod. code
ZBS-ER FPL-EQ 595	Recessed mounting frame for FPL-EQ 595	0208997
ZBS-ER FPL-EQ 622	Recessed mounting frame for FPL-EQ 622	0208996



- ✚ Very high level of flexibility: **PowerSwitch** allows a variety of lighting levels to be set via a DipSwitch. The versions using **ColourSwitch** offer two light colours in one luminaire that can be selected via a switch.

Recessed luminaire FPL3

with microprismatic diffuser, square or rectangular design for ceiling module 600/625

Design: LED recessed luminaire, flat design, stable luminaire frame made from thermally optimised extruded aluminium profile, white powder coated, similar to RAL9016. Top side of luminaire white plastic coated, fixture of panel package by means of screwless frame construction. This ensures precise LED system coupling within the optical system, resulting in high system efficiency as well as very homogenous lighting of the optical controller. Very high flexibility: PowerSwitch allows different lighting levels to be set via DipSwitch. Protection rating IP40 on the room side, IP20 on the ceiling side.

LED recessed luminaire with microprism panel for glare-free illumination.

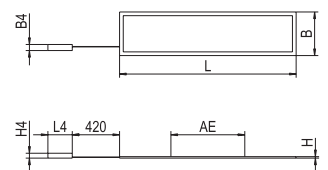
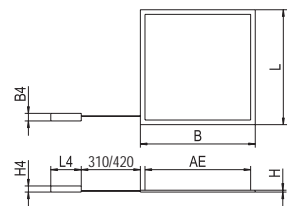
Non-yellowing PMMA panel, external prisms.

Colour rendering in index Ra ≥ 80 ,
Colour temperature 4000 Kelvin (840)
ColourSwitch 3000 or 4000 Kelvin,
ColourSwitch 5000 or 6500 Kelvin
Tunable White 3000-6500 Kelvin (830-865)

Mounting: Lay-in mounting in ceiling systems with visible support rails and laid-in ceiling panels. For lay-in mounting, no additional fixing accessories are required. Pendant mounting with automatic wire clamps, wire cable d=1.2mm, L=1.5m (accessory, order separately). Recessed and surface mounting with corresponding accessories (accessory, order separately).

Electrical versions:

- dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volts, 0/50-60 Hz with internal connector block 5 x 2.5 mm². Suitable for direct voltage operation and use in central battery systems, 220-240 VDC.
- el. conv.: Electronic converter for LED, 230 Volt, 50-60 Hz and internal connector block.



Variant with mounting frame (accessories)



+

The seamless aluminium frame exudes quality with outstanding stability and first-rate workmanship.



+

The screwless frame construction guarantees durable quality and a long service life thanks to the frame's optimum thermal coupling.



+

ColourSwitch: Use the switch fitted directly to the luminaire to choose either of the two light colours.



FPL3 ... MPS for 625 x 625 modular ceilings

Model	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Luminous colour	L	B	Dimens. [mm]				H4	AE	el. conv. Prod. code	dim. conv. DALI Prod. code	
FPL3-EQ0622NDWS840MPS0500	3600 – 4600	30 – 40	115 – 122	840	620	620	13	152	48	29	530	0822990		0832990	PS
FPL3-EQ0622DAWS840MPS0500	1400 – 4600	11,5 – 40	115 – 124	840	620	620	13	219	43	30	530				PS
FPL3-EE1245NDWS830840MPS0500	3600 – 4600	30 – 40	115 – 122	CS 830/840	1245	310	13	152	48	29	1155	0822997			PS CS
FPL3-EE1245DAWS830840MPS0500	1350 – 4600	11,5 – 40	115 – 122	CS 830/840	1245	310	13	219	43	30	1155			0832997	PS CS
FPL3-EE1545NDWS830840MPS0500	3600 – 4600	30 – 40	115 – 122	CS 830/840	1545	310	13	152	48	29	1455	0822998			PS CS
FPL3-EE1545DAWS830840MPS0500	1350 – 4600	11,5 – 40	115 – 122	CS 830/840	1545	310	13	219	43	30	1455			0832998	PS CS
FPL3-EQ0622NDWS830840MPS0500	3600 – 4600	30 – 40	115 – 122	CS 830/840	620	620	13	152	48	29	530	0822991			PS CS
FPL3-EQ0622DAWS830840MPS0500	1400 – 4600	11,5 – 40	115 – 124	CS 830/840	620	620	13	219	43	30	530			0832991	PS CS
FPL3-EQ0622NDWS850865MPS0500	3600 – 4600	30 – 40	115 – 122	CS 850/865	620	620	13	152	48	29	530	0822992			PS CS
FPL3-EQ0622DAWS850865MPS0500	1400 – 4600	11,5 – 40	115 – 124	CS 850/865	620	620	13	219	43	30	530			0832992	PS CS
FPL3-EQ0622DAWS87WMP0500	2700 – 4600	22,5 – 41	112 – 120	TW 830-865	620	620	13	126	81	31	530			0832994	PS

FPL3 ... MPS for 600 x 600 modular ceilings

Model	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Luminous colour	L	B	Dimens. [mm]				H4	AE	el. conv. Prod. code	dim. conv. DALI Prod. code	
FPL3-EE1195NDWS830840MPS0500	3600 – 4600	30 – 40	115 – 122	CS 830/840	1195	295	13	152	48	29	1105	0822996			PS CS
FPL3-EE1195DAWS830840MPS0500	1350 – 4600	11,5 – 40	115 – 122	CS 830/840	1195	295	13	219	43	30	1105			0832996	PS CS
FPL3-EQ0595NDWS830840MPS0500	3600 – 4600	30 – 40	115 – 122	CS 830/840	595	595	13	152	48	29	505	0822993			PS CS
FPL3-EQ0595DAWS830840MPS0500	1400 – 4600	11,5 – 40	115 – 124	CS 830/840	595	595	13	219	43	30	505			0832993	PS CS
FPL3-EQ0595DAWS87WMP0500	2700 – 4600	22,5 – 41	112 – 120	TW 830-865	595	595	13	126	81	31	505			0832995	PS



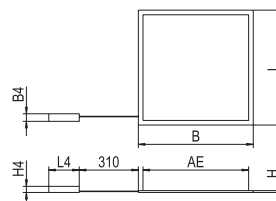
+

The jointless aluminium frame convinces with outstanding stability and first-rate workmanship.



Recessed luminaire FPL2-EQ0300

with microprismatic disc, small and excellent: 30 x 30



Design: LED recessed luminaire, flat design, stable luminaire frame made from thermally optimised extruded aluminium profile, white powder coated, similar to RAL9016. Top side of luminaire white plastic coated, fixture of panel package by means of screwless frame construction. This ensures precise LED system coupling within the optical system, resulting in high system efficiency as well as very homogenous lighting of the optical controller.

LED recessed luminaire with microprism panel for glare-free illumination, UGR22. Non-yellowing PMMA panel, external prisms.

Highlight: Very high flexibility: PowerSwitch allows different lighting levels to be set via DipSwitch.

Colour rendering in index Ra ≥ 80 ,
colour temperature 3000 Kelvin (830), 4000 Kelvin (840)

Mounting: Lay-in mounting in ceiling systems with visible support rails and laid-in ceiling panels. For lay-in mounting, no additional fixing accessories are required. Pendant mounting with automatic wire clamps, wire cable d=1.2mm, L=1.5m (accessory, order separately). Recessed and surface mounting with corresponding accessories (accessory, order separately).



Note LABS: These luminaires are suitable for use in paint processing operations outside the painting area or outside of solvent processing areas.

Electrical versions:

- dim. conv. DALI: Electronic DALI converter for LED, 220-240 Volts, 0/50-60 Hz with internal connector block 5 x 2.5 mm². Suitable for direct voltage operation and use in central battery systems, 220-240 VDC.
- el. conv.: Electronic converter for LED, 230 Volt, 50-60 Hz and internal.



IP40

IK 06



acc. to DIN EN 60598/VDE 0711

Model	Luminaire luminous flux [lm]	Luminaire output [W]	Luminaire efficiency [lm/W]	Luminous colour	L	B	H	L4	B4	H4	AE	el. conv. Prod. code	dim. conv. DALI Prod. code	
FPL2-EQ0300NDWS830MPS0200	1600	17	94	830	295	295	13	235	43	33	270	0822983		PS
FPL2-EQ0300DAWS830MPS0200	1780	18	98	830	295	295	13	303	64	33	270		0832983	PS
FPL2-EQ0300NDWS840MPS0200	1600	17	94	840	295	295	13	235	43	32,5	270	0822984		PS
FPL2-EQ0300DAWS840MPS0200	1780	18	98	840	295	295	13	303	64	32,5	270		0832984	PS

Accessories for mounting

Model	Description	Prod. code
ZBS-AR FPL-EQ 622	Surface mounting frame for FPL3-EQ 622	0208991
ZBS-AR FPL-EQ 595	Surface mounting frame for FPL3-EQ 595	0208992

Model	Description	Prod. code
ZBS-AR FPL-EE 1245	Surface mounting frame for FPL3-EE 1245	0209004
ZBS-AR FPL-EE 1195	Surface mounting frame for FPL3-EE 1195	0209005
ZBS-AR FPL3-EE 1545	Surface mounting frame for FPL3-EE 1545	0209376

Model	Description	Prod. code
ZBS-AR FPL2-EQ 300	Surface mounting frame for FPL2-EQ 300	0209161

Model	Description	Prod. code
ZBS-AR FPL2-EQ 300-II	Surface mounting frame for FPL2-EQ 300	0209317

Accessories for wire pendant



*Y' wire pendant FPL with ceiling fixture,
4xcarabiner, (1/lum.)*

Model	Description	Prod. code
ZSP-FPL-EQ 1,5M	Length 1,5 m	0206909
ZSP-FPL-EQ 3,0M	Length 3,0 m	0206909/L300
ZSP-FPL-EQ 5,0M	Length 5,0 m	0206909/L500



*Y' wire pendant FPL with ceiling fixture,
6xcarabiner, (1/lum.)*

Model	Description	Prod. code
ZSP-FPL-EE 1,5M	Length 1,5 m	0209249
ZSP-FPL-EE 3,0M	Length 3,0 m	0209249/L300
ZSP-FPL-EE 5,0M	Length 5,0 m	0209249/L500

Accessories for emergency lighting



Model	Description	Prod. code
ZEL-FPL-EM-BOX-ND	3 W power supply box for emergency light with self-test, 3h, for FPL2, BLP ... OS	0209288
ZEL-FPL3-EM-BOX-ND	3 W power supply box for emergency light with self-test, 3h, for FPL2, BLP ... MPS	0209395

Accessories for installation

Model	Description	Prod. code
ZBS-ER FPL-EQ 622	Recessed mounting frame for FPL3-EQ 622	0208996
ZBS-ER FPL-EQ 595	Recessed mounting frame for FPL3-EQ 595	0208997

Model	Description	Prod. code
ZBS-ER FPL-EE 1245	Recessed mounting frame for FPL3-EE 1245	0209001
ZBS-ER FPL-EE 1195	Recessed mounting frame for FPL3-EE 1195	0209002
ZBS-ER FPL3-EE 1545	Recessed mounting frame for FPL3-EE 1545	0209377

Model	Description	Prod. code
ZBS-EKL FPL-EQ	Recessed clamp for FPL2-EQ, 1 set	0209080
ZBS-EKL FPL3-EQ	Recessed clamp excl. for FPL3-EQ, 1 set	0209394

Model	Description	Prod. code
ZBS-ER FPL2-EQ 300	Recessed mounting frame for FPL2-EQ 300	0209166

Accessories APCON® EASY BLE



Model	Description	Prod. code
APCON CDH R165 FWS	Bluetooth Low Energy / BLE DALI hybrid box	0218440
APCON CDH R165 FWS TW	Bluetooth Low Energy / BLE DALI hybrid box Tunable White - TW	0218440//428



Ceiling - installation



Ceiling - mounting

Model	Description	Prod. code
APCON BLE-SEN5-SC	Bluetooth Low Energy / BLE daylight and motion sensor, recessed ceiling mounting	0209061
APCON BLE-SEN5-SM	Bluetooth Low Energy / BLE daylight and motion sensor, ceiling mounting	0209062



Model	Description	Prod. code
APCON BLE-COP-A	Bluetooth Low Energy / BLE pushbutton coupler with 4 inputs	0209024



Model	Description	Prod. code
APCON BLE-XPRESSW	Bluetooth Low Energy / BLE button interface, white	0206970
APCON BLE-XPRESSB	Bluetooth Low Energy / BLE button interface, black	0206970SW



Model	Description	Prod. code
APCON BLE-1SWITCH	Bluetooth Low Energy / BLE single button	0209153
APCON BLE-2SWITCH	Bluetooth Low Energy / BLE dual button	0209154

Individual office

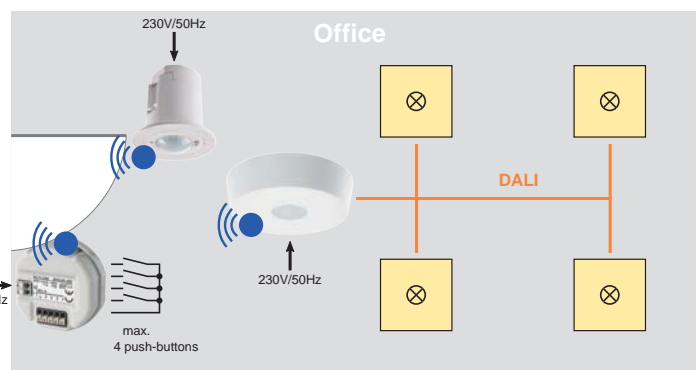
Task:

The luminaires in an office need to switch on simultaneously when somebody enters and they need to adjust fully automatically to the set light value depending on the availability of daylight.

Once nobody is left in the room, the lighting switches off again automatically once a set period of time has elapsed. This ensures that the lighting is always switched off once the occupant has left. In addition, manual intervention is made possible via a push-button by the door to the office. This push-button allows you to individually dim and brighten the lighting and to switch it on and off. The entire system with all its lighting and lighting control components needs to be configurable via a smartphone / tablet app.



APCON solution:



— DALI

For information on connecting APCON components, please take a look at the data sheet.

To keep the image clear, we have not shown the luminaires' mains connection, but it is required.

The number and position of the motion sensors varies depending on the object and can be determined using the planning tool.

Part list APCON components:

Quantity	Model	Description	Prod. code
1 Piece	APCON CDH R165-FWS	Bluetooth Low Energy / BLE DALI hybrid box	0218440
1 Piece	APCON BLE-SEN5-SC	Bluetooth Low Energy / BLE daylight and motion sensor, recessed ceiling mounting	0209061
1 Piece	APCON BLE-COP-A	Bluetooth Low Energy / BLE pushbutton coupler with 4 inputs	0209024

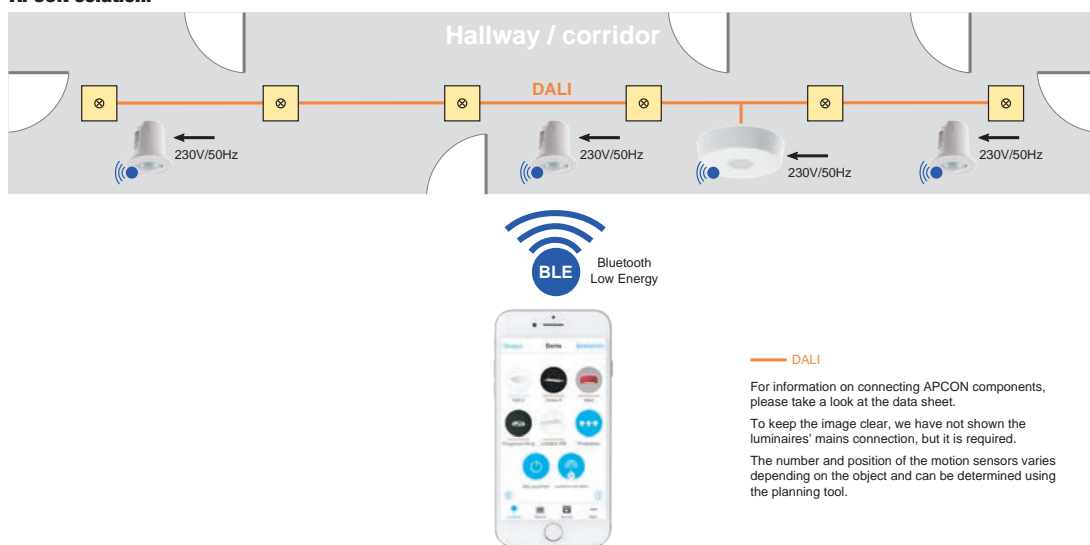
Note: For luminaires with Tunable White technology please use Hybridbox TW (Prod. code. 0218440//428).

Corridor

Task:

Lighting only when it is needed while still avoiding dark zones. The lighting in a corridor needs to be motion-controlled and reduced to a base level after an adjustable period of time to avoid dark areas. The delay period and basic light value also needs to be freely adjustable. The entire system with all its lighting and lighting control components needs to be configurable via a smartphone / tablet app.

APCON solution:



— DALI

For information on connecting APCON components, please take a look at the data sheet.

To keep the image clear, we have not shown the luminaires' mains connection, but it is required.

The number and position of the motion sensors varies depending on the object and can be determined using the planning tool.

Part list APCON components:

Quantity	Model	Description	Prod. code
1 Piece	APCON CDH R165-FWS	Bluetooth Low Energy / BLE DALI hybrid box	0218440
3 Pieces	APCON BLE-SEN5-SC	Bluetooth Low Energy / BLE daylight and motion sensor, recessed ceiling mounting	0209061

Note: For luminaires with Tunable White technology please use Hybridbox TW (Prod. code. 0218440//428).

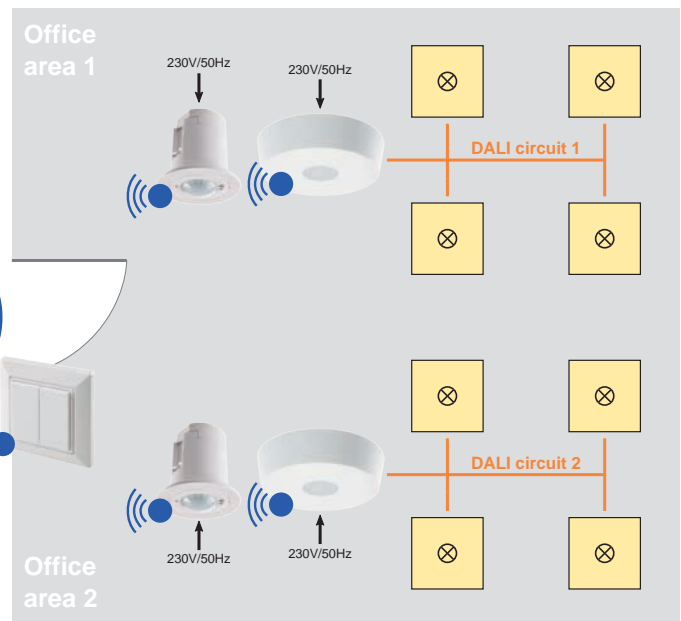
Double office

Task:

The lighting of the office is divided equally between the two workspaces, is set to switch on once somebody enters the respective area, and is controlled fully automatically depending on the level of daylight. Once everybody has left the area and once an adjustable period of time has elapsed, the lighting is set to switch off again independently. This ensures that the lighting is always switched off at the end of the working day. In addition, manual intervention is made possible via a push-button by the door to the office. This push-button allows you to individually dim and brighten the lighting and to switch it on and off independently in either area. The entire system with all its lighting and lighting control components needs to be configurable via a smartphone/tablet app.



APCON solution:



— DALI

For information on connecting APCON components, please take a look at the data sheet.

To keep the image clear, we have not shown the luminaires' mains connection, but it is required.

The number and position of the motion sensors varies depending on the object and can be determined using the planning tool.

Part list APCON components:

Quantity	Model	Description	Prod. code
2 Pieces	APCON CDH R165-FWS	Bluetooth Low Energy / BLE DALI hybrid box	0218440
2 Pieces	APCON BLE-SEN5-SC	Bluetooth Low Energy / BLE daylight and motion sensor, recessed ceiling mounting	0209061
1 Piece	APCON BLE-SWITCH2	Bluetooth Low Energy / BLE dual button	0209154

Note: For luminaires with Tunable White technology please use Hybridbox TW (Prod. code. 0218440//428).

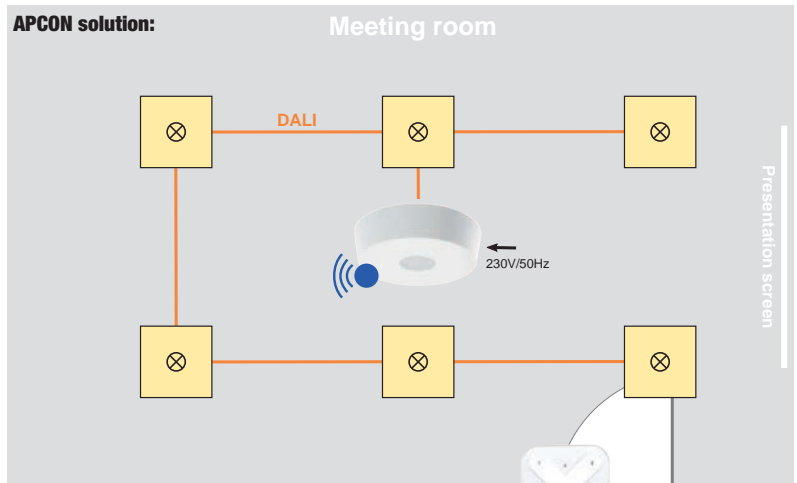
Meeting room

Task:

The lighting in a meeting room needs to be controlled via a control element by the entrance door that allows it to be switched on and off as well as dimmed and brightened individually. In addition, a number of lighting scenes, i.e. different lighting levels, need to be available. The entire system with all its lighting and lighting control components needs to be configurable via a smartphone/tablet app.



APCON solution:



— DALI

For information on connecting APCON components, please take a look at the data sheet.

To keep the image clear, we have not shown the luminaires' mains connection, but it is required.

Part list APCON components:

Quantity	Model	Description	Prod. code
1 Piece	APCON CDH R165-FWS	Bluetooth Low Energy / BLE DALI hybrid box	0218440
1 Piece	APCON BLE-XPRESSW	Bluetooth Low Energy / BLE button interface, white	0206970

Note: For luminaires with Tunable White technology please use Hybridbox TW (Prod. code. 0218440//428).

RIDI Leuchten GmbH
Hauptstraße 31-33 · 72417 Jungingen
Tel. +49 7477 872-0 · Fax +49 7477 872-48
info@ridi.de · www.ridi.de · www.ridi-group.com