ESYLUX

OPTIONAL INTEGRATED HIGH-FREQUENCY MOTION DETECTOR (DALI-2 OR ON/OFF)

EFFICIENT, ROBUST, INTELLIGENTLY CONTROLLED. ESY!

OLIVIA-2 SERIES OF LED MOISTURE-PROOF LIGHTS

- Housing designed for LEDs with integrated DALI-2 or ON/OFF drivers
- Optionally integrated high-frequency motion detector for energy-efficient light control
- Excellent luminous efficacy
- Integrated through-wiring
- Robust design for long service life

DALI 2

PERFORMANCE FOR SIMPLICITY

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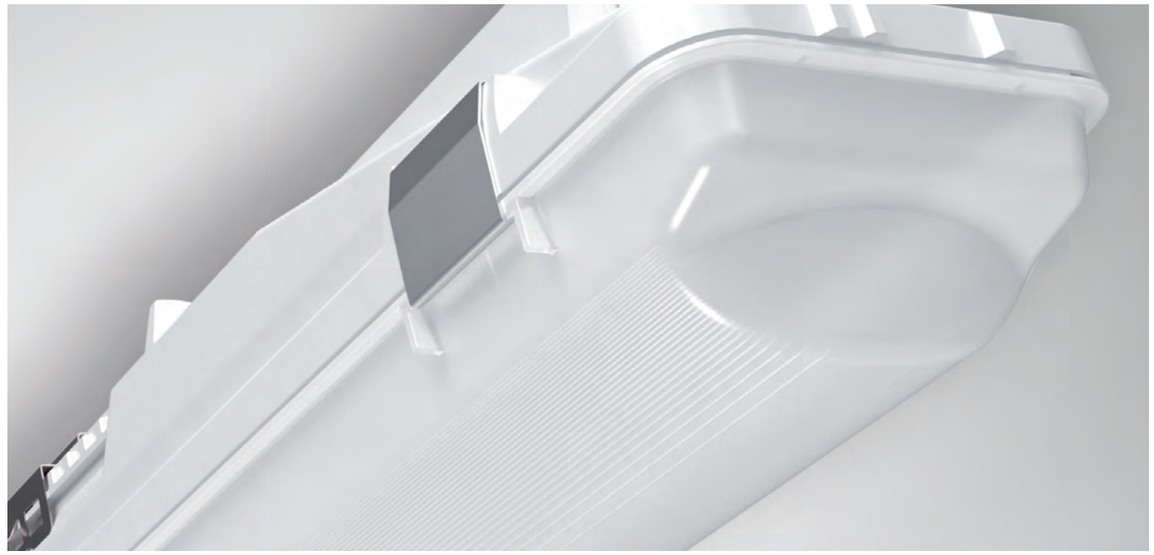
APC presence detectors from ESYLUX for DALI-2 control OLIVIA-2 in up to 16 lighting groups!

EVEN MORE EFFICIENT WITH SENSOR TECHNOLOGY

- **DALI-2 versions for presence- and daylight-dependent constant light control and orientation light**
- **Optional integrated high-frequency motion detector**
- **Particularly robust: IP66 and IK08 protection**
- **Very high luminous efficacy of up to 165 lm/W**

5 YEARS MANUFACTURER WARRANTY

Whether it's corridors, storage areas, parking garages or cellars: Moisture-proof lights from the OLIVIA-2 series provide the best protected lighting with the high energy-saving potential. An optionally integrated high-frequency motion detector and the excellent luminous efficacy provide optimal energy efficiency and clever details such as the integrated through-wiring make installation simpler.



The intelligent light control, the integrated high-frequency sensor technology and the excellent light transmission of the diffuser make for optimal energy efficiency.

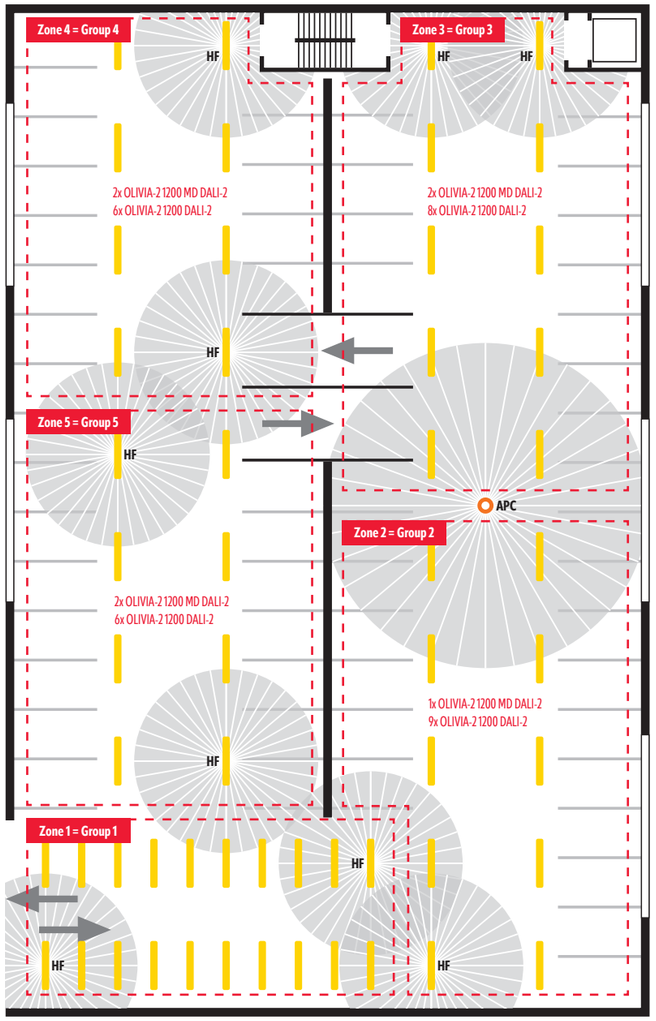
The series offers luminaires for DALI-2 or ON/OFF with lengths of 1200 or 1500 mm in these versions:

- Standard version with through-wiring
- Version with high-frequency motion detector (detection range: Ø 9 m)
- Version with integrated emergency lighting function
- Standard version without through-wiring (ON/OFF only)

1200 mm

1500 mm

INTELLIGENTLY CONTROL
LIGHTING IN PARKING GARAGES



Lighting in parking garages and underground car parks increases safety and is in continuous operation all day long. Intelligent light control reduces costs.

EXAMPLE SOLUTION FOR PARKING GARAGES

- An APC presence detector with integrated DALI-2 application controller controls OLIVIA-2 in up to 16 lighting groups
- High-frequency motion detectors optionally integrated into the luminaires serve as input devices
- The APC only increases the illuminance in any zone where movement is detected
- Otherwise it dims the lights, e.g. to an economical but still easy to navigate 20 %
- Control by day of the week and time of day is also possible with APC presence detectors

OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 MD DALI-2

PD-C 360bt/32 APC20 PS plus DALI-2

PARTS LIST

Quantity	Product name	Item no.
9	OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 MD DALI-2	EO10310584
47	OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 DALI-2	EO10310577
1	PD-C 360bt/32 APC20 PS plus DALI-2	EP10428289
1	COMPACT APC MOUNTING BOX IP54 SM GY	EP10427183

PRESENCE- AND DAYLIGHT-DEPENDENT CONSTANT LIGHT CONTROL

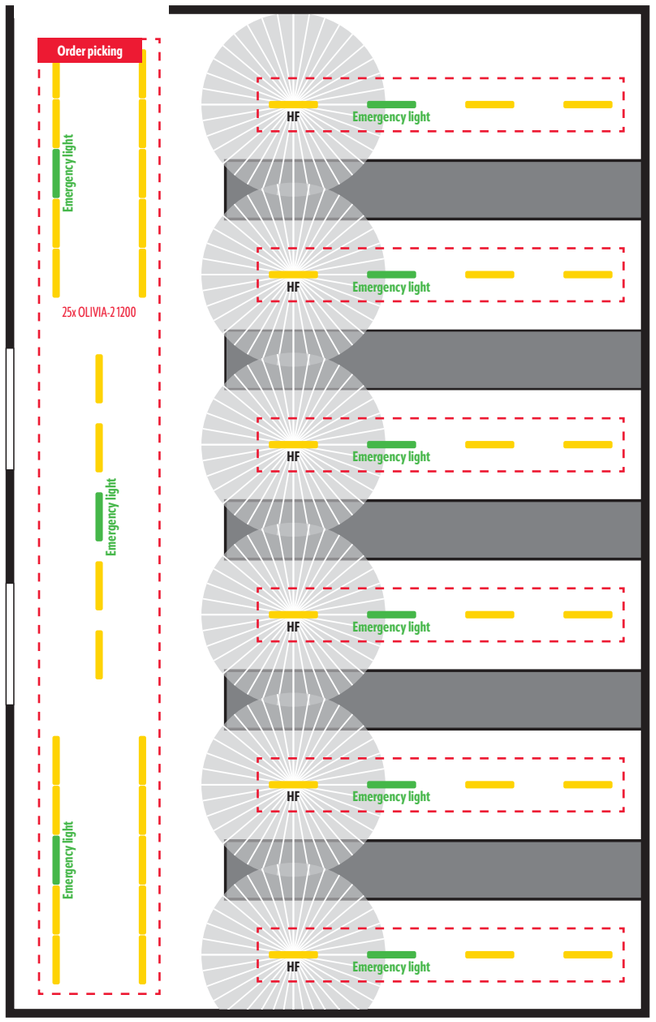
In parking garages with natural light, the APC presence detector makes the best possible use of the available daylight through presence- and daylight-dependent constant light control.

ESY

You can configure the entire DALI-2 lighting system, including the high-frequency motion detectors from the OLIVIA-2 series, via the APC presence detector's integrated Bluetooth module – simply by connecting your smartphone!

ENERGY-EFFICIENT SWITCHING OF WAREHOUSE LIGHTING

ON/OFF



Relatively high illuminance levels are required in storage areas for order picking or handling small parts, for example. However, lighting can be switched off in shelf aisles when nobody is present.

EXAMPLE SOLUTION FOR WAREHOUSES WITH SHELVES

- High-frequency motion detectors optionally integrated in ON/OFF luminaires switch each lighting group in each shelf aisle
- They only turn the lighting on when someone enters an aisle, and switch it off automatically when they no longer detect any movement
- OLIVIA-2 luminaires with an emergency lighting function can also be used here

OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 MD

OLIVIA-2 MPL 1200 OP 5300 840 IP66 3h 5x2.5

PARTS LIST

Quantity	Product name	Item no.
6	OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 MD	EO10310621
34	OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5	EO10310614
9	OLIVIA-2 MPL 1200 OP 5300 840 IP66 3h 5x2.5	EO10310638

PRESENCE- AND DAYLIGHT-DEPENDENT LIGHT SWITCHING

Even simple presence- and daylight-dependent switching of the lighting offers significant potential to save energy – and makes reliable use of the LED service life.

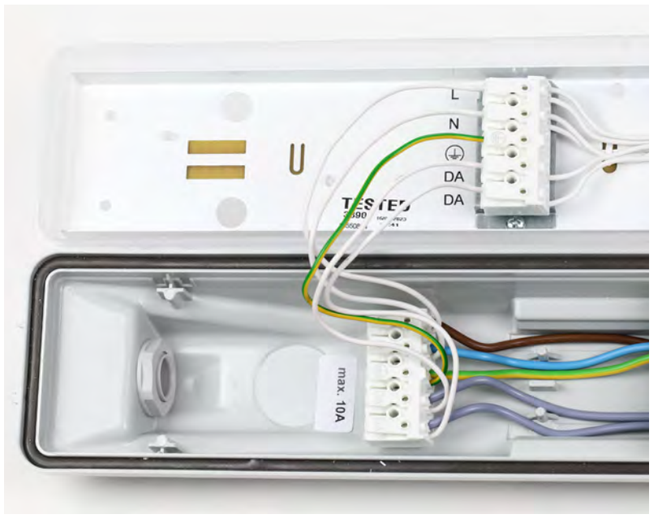
Field of detection		Switch-off delay time		Light sensor	
1	2	3	4	5	6
●	● 100 %	●	● 5 s	●	● Deactivate
○	● 75 %	○	● 90 s	○	● 50 lux
●	○ 50 %	●	○ 5 min	●	○ 10 lux
○	○ 10 %	○	○ 15 min	○	○ 2 lux

The high-frequency motion detectors in the ON/OFF versions can be parameterised while inside the luminaire housing using the DIP switch.

● Factory settings

EASILY INSTALL OLIVIA-2

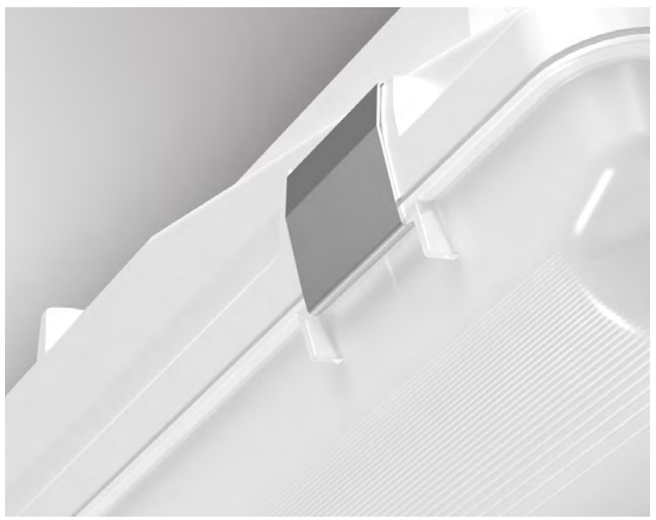
INTEGRATED THROUGH-WIRING WITH SECURE CABLE GLAND



◀ The integrated through-wiring, shown here on a DALI-2 version, saves valuable installation time.

The easy-to-install cable glands provided include dummy plugs for the last luminaire in a light strip and offer reliable strain relief and sealing. ▼

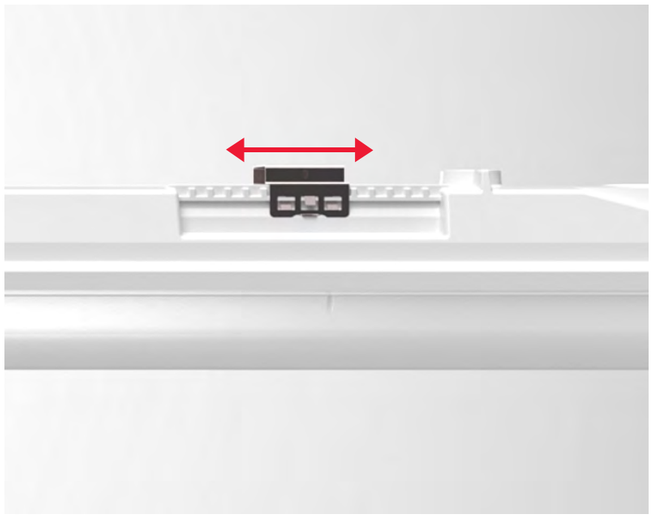
TAMPER-PROOF STAINLESS STEEL CLIPS



◀ Tamper-proof stainless steel clips lock the housing. They cannot be opened with hands alone – only by using a flat-head screwdriver.

To reduce installation time, the clips are delivered unlocked. Instead, a mesh sleeve holds the diffuser in place. ▼

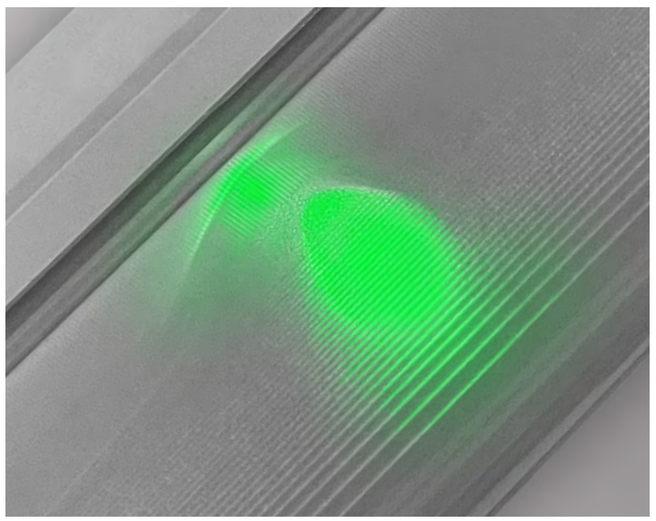
FLEXIBLE INSTALLATION



◀ The stainless steel mounting brackets for ceiling mounting are easy to move. Any available mounting screws obtained when replacing old luminaires can simply be re-used.

Optional accessories include an additional hanging bracket that can be used to suspend the luminaires on chains or wire cables (left) and a reinforced mounting bracket that can be used for wall mounting (right). ▼

VERSIONS WITH EMERGENCY LIGHTING MODULE

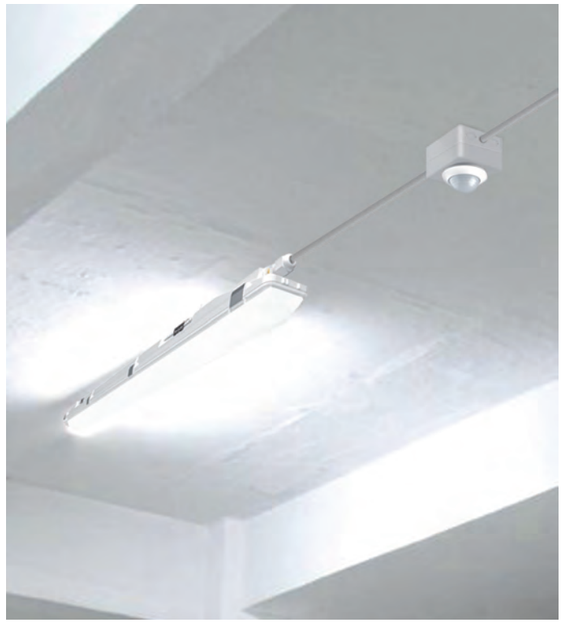


OLIVIA-2 variants with an integrated emergency lighting function simplify planning and installation.

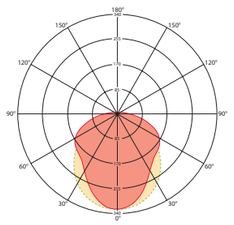
The emergency lighting versions carry out automatic testing and indicate the result via a green status LED. A correspondingly programmed application controller additionally enables DALI-2 to carry out automatic, centralised monitoring and recording.

SERIES OVERVIEW

- Integrated DALI-2-certified or ON/OFF drivers with ENEC test symbol
- Optionally integrated high-frequency motion detector for motion- and daylight-dependent control of a lighting group
- Motion detectors in the DALI-2 versions serve as input devices for DALI-2 application controllers, e.g. APC presence detectors from the COMPACT series
- Versions with an emergency lighting function, long-lasting LiFePO4 battery and automatic testing
- Simple group installation thanks to integrated 5 x 2.5 mm² through-wiring and push terminals on both sides
- Two cable glands for cables up to 5 x 2.5 mm² included
- Excellent light transmission due to opal diffuser made of UV-stabilised polycarbonate
- Excellent luminous efficacy of up to 165 lm/W
- High protection type (IP66) thanks to injected silicone-based seal
- Tamper-proof stainless steel locking clips (cannot be released by hand)
- Two snap-in and flexibly adjustable brackets for ceiling mounting included
- Reinforced brackets for wall mounting and hangers for suspended mounting as optional accessories

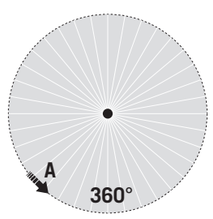


LIGHT DISTRIBUTION



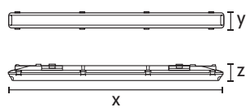
C0, C90, C0 / C90

FIELD OF DETECTION



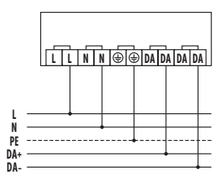
Detection range diagonally: Ø 9 m

PRODUCT TYPES



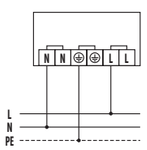
CIRCUIT DIAGRAMS

BZ



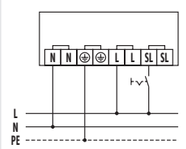
Standard operation

BF



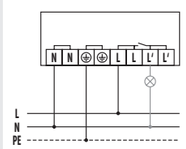
Standard operation

DC



Standard operation

DD



Standard operation

Product group / product name	Item no.	Light colour (IEC 1231)	Luminous flux	Rated output P	Luminous efficacy	Unified Glare Rating	Diffuser	Protection type	High-frequency motion detector detection range approx. Ø 9 m	Emergency light function	Through-wiring	Without through-wiring	Energy efficiency class	Dimensions (mm)	Circuit diagram	New
DALI-2																
OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 MD DALI-2 (light grey, similar to RAL 7035)	EO10310584	840	5300 lm	35 W	151 lm/W	< 25	OP	IP66	•		•		LED EEI C	X 1185, Y 85, Z 86	BZ	★
OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 DALI-2 (light grey, similar to RAL 7035)	EO10310577	840	5300 lm	33 W	160 lm/W	< 25	OP	IP66			•		LED EEI C	X 1185, Y 85, Z 86	BZ	★
OLIVIA-2 MPL 1200 OP 5300 840 IP66 3h 5x2.5 DALI-2 (light grey, similar to RAL 7035)	EO10310591	840	5300 lm	36 W	147 lm/W	< 25	OP	IP66		•	•		LED EEI C	X 1185, Y 85, Z 86	BZ	★
OLIVIA-2 MPL 1500 OP 6300 840 IP66 5x2.5 MD DALI-2 (light grey, similar to RAL 7035)	EO10310652	840	6300 lm	41 W	153 lm/W	< 25	OP	IP66	•		•		LED EEI C	X 1477, Y 85, Z 86	BZ	★
OLIVIA-2 MPL 1500 OP 6300 840 IP66 5x2.5 DALI-2 (light grey, similar to RAL 7035)	EO10310645	840	6300 lm	39 W	161 lm/W	< 25	OP	IP66			•		LED EEI C	X 1477, Y 85, Z 86	BZ	★
OLIVIA-2 MPL 1500 OP 6300 840 IP66 3h 5x2.5 DALI-2 (light grey, similar to RAL 7035)	EO10310669	840	6300 lm	42 W	150 lm/W	< 25	OP	IP66		•	•		LED EEI C	X 1477, Y 85, Z 86	BZ	★
ON/OFF																
OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 MD (light grey, similar to RAL 7035)	EO10310621	840	5300 lm	33 W	160 lm/W	< 25	OP	IP66	•		•		LED EEI C	X 1185, Y 85, Z 86	DD	★
OLIVIA-2 MPL 1200 OP 5300 840 IP66 5x2.5 (light grey, similar to RAL 7035)	EO10310614	840	5300 lm	32 W	165 lm/W	< 25	OP	IP66			•		LED EEI C	X 1185, Y 85, Z 86	BF	★
OLIVIA-2 MPL 1200 OP 5300 840 IP66 3h 5x2.5 (light grey, similar to RAL 7035)	EO10310638	840	5300 lm	36 W	147 lm/W	< 25	OP	IP66		•	•		LED EEI C	X 1185, Y 85, Z 86	DC	★
OLIVIA-2 MPL 1200 OP 5300 840 IP66 (light grey, similar to RAL 7035)	EO10310607	840	5300 lm	32 W	165 lm/W	< 25	OP	IP66				•	LED EEI C	X 1185, Y 85, Z 86	BF	★
OLIVIA-2 MPL 1500 OP 6300 840 IP66 5x2.5 MD (light grey, similar to RAL 7035)	EO10310690	840	6300 lm	39 W	161 lm/W	< 25	OP	IP66	•		•		LED EEI C	X 1477, Y 85, Z 86	DD	★
OLIVIA-2 MPL 1500 OP 6300 840 IP66 5x2.5 (light grey, similar to RAL 7035)	EO10310683	840	6300 lm	38 W	165 lm/W	< 25	OP	IP66			•		LED EEI C	X 1477, Y 85, Z 86	BF	★
OLIVIA-2 MPL 1500 OP 6300 840 IP66 3h 5x2.5 (light grey, similar to RAL 7035)	EO10310706	840	6300 lm	42 W	150 lm/W	< 25	OP	IP66		•	•		LED EEI C	X 1477, Y 85, Z 86	DC	★
OLIVIA-2 MPL 1500 OP 6300 840 IP66 (light grey, similar to RAL 7035)	EO10310676	840	6300 lm	38 W	165 lm/W	< 25	OP	IP66				•	LED EEI C	X 1477, Y 85, Z 86	BF	★

Product group / product name	Item no.	Product description	New
Accessories			
OLIVIA-2 HANGER BRACKET SET 2x	EO10310515	2x stainless steel hangers for suspended mounting. For insertion into the mounting brackets supplied with the OLIVIA-2 moisture-proof lights.	★
OLIVIA-2 WALL MOUNTING BRACKET SET 2x	EO10310508	2x reinforced stainless steel mounting brackets for wall mounting	★

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