Mec Lite

READY-TO-LIGHT

INNOVATIVE POWER SUPPLY AND CONTROL PLATFORM, MODULAR AND VERSATILE











MEC LITE

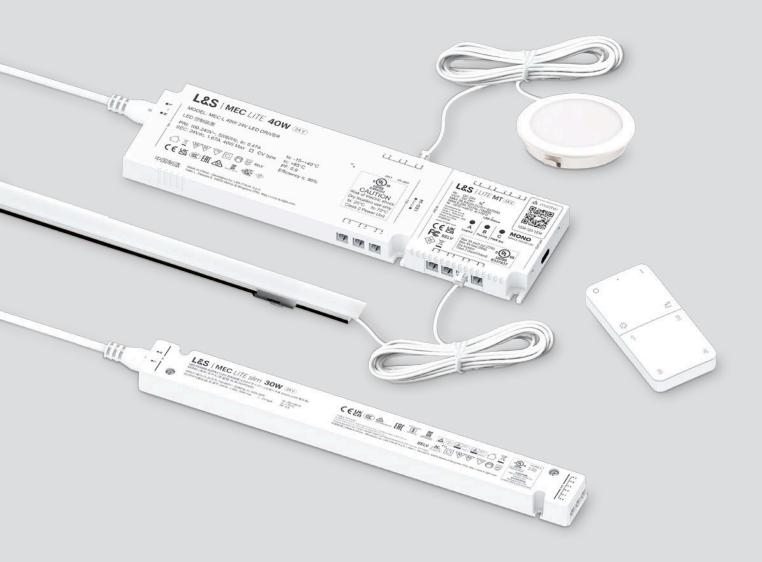
Ready-to-light

The innovative "Plug&Play" power supplies platform MEC Driver by L&S expands with the introduction of **MEC** *LITE*, the new "**Ready-to-light**" power supply and control system for LED lamps.

MEC *LITE* is a multi-certified product with a compact and modular design: equipped with an integrated power distributor, it is **versatile**, **straightfoward and easy to install**. It also includes new intuitive **Smart Home** solutions for light customization and an innovative range of dedicated wireless sensors and transmitters.

MEC LITE ensures **greater energy efficiency** compared to the MEC Driver product range, with which it is compatible.

Ready-to-light



Practical integrated power distributor

IThe integrated power distributor of MEC LITE, with an optimized number of outputs based on the power supply's capacity, is a practical and easy-to-use solution for quickly connecting LED lamps without additional distribution modules, which can still be used if it becomes necessary to power a larger number of lamps.

Reduced width for special installations

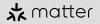
The new **MEC** LITE slim model, equipped with an integrated 3-output distributor, is thin and versatile, making it ideal for installation in tight spaces. Available exclusively in 24V, it can be connected to the control modules from the L&S power supply range via dedicated cable.

New control modules: Easier Smart Home

MEC LITE features a modular design with new Smart Home solutions for light control via voice assistant or smartphone, allowing for endless customizations in a simple and intuitive manner. LITE MT, the module based on the Matter protocol, connects directly to the native app of the most popular Smart Home devices (eliminating the issue of managing different apps and protocols). The Bluetooth module LITE BT provides simple and immediate light management at your smartphone's fingertips; the Zigbee Module ensures quick and precise lighting control in a reliable low-energy consumption mesh network













Wireless control, practical and elegant

The new radio frequency transmitters make light management easy and incredibly versatile. *LITE* **sensor** is an innovative all-in-one sensor suitable for any context, usable as a motion sensor, door contact sensor, or touch transmitter. *LITE* **remote** is a practical 4-channel transmitter that allows control of multiple *LITE* control modules and can be installed on the wall using a practical magnetic support.







LITE sensor

LITE remote

4 channel remote

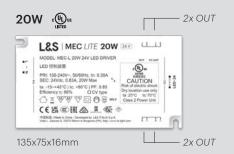
Multi-certified for global use

MEC LITE meets all major quality and safety requirements imposed by various global regulatory standards. The certifications obtained, together with the Wide Input system of 100-240 V AC and a separate power cable that can be chosen based on the type of plug used, make MEC LITE a global, safe, and reliable product.



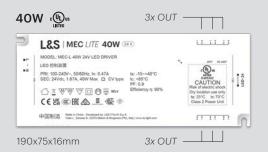
MEC LITE 24 V















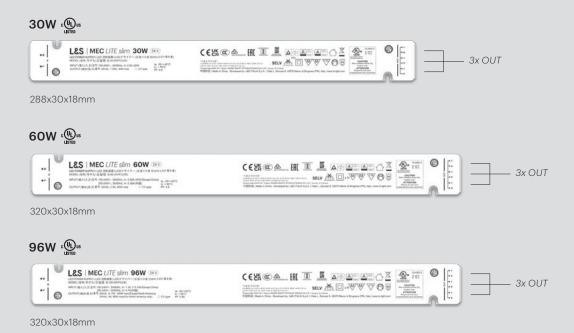
MEC LITE 12V



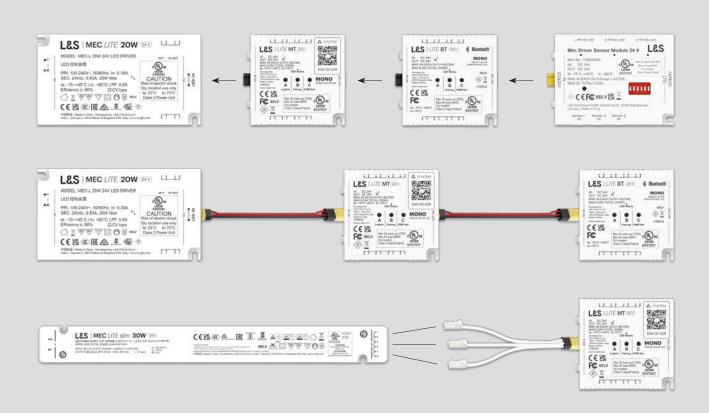




MEC LITE slim 24 V



Connection diagrams



7

Smart Control

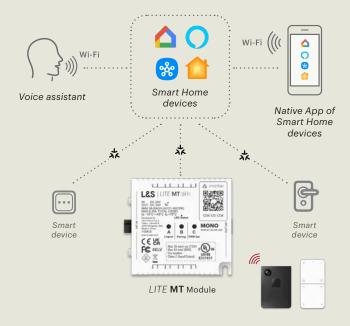
Easier light customization with new control solutions, compatible with the most popular Smart Home management platforms.
Choose the configuration that best suits your needs



* matter

The universal standard for Smart Home devices

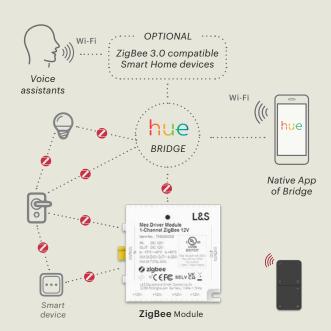
It simplifies the connection between smart devices from different brands through the innovative, fast, and reliable Matter protocol: the LiteMT control module connects directly to the native app of Smart Home devices (e.g., Amazon Alexa, SmartThings, Apple HomeKit). Through the Wi-Fi network, the device can be controlled from anywhere in the house. Control and customization of lighting through voice assistants and smartphones: intuitive and suitable even for non-expert users, thanks to an easy and immediate setup process that involves simply scanning the QR code present on the module.





Low power consumption wireless protocol

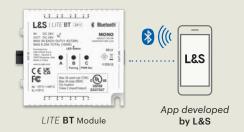
With the new ZigBee control module, our lighting devices communicate with other smart home devices (e.g., plugs, locks, and smart bulbs) through a compatible bridge (e.g., Philips Hue) in a reliable low-energy consumption mesh network. Quick and precise control of lighting via smartphone using the native app of the bridge or through voice assistants compatible with the ZigBee 3.0 protocol.

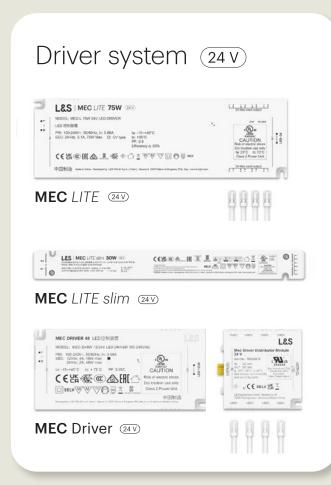


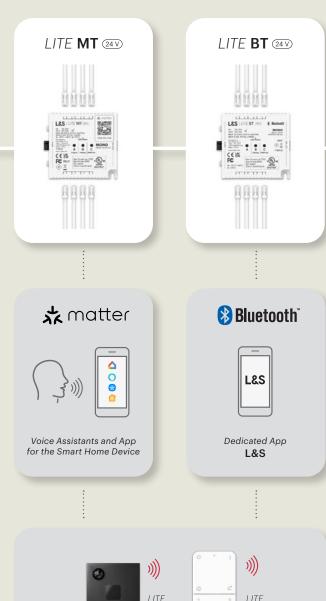
₿ Bluetooth™

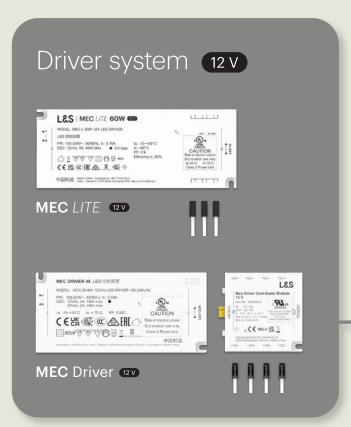
The solution for smartphones simple and accessible

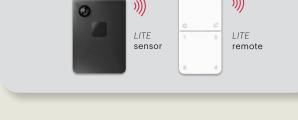
The most well-known and familiar technology, now with the new LiteBT module, allows for the integration of our devices into the smart management of the home: through the dedicated app developed by L&S, light management is simple and immediate. Customized lighting, intensity adjustment, and real-time lighting scenes are just a tap away on your smartphone.



















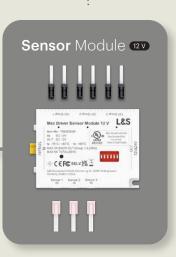






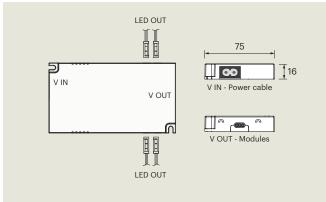






MEC LITE POWER SUPPLY (24V)





POWER SUPPLY MODULE FOR LED LIGHTS

V IN: 100-240V AC WIDE INPUT / V OUT: 24V DC

24V LED power supply system, complete with an integrated power distributor for LED lights (the number of outputs varies based on the power supplied). Wide Input voltage of 100-240V AC: the 150W model is available exclusively with an input voltage of 240V. Choose the power cable (sold separately) according to the type of plug suitable for your target market.

Modular design: Remote control modules can be connected to create endless solutions (ensure the same 24V power supply is maintained for all connected modules).

Compatible with all MEC Driver 24 modules.

V OUT	VIN	W	OUT	L (mm)	CODE
24 V) DC	100-240V AC	20W	4	135mm	750800340
		40W	6	190mm	750800341
		60W	6	190mm	750800342
		75W	8	240mm	750800343
		96W	8	240mm	750800344
	220-240V AC	150W	8	240mm	750800345

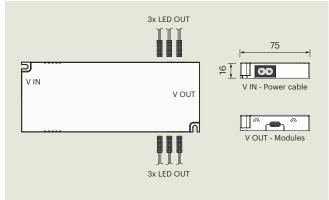
POWER CABLE



CODE	PLUG	L (mm)	V IN / OUT
12606660100	UK	2000mm	100-240V AC
12606670100	CN		
12606680100	AU		
12606690100	US		
12606710100	EU		
12606720100	KR		

MEC LITE POWER SUPPLY (12V)





POWER SUPPLY MODULE FOR LED LIGHTS

V IN: 100-240V AC WIDE INPUT / V OUT: 12V DC

12V LED power supply system, complete with an integrated 6-way power distributor for LED lights. Wide Input voltage of 100-240V AC: choose the power cable (sold separately) according to the type of plug suitable for your target market.

Modular design: remote control modules can be connected to create endless solutions (ensure the same 12V power supply is maintained for all connected modules).

Compatible with all MEC Driver 24 modules.

V OUT	V IN	W	OUT	L (mm)	CODE
12 V DC	100-240V AC	40W	6	190mm	750800346
		COM	6	100 00 00	750000247

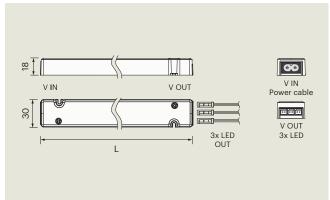
POWER CABLE



CODE	PLUG	L (mm)	V IN / OUT
12606660100	UK	2000mm	100-240V AC
12606670100	CN		
12606680100	AU		
12606690100	US		
12606710100	EU		
12606720100	KR		

MEC LITE Slim POWER SUPPLY (24V) (ELIS (COM) EHL (COM) EAD (COM) SELV (COM) EHL (





POWER SUPPLY MODULE FOR LED LIGHTS

V IN: 100-240V AC WIDE INPUT / V OUT: 24V DC

24V LED power supply system, complete with an integrated 3-way power distributor for LED lights, featuring a reduced width of 30mm. Wide Input voltage of 100-240V AC: choose the power cable (sold separately) according to the type of plug suitable for your target market. Use the appropriate adapter cable (sold separately) for connecting to control modules (ensure the same 24V power supply is maintained).

Compatible with all MEC Driver 24 modules.

V OUT	V IN	W	OUT	L (mm)	CODE
24 V) DC	100-240V AC	30W	3	288mm	750800212
		60W	3	320mm	750800213
		96W	3	320mm	750800214

POWER CABLE

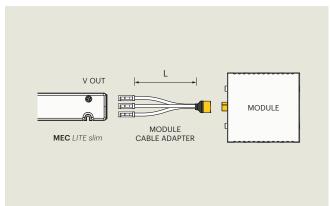


CODE	PLUG	L (mm)	V IN / OUT
12606660100	UK	2000mm	100-240V AC
12606670100	CN		
12606680100	AU		
12606690100	US		
12606710100	EU		
12606720100	KR		

MEC LITE slim POWER CABLE (24V)

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ADAPTER CABLE FOR CONNECTING CONTROL MODULES V IN/OUT: 24V DC

For connecting the MEC LITE slim power supply system to 24V Control Modules.

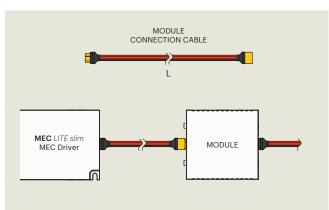
V IN / OUT	MAX LOAD	L (mm)	CODE
(24 V) DC	5A Total	100mm	910300031

MODULE CABLE CONNECTION CABLE (24V)



(€ <u>ℤ</u>





CONNECTION CABLE FOR CONTROL MODULES

V IN/OUT: 12-24V DC

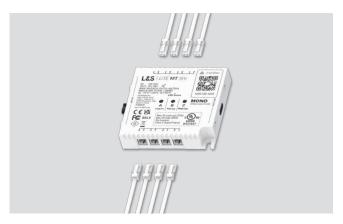
For connecting MEC LITE / LITE slim and MEC Driver power supply systems to Control Modules; suitable also for Module-to-Module connections.

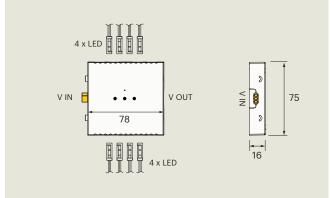
V IN / OUT	MAX LOAD	L (mm)	CODE
24 V) / 12 V DC	5A Total	100mm	940600484
		500mm	940600485
		1000mm	940600486

LITE MT 8 WAYS MODULE (24 V)









CONTROL MODULE FOR 24V LED LIGHTSSingle Radio Frequency Channel - 2.4GHz ON-OFF / Dimmer / Color Temperature (EDC)

Simultaneous control up to 8 LED lights using compatible radio frequency transmitters or via *Matter* protocol to connect the module to the native app of the Smart Home device in use (e.g., Amazon Alexa, SmartThings, Apple HomeKit). Available for MONO LED or EDC Dual Color lights. Maintain the same operating voltage of 24V for all connected modules in a continuous line.

VIE	MAX LOAD	VIN	LED	CODE
8	150W Total	24 V DC	MONO	756200640
	72W Single way		EDC	756200645

COMPATIBLE TRANSMITTERS



LITE sensor



LITE remote

REMOTE CONTROL













Control via voice assistant or smartphone through the Wi-Fi network: direct connection to the native app of Smart Home devices through a simple scan of the QR code printed on the module

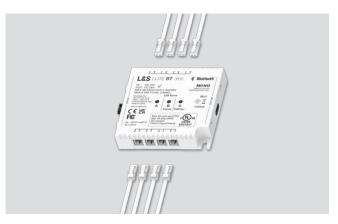


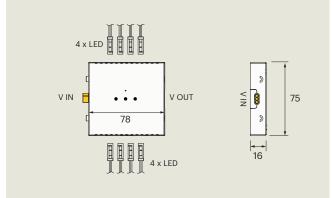
Control via 2.4GHz radio frequency transmitters











CONTROL MODULE FOR 24V LED LIGHTSSingle Radio Frequency Channel - 2.4GHz ON-OFF / Dimmer / Color Temperature (EDC)

Simultaneous control up to 8 LED lights using compatible radio frequency transmitters or via *Bluetooth* with a smartphone. Available in versions for MONO LED or EDC Dual Color. Maintain the same operating voltage of 24V for all connected modules in a continuous line

VIE	MAX LOAD	V IN	LED	CODE
8	150W Total	(24 V) DC	MONO	
	72W Single way		EDC	

COMPATIBLE TRANSMITTERS



LITE sensor



LITE remote

REMOTE CONTROL













Control via smartphone with the Bluetooth app developed by L&S, available for free download from the App Store and Google Play



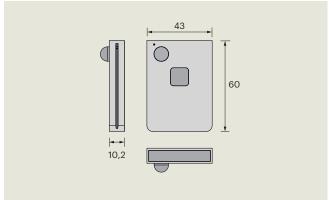
Control via 2.4GHz radio frequency transmitters

LITE sensor ALL-IN-ONE SENSOR

SENSORS AND CONTROLLERS

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2.4GHZ RF MULTIFUNCTION SENSOR

MONO/EDC - Range: 20m (indoor)

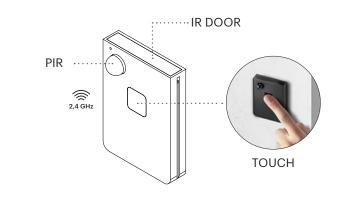
All-in-one multifunction sensor with 1 channel; simultaneously manages all lights connected to compatible *LITE* control modules.

Recessed or surface-mounted/wall-mounted using the included installation accessories, *LITE* **sensor** can be configured for use as:

- PIR Motion Sensor
- IR Door sensor
- TOUCH Transmitter

CHANNELS / LED CONTROLS CODE 1 CHANNEL ON-OFF / Dimmer 756200636 MONO/EDC Color temperature (EDC)

FUNCTIONS



COMPATIBLE MODULES

BATTERY INCLUDED

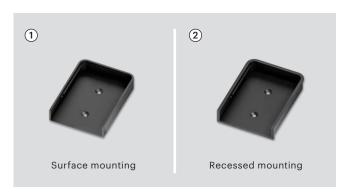


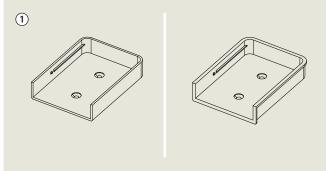
LITE MT LITE BT



CR2450 3V (3 year)

INSTALLATION ACCESSORIES



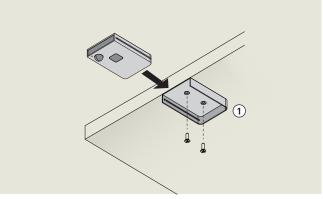


LITE sensor | CONTROLS AND SETTINGS

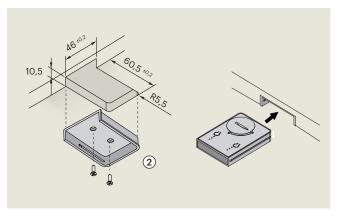
SINGLE PRESS ON / OFF TOUCH LONG PRESS Α В **Progressive Dimmer** SINGLE PRESS Operating mode selection IR (door) / PIR / Touch **BUTTON A** LONG PRESS Compatible Receiver Module pairing TOUCH SINGLE PRESS **Auto-OFF Timing setting** IR/PIR: 30s / 60s / 300s **BUTTON B** LONG PRESS Color Temperature adjustments FRONT ВАСК (EDC LED Only) LONG PRESS A + B Receiver Module un pairing

LITE sensor | INSTALLATION OPTIONS



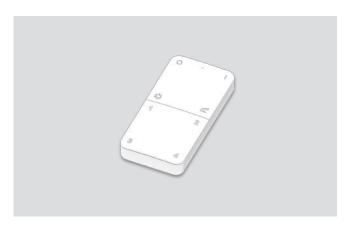


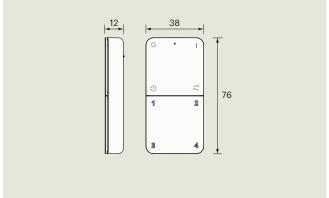




LITE remote TRANSMITTER

SENSORS AND CONTROLLERS



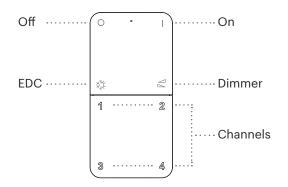


2.4GHz RADIO FREQUENCY TRANSMITTER MONO/EDC - Range: 20m (indoor)

Radio transmitter with the possibility to manage and memorize up to 4 independent channels; individually controls all lamps connected to compatible Smart control modules (up to 6 modules).

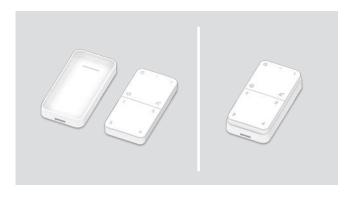
CHANNELS / LED	CONTROLS	CODE
4 CHANNELS MONO/EDC	ON-OFF / Dimmer Color temperature (EDC)	756200639

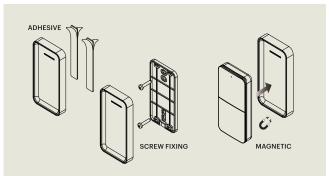
FUNCTIONS



COMPATIBLE MODULES BATTERY INCLUDED LITE MT LITE BT CR2032 3V (3 years)

WALL SUPPORT



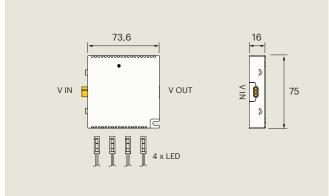


ZigBee Module 1 CHANNEL (21) / 24V









CONTROL MODULE FOR 24V LED LIGHTS

Single Radio Frequency Channel - 2.4GHz ON-OFF / Dimmer / Color Temperature (EDC)

Simultaneous control of up to 4 LED lamps with compatible radio frequency transmitters, can be used with MONO or EDC Dual Color LEDs (mode setting via on board DIP Switch). The module works with the **ZigBee** wireless protocol and can be connected with other Smart Home devices in a reliable low-energy consumption mesh network through a compatible Bridge (e.g., Philips Hue - not included)

WAYS	LED	VIN	MAX LOAD	CODE
4	MONO EDC	(24 V) DC	120W Total 72W Single way	on request
		12 V DC	60W Total 36W Single way	on request

COMPATIBLE TRANSMITTERS



4 Channel remote



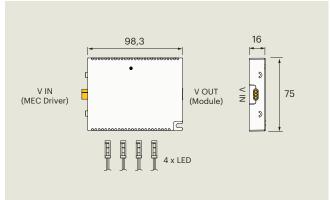
Philips Hue is a registered trademark of Koninklijke Philips N.V

ZigBee Module 4 CHANNELS (24)









CONTROL MODULE FOR 24V LED LIGHTS

4 Radio Frequency Channels - 2.4GHz ON-OFF / Dimmer / Color Temperature (EDC)

Individual control of up to 4 LED lamps with compatible radio frequency transmitters, can be used with MONO or EDC Dual Color LEDs (mode setting via on board DIP Switch). The module works with the **ZigBee** wireless protocol and can be connected with other Smart Home devices in a reliable low-energy consumption mesh network through a compatible Bridge (e.g., Philips Hue - not included)

CODE	MAX LOAD	VIN	LED	WAYS
on request	120W Total 72W Single way	(24 V) DC	MONO EDC	4
on request	60W Total 36W Single way	12 V DC		

COMPATIBLE TRANSMITTERS



4 Channel remote



Philips Hue is a registered trademark of Koninklijke Philips N.V

4 channel remote TRANSMITTER





SENSORS AND CONTROLLERS

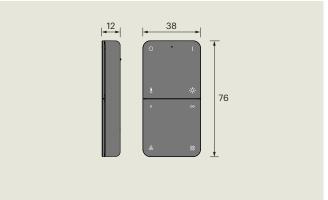




2.4GHz RADIO FREQUENCY TRANSMITTER

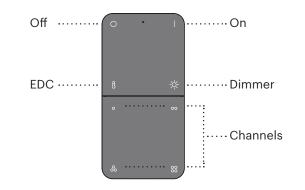
MONO/EDC - Range: 20m (indoor)

4 independent channel radio transmitter, compatible for integration in ZigBee networks. Compatible with 1-channel *ZigBee* control modules (individual control of multiple modules paired on transmitter's channels) or 4-channel ZigBee control modules (individual control of the lamps connected to the module). It is possible to pair up to 6 compatible modules with each transmitter.



CHANNELS / LED	CONTROLS	CODE
CHANNELS	ON-OFF / Dimmer	on request
		CHANNELS ON-OFF / Dimmer

FUNCTIONS



COMPATIBLE MODULES

BATTERY INCLUDED



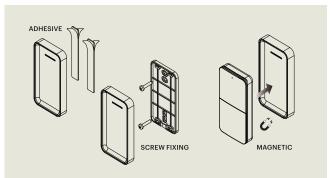
 $\textbf{ZigBee} \, \mathsf{Module} \, \mathsf{1}$ **ZigBee** Module 4



CR2032 3V (3 years)

WALL SUPPORT



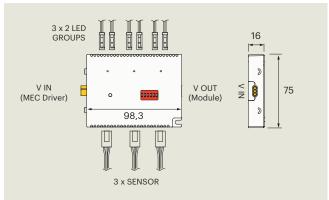


Sensor Module 3x2 WAYS 12V / 24V









2.4 GHZ RADIO FREQUENCY MODULE WITH CABLED SENSORS 3 Radio Channels / 3 Sensor Inputs ON-OFF / Dimmer / Color Temperature (EDC)

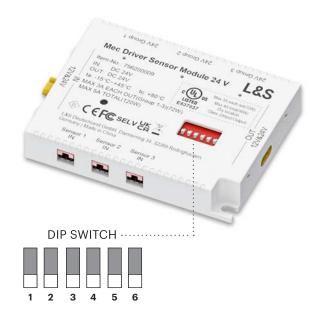
Control module with 3 LED Output Groups (3x2 ways) controllable via Cabled Sensors (3 inputs) or Wireless Sensors (3 channels). Using the built-in DIP Switch it is possible to set the switching mode, the color temperature of the connected lamps (only with Dual Color LEDs) and the automatic switch-off timer (for PIR or IR swing door sensors). Range: 20m (indoor)

All sensors are sold separately

WAYS	LED	VIN	MAX LOAD	CODE
3x2*	MONO EDC	(24 V) DC	120W Total 72W Single way	on request
		12 V DC	60W Total 36W Single way	on request

^{*} Each group of 2 LED outputs (3 groups total) is associated with a specific Wireless channel and a specific input for cabled sensors

Sensor Module | switching modes



GROUP SWITCHING

Each group of LED outputs is controlled by the corresponding sensor / switch

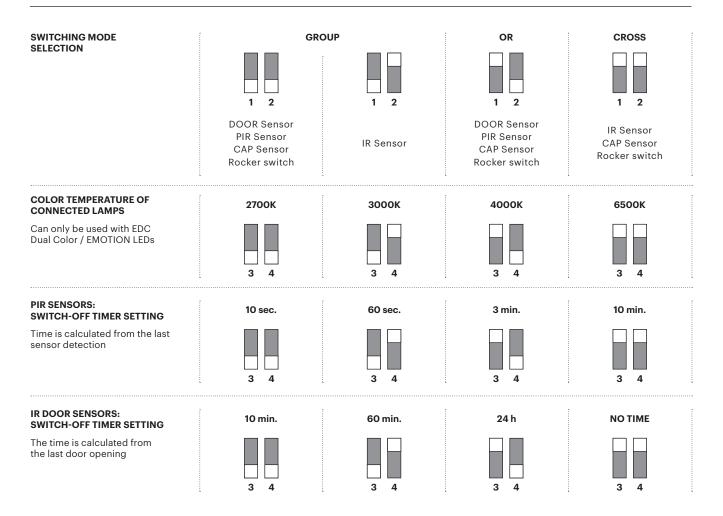
OR SWITCHING

For PIR or IR Door sensors: all LED outputs are switched together, regardless of the sensor activated. If more than one sensor is activated, the connected LED devices will remain on: all sensors must be deactivated to switch the devices off

CROSS SWITCHING

Each sensor / switch controls all connected LED devices simultaneously

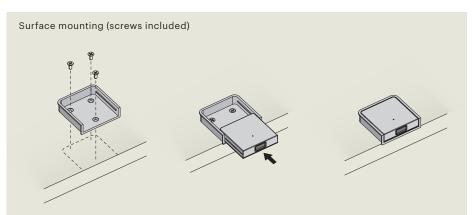
Sensor Module | DIP SWITCH SETTINGS

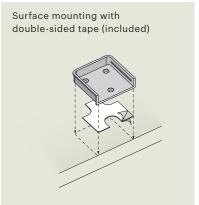


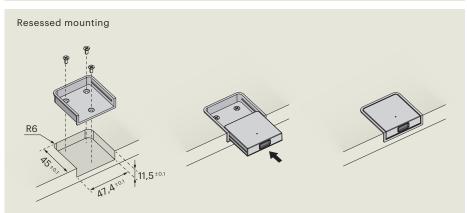
Sensor Module | wireless sensors 2,4 GHz

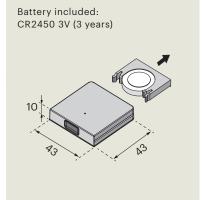


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IR DOOR Wireless battery operated Door Sensor (ON-OFF) Recessed or surface installation with included spacer

Available in Black or White Dimensions: 43 x 43 x 10 mm



on request

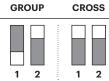
CODE



IR SENSOR

Wireless battery operated IR Sensor (touch switch) Recessed or surface installation with included spacer. ON-OFF / Dimmer

Available in Black or White Dimensions: 43 x 43 x 10 mm



on request

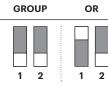
CODE



PIR SENSOR

Wireless battery operated PIR Motion Sensor (ON-OFF). Recessed or surface installation with included spacer

Available in Black or White Dimensions: 43 x 43 x 23 mm

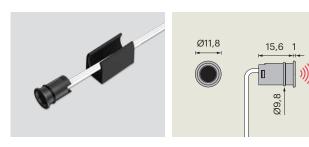


on request

CODE

Sensor Module | 2000mm CABLED SENSORS

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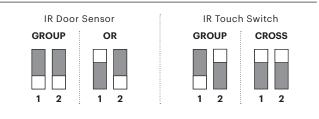


IR SENSOR / DOOR SENSOR

Mini cabled Sensor for recessed or surface installation with spacer (sold separately). Can be used as:

- IR Door Sensor (ON-OFF)
- IR Sensor (touch switch, ON-OFF / Dimmer)

Hole: Ø10mm / Range: 50mm max

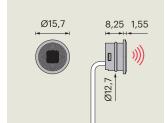


IR / DOOR Sensor (2000mm cable)

on request

Spacer on request



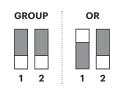


PIR SENSOR

Mini cabled Motion Sensor (ON-OFF) for recessed installation. Surface installation with swiveling spacer (sold separately)

Hole: Ø13mm

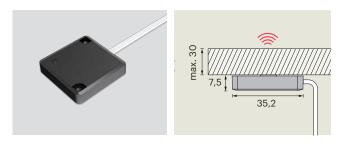
Distance / Detection angle: 3000mm max. / 70



PIR Sensor (2000mm cable)

on request

Spacer on request



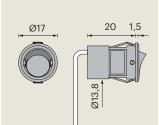
CAP SENSOR

Cabled touch pad for hidden installation behind wooden, glass or ceramic surfaces (e.g. under kitchen countertop).
Installation by screws or double-sided tape (included)

Dimensions: 35,2 x 35,2 x 7,5 mm

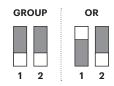
Maximum surface thickness: 30 mm max.





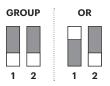
ROCKER SWITCH

Mini cabled rocker switch (ON/OFF) for recessed mounting Hole: Ø14mm



CAP Sensor (2000mm cable)

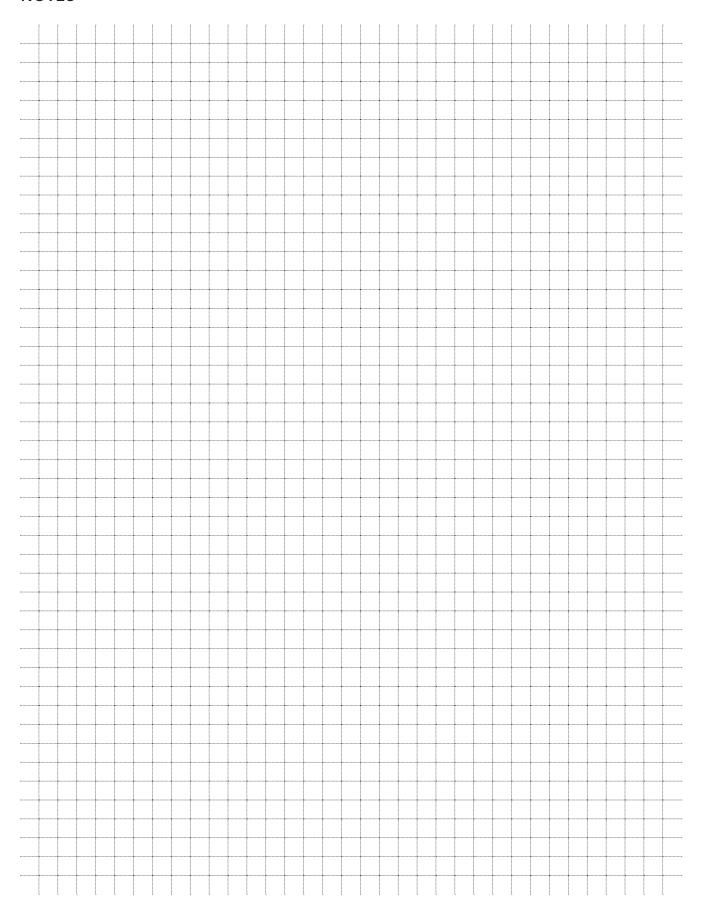
on request

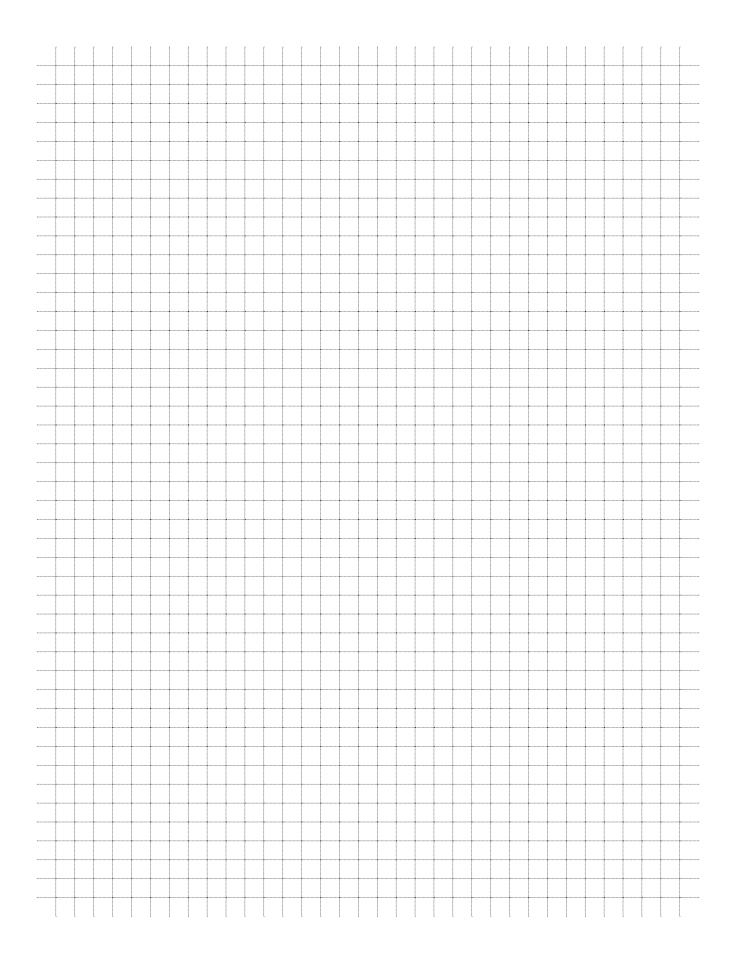


Rocker swicth (2000mm cable)

on request

NOTES





The information present in this catalog may be subject to errors. The articles, their characteristics, data and dimensions found therein are not binding and may be subject to change without prior notice from the company.

HEADQUARTERS

OUR SUBSIDIARES

ITALY

Brugnera

Via L. Zanussi, 8 Maron di Brugnera (PN) +39 0434 616611 info@ls-light.com

Varese

Via Pacinotti, 54 Varese (VA) +39 0332 491247 info@formaefunzione.com

Tavullia

Via del Lavoro, 4 Tavullia (PU) +39 0721 901123 info@italpek.it

Recanati

Via Armando Cingolani, 13 Zona Ind.le P.I.P. Sambucheto di Recanati Recanati (MC) +39 071 0960086 sales@fluxitalia.com

GERMANY

L&S Deutschland GmbH Daimlerring, 34 Rödinghausen +49 5223 8790-0 info@ls-light.de

CHINA

LS Lighting Equipment (Shanghai) Co., Ltd. No. 255, LongPan Rd., Malu Town, Jiading District, Shanghai +86 O21 69 15 67 91 info.china@ls-light.com

UNITED STATES

L&S Lighting Corporation 1505 Pavilion Place, Suite A Norcross, Georgia +1 877 877 0757 info.us@ls-light.com

LS-LIGHT.COM