DIY

CARLO CASAGRANDE & CO

The ready-to-light platform,
easy, smart, integrated



L&S

Moove

The free cut family

"Free cut" lamps collection, customizable to the millimeter, to be independently assembled

Moove is a versatile DIY lighting system, ideal for enhancing any furniture in an easy and intuitive way. The collection includes various aluminum profiles that can be cut to size, supplied in 3m lengths complete with a polycarbonate diffuser: each profile incorporates a new state of the art "free cut" LED strip, which can be cut together with the profile at any point without cutting pitch constraints or loss of functionality. A solution with no material wasting, in which each cut section can be used, by means of practical "plug&play" power connectors, to create customized lamps down to the millimeter with a "full light" effect without shadow areas.

IDEAL FOR

- Wardrobe cabinets
- Undercabinet
- Shelf

FEATURES

- "plug&play" system
- easy installation/ replacement
- cuttable to size
- integrated control



A complete range for every need

The Moove lamp collection includes various lighting solutions: a complete range of products to enhance furniture, for horizontal or vertical installation.
Moove 1 is a practical protruding profile, easy to install in any context without milling operations, ideal for refitting existing furniture; Moove 2 is a small dimensions recessed profile with adjustable light beam, ideal for vertical installations inside the cabinet's sides; Moove 3 is a versatile recessed profile, complete with various accessories for use in any environment; Moove 4 is a flexible LED Reel for recessed installation, only 4mm wide, whilst Moove 5 is the ideal solution for lighting drawers or inside kitchen base units.



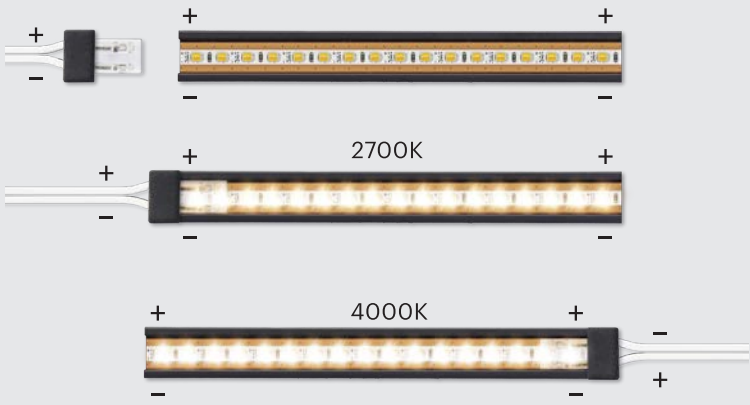
Plug & play power supply, integrated control and accessories

The cabled plug & play power connector, available for each Moove version, allows the creation of customized lamps in a simple, intuitive and safe way: a solution without the need to solder the LED that makes the installation of the device in the cabinet easier, also facilitating its possible replacement. The new integrated controls systems, functional and elegant, widen the lamp's istallation scenarios, while the range of accessories allows the in-line connection of multiple lamp sections, an intelligent solution that avoids material waste.



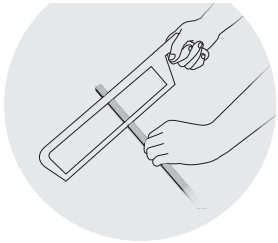
Preassembled Dual Color LED, "full light" without shadows

DIY lamps customized to the millimeter, with "full light" effect without shadow areas thanks to the pre-assembled LED Strip, cuttable at any point without loss of functionality together with the profile. The color temperature varies from 2700K to 4000K by inverting the insertion side of the power connector or via remote light control systems.



Cut, connect... create!

1



Cut the profile
to size together with
the diffuser

2



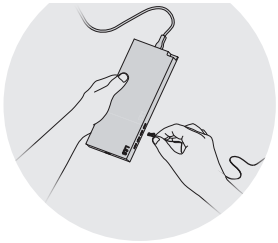
Carefully remove
any aluminum burrs,
dust, debris or shavings

3



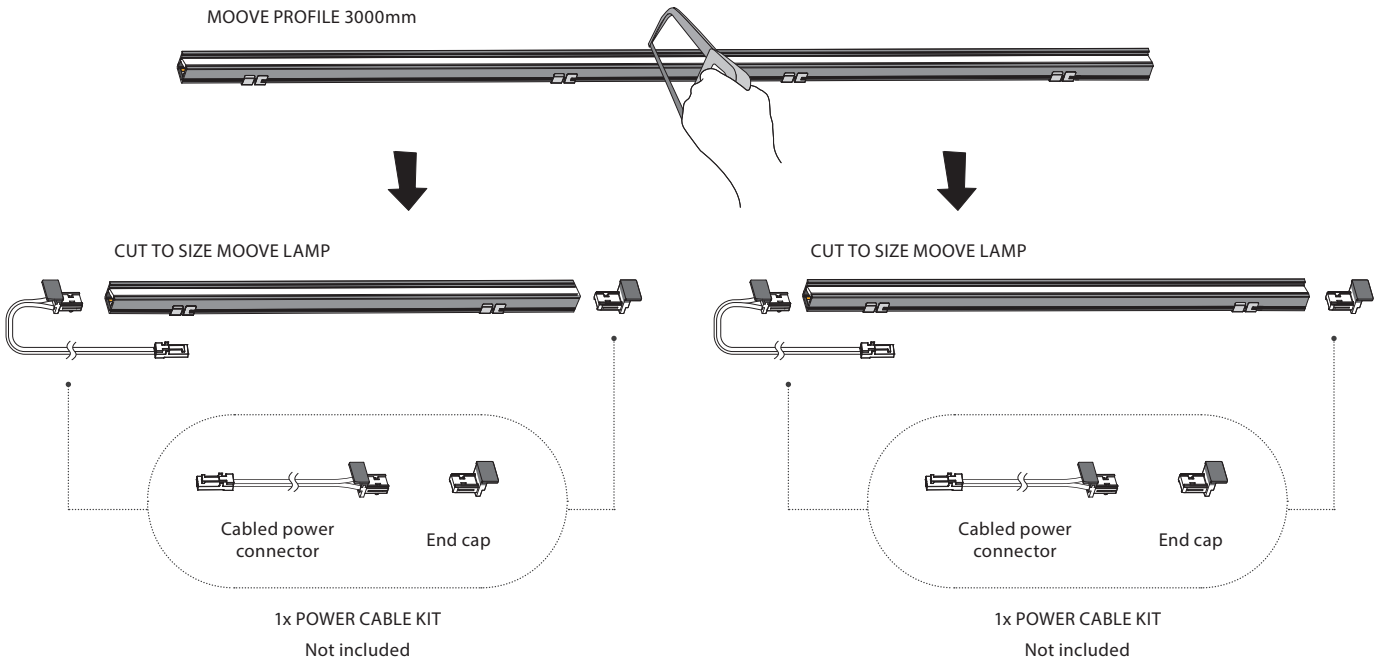
Use the plug & play
Power Kit to assemble
the lamp

4



Connect MOOVE to
the MEC LITE
power supply system

Each cut section can be used to assemble customized lamps down to the millimeter

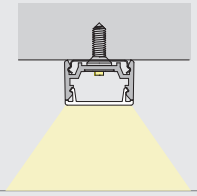
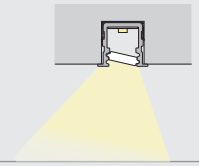
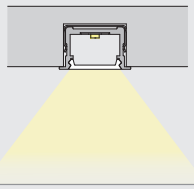
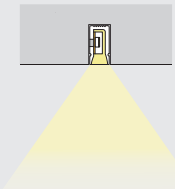
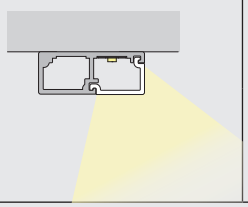


1x POWER CABLE KIT
Not included

1x POWER CABLE KIT
Not included

Note for cutting Moove profiles: use tools suitable for aluminum cutting and execute a precise and clean cut, carefully removing any aluminum burrs, dust, debris or shavings

Free Cut Family

		Power supply and accessories					Optional switching systems			
		Alimentazione PLUG & PLAY	Bridge	L - Connector	Soft Link	Clip di fissaggio	IRS IR Sensor	PIR Motion sensor	TCS Touch Switch	IRD Door Sensor
Moove 1 P.8 SURFACE MOUNTING Direct light emission		●	●		●	●	●	●	●	
Moove 2 P.12 RECESSED MOUNTING Adjustable light beam orientation		●	●	●		●	●			
Moove 3 P.16 RECESSED MOUNTING Direct light emission		●	●	●		●	●	●	●	
Moove 4 P.20 RECESSED MOUNTING Flexible LED Reel with direct light emission		●			●					
Moove 5 P.24 SURFACE MOUNTING Oriented light emission		●				●				●



Moove 1 FREE CUT

IP20

Cuttable to size surface mounted lamp with direct light beam.





FREE CUT - PLUG&PLAY

3000mm aluminium profile, complete with integrated LED and pre-assembled opal diffuser.

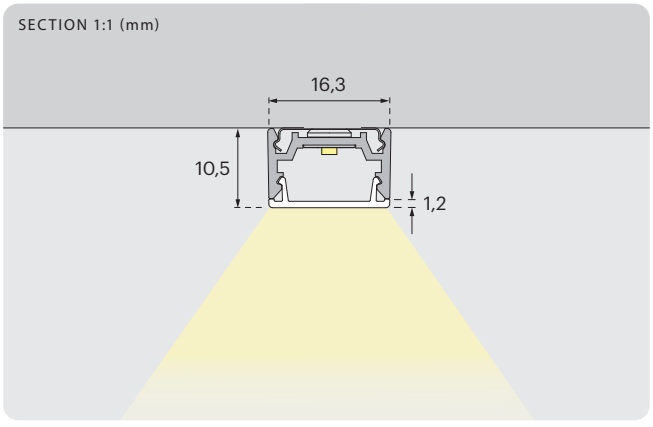
Can be cut to size freely at any point without losing LED functionality: each cut section can be used to create a lamp by means of power cable KIT or plug & play switching systems (not included).

INTENDED USE

Ideal for lighting undercabinet, shelves and the interior of wall units, wardrobes and walk-in closets.

Easy installation with fixing clips, no furniture milling required: ideal for refitting and integration into existing furniture.

SECTION 1:1 (mm)



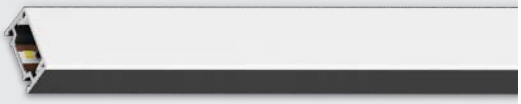
ACCESSORIES

- Complete range of Integrable plug & play sensors: IRS / PIR / TCS
- Accessories for in-line connection of multiple lamp segments.

FINISHES

Available in black finish.

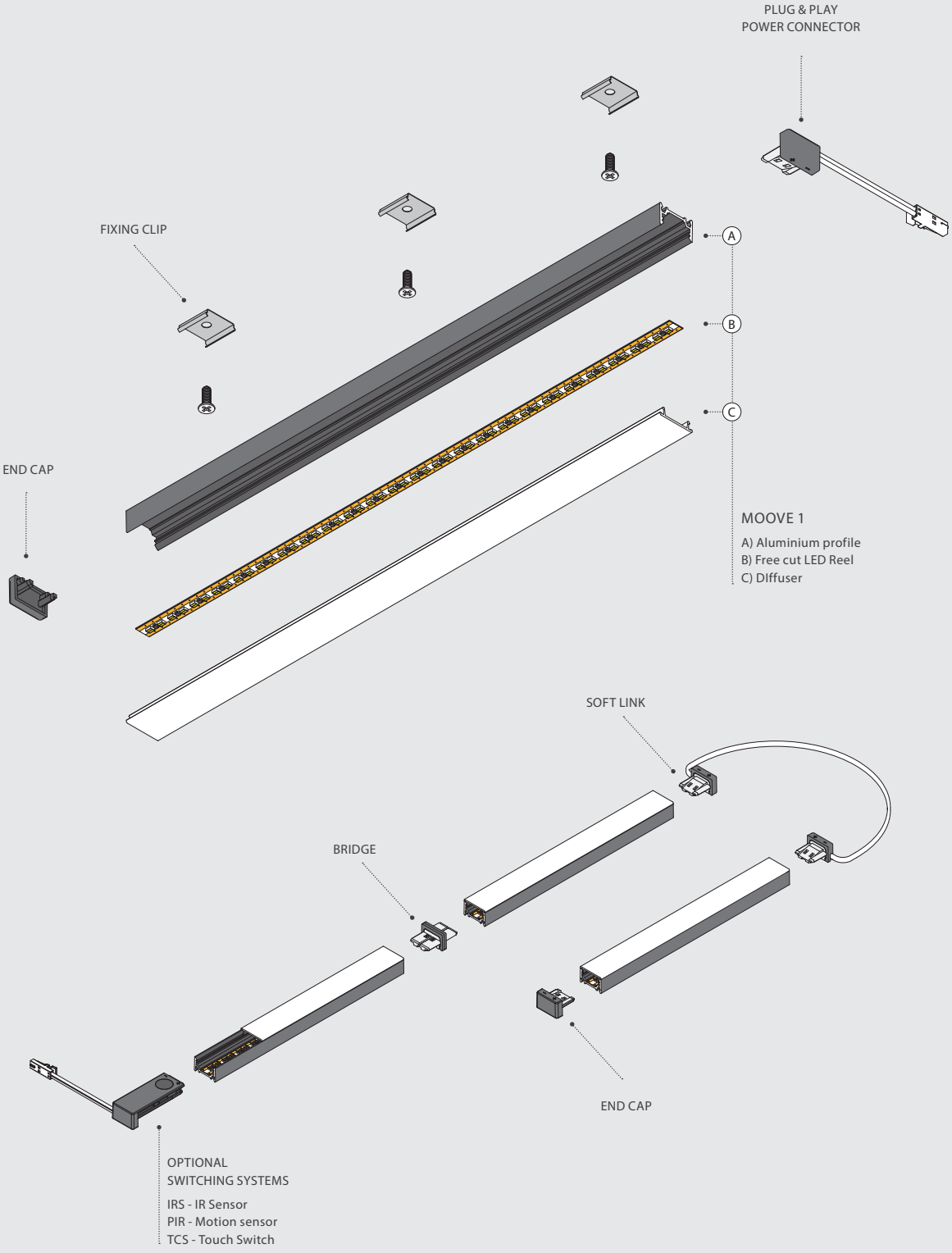
BLACK 03



WDC DUAL COLOR

Color temperature varies from 2700K to 4000K
by reversing the insertion side of the power
connector or the chosen optional switching system.



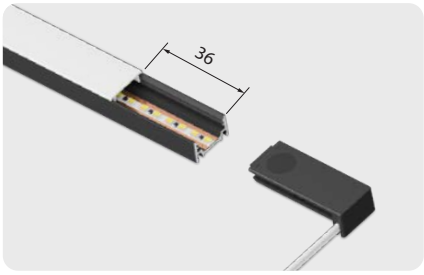


Moove 1 FREE CUT

24 V | WDC | IRS | PIR | TCS







SWITCHING AND CONTROL SYSTEMS

WITHOUT SWITCHING SYSTEM P.42

On-Off control via switched outlet.

Color temperature varies from 2700K to 4000K by reversing the insertion side of the power connector or the chosen optional switching system.

Can be used with Smart Home control solutions, transmitters or cabled switching systems for On-off, dimming and color temperature adjustment.

POWER SUPPLY

MEC Lite

"Ready-to-light" power supply system with integrated distributor.

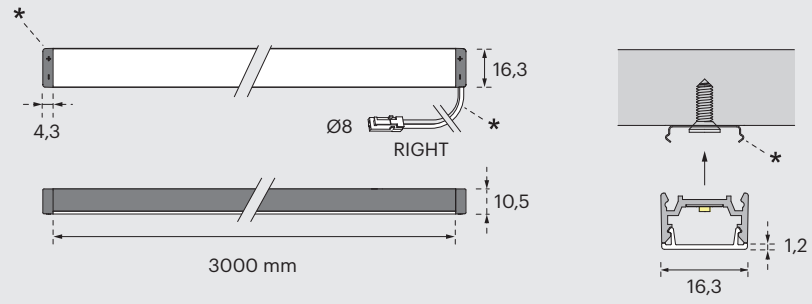
NOT INCLUDED

MEC LITE P.30



MOOVE 1	WDC DUAL COLOR	FINISH	L	W	CODE
WDC Light Source.	24 V	03 black	3000 mm	30W	561400001
Aluminium profile with integrated LED and diffuser. Without switching system.	LED 10W/m				
Purchase separately (side page) the following accessories, required to complete the Moove 1 profile:	2700K÷4000K				
- Power Cable KIT	820 lm/m				
- Fixing Clips	CRI>90				
	A G				

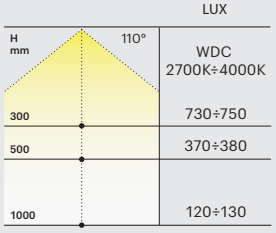
(mm)



* Not included

ILLUMINANCE

Moove 1
1000 mm



Moove 1 FREE CUT

POWER CABLE KIT

KIT with cabled PLUG & PLAY power connector and plastic end cap .
N°2 KITS are required to cut the profile into two custom lamps.

POWER CABLE - RIGHT



Right cable exit 940601818
3000mm

POWER CABLE - LEFT



Left cable exit 940601817
3000mm

OPTIONAL SWITCHING SYSTEMS

KIT with 3000mm cabled PLUG & PLAY sensor (right cable exit) and plastic end cap.
Cut the diffuser 36mm shorter than the aluminium profile to insert the cabled sensor.
MAX: 3A - 72W (Lamp up to 7200mm)

IRS - INFRARED SENSOR



Proximity switch 941300612
ON-OFF / DIMMER (10-100%)Range:
3-6cm

MOTION SENSOR



ON-OFF 941300614
Detection range: 1-3m
Auto OFF: 45sec

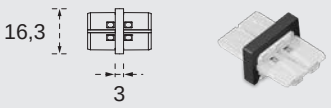
TCS - TOUCH SWITCH



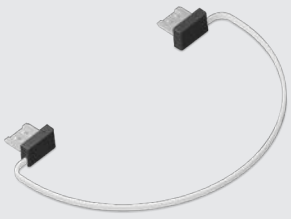
ON-OFF 941300613
DIMMER (10-100%)

ACCESSORIES

BRIDGE CONNECTOR



For linear lamp-to-lamp 750300243
connection



Lamp-to-lamp 940601819
connection cable

FIXING CLIPS KIT



10 PCS (Screws included) 600800261
(n°1 clip each 300mm)

Moove 2 FREE CUT

IP20

Cuttable to size recessed lamp with adjustable light beam orientation.



FREE CUT - PLUG&PLAY

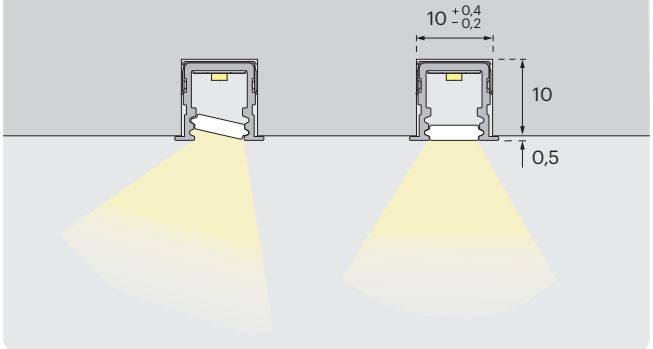
3000mm aluminium profile, complete with integrated LED and removable / repositionable opal diffuser for light beam orientation adjustments and anti-glare effect.

Can be cut to size freely at any point without losing LED functionality: each cut section can be used to create a lamp by means of power cable KIT or plug & play switching systems (not included).

INTENDED USE

Ideal for lighting shelves and wall units or, installed vertically in the side panels, for lighting the interior of tall units, wardrobes and cabinets.

SECTION 1:1 (mm)



ACCESSORIES

- Integrable plug & play IRS sensors.
- Accessories for in-line connection of multiple lamp segments.

FINISHES

Available in black finish.

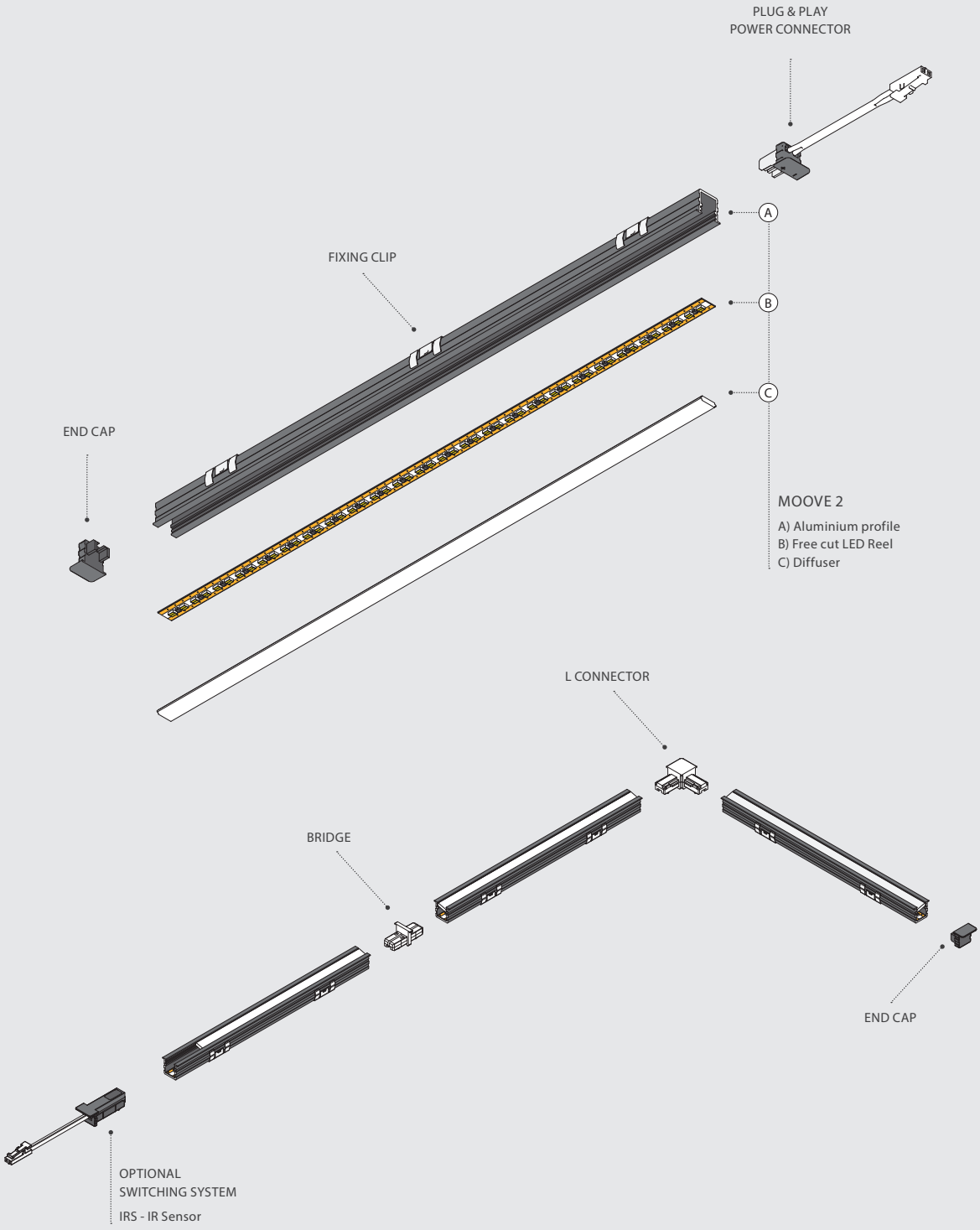
BLACK 03



WDC DUAL COLOR

Color temperature varies from 2700K to 4000K
by reversing the insertion side of the power
connector or the chosen optional switching system.



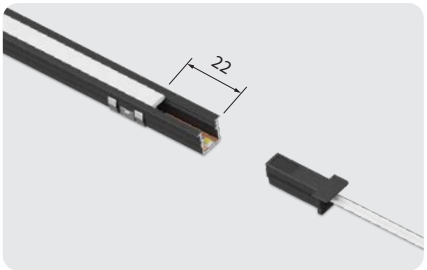


Moove 2 FREE CUT

24 V | WDC | IRS







SWITCHING AND CONTROL SYSTEMS

WITHOUT SWITCHING SYSTEM P.42

On-Off control via switched outlet.

Color temperature varies from 2700K to 4000K by reversing the insertion side of the power connector or the chosen optional switching system.

Can be used with Smart Home control solutions, transmitters or cabled switching systems for On-off, dimming and color temperature adjustment.

POWER SUPPLY

MEC Lite

"Ready-to-light" power supply system with integrated distributor.

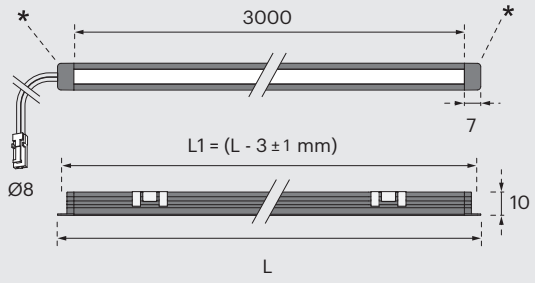
NOT INCLUDED

MEC LITE P.30



MOOVE 2	WDC DUAL COLOR	FINISH	L	W	CODE
WDC Light Source.	24 V	03 black	3000 mm	30W	561500001
Aluminium profile with integrated LED and diffuser. Without switching system.	LED 10W/m				
Purchase separately (side page) the following accessories, required to complete the Moove 2 profile:	2700K÷4000K				
- Power Cable KIT - Fixing Clips	820 lm/m				
	CRI>90				
	A++ G				

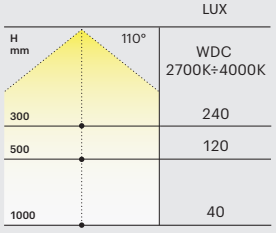
(mm)



* Not included
L1: Milled groove lenght

ILLUMINANCE

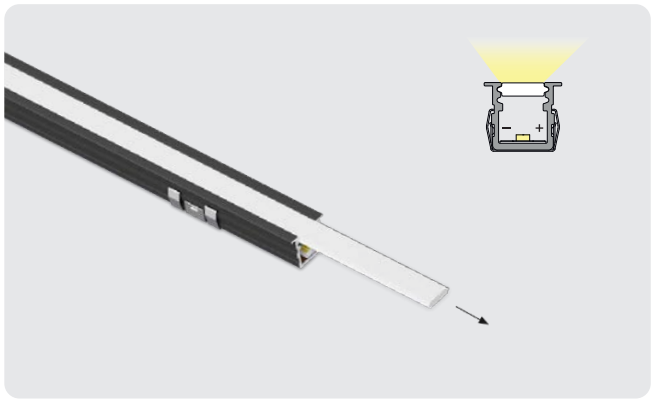
Moove 2
1000 mm

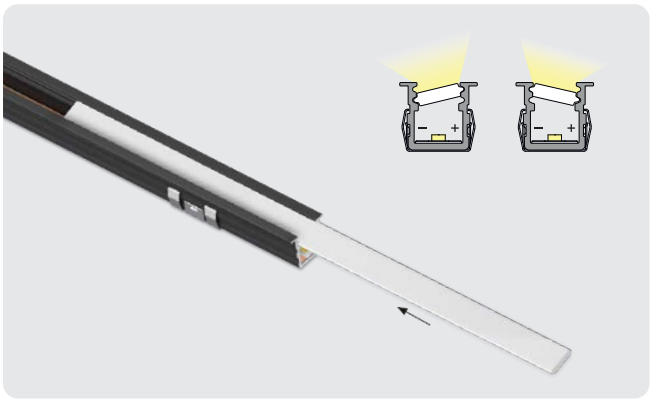


Moove 2 FREE CUT

ADJUSTABLE LIGHT BEAM ORIENTATION

Pull out and rotate the sdiffuser to change the direction of the light beam.
The retracted tilted position of the diffuser ensures anti-glare effect.





POWER CABLE KIT

KIT with cabled PLUG & PLAY power connector and plastic end cap .
N°2 KITS are required to cut the profile into two custom lamps.



Cable 3000mm 940601820

OPTIONAL SWITCHING SYSTEMS

KIT with 3000mm cabled PLUG & PLAY sensor and plastic end cap.
Cut the diffuser 22mm shorter than the profile to insert the cabled sensor.

MAX: 1,5A - 36W (Lamp up to 3600mm)

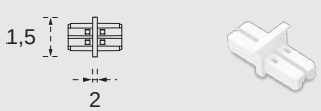
IRS - INFRARED SENSOR



Proximity switch 941300615
ON-OFF / DIMMER (10-100%)Range:
3-6cm

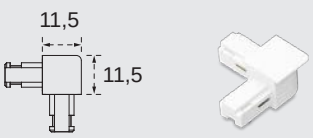
ACCESSORIES

BRIDGE CONNECTOR 01



For linear lamp-to-lamp connection 750300247

L CONNECTOR 01



For lamp-to-lamp corner connection 750300246

FIXING CLIPS KIT



10 PCS 600800262
(n°1 clip each 300mm)

Moove 3 FREE CUT

IP20

Cuttable to size recessed mounted lamp with direct light beam.





FREE CUT - PLUG&PLAY

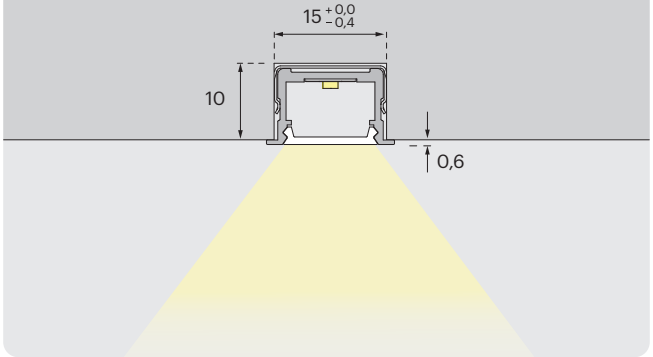
3000mm aluminium profile, complete with integrated LED and pre-assembled opal diffuser.

Can be cut to size freely at any point without losing LED functionality: each cut section can be used to create a lamp by means of power cable KIT or plug & play switching systems (not included).

INTENDED USE

Ideal for lighting shelves and he interior of wall units, wardrobes and walk-in closets.

SECTION 1:1 (mm)



ACCESSORIES

- Complete range of Integrable plug & play sensors: IRS / PIR / TCS
- Accessories for in-line connection of multiple lamp segments.

FINISHES

Available in black finish.

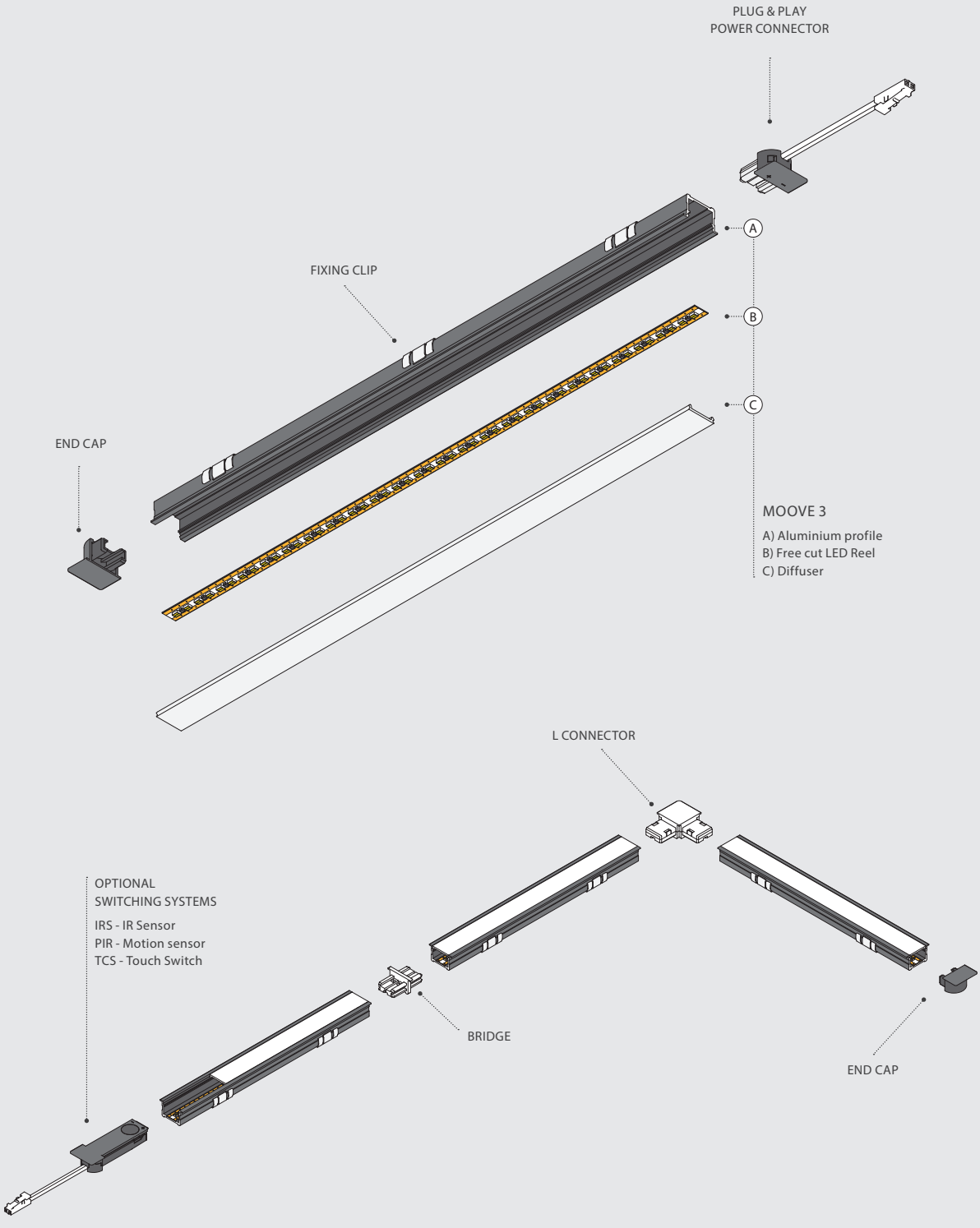
BLACK 03



WDC DUAL COLOR

Color temperature varies from 2700K to 4000K
by reversing the insertion side of the power
connector or the chosen optional switching system.



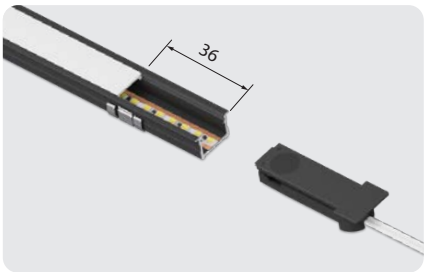


Moove 3 FREE CUT

24 V | WDC | IRS | PIR | TCS







SWITCHING AND CONTROL SYSTEMS

WITHOUT SWITCHING SYSTEM P.42

On-Off control via switched outlet.

Color temperature varies from 2700K to 4000K by reversing the insertion side of the power connector or the chosen optional switching system.

Can be used with Smart Home control solutions, transmitters or cabled switching systems for On-off, dimming and color temperature adjustment.

POWER SUPPLY

MEC Lite

"Ready-to-light" power supply system with integrated distributor.

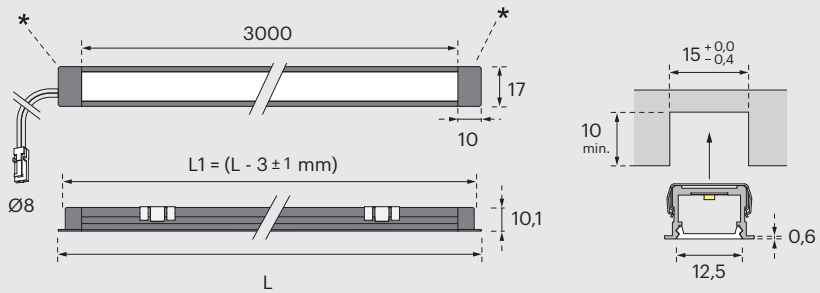
NOT INCLUDED

MEC LITE P.30



MOOVE 3	WDC DUAL COLOR	FINISH	L	W	CODE
WDC Light Source.	24 V	03 black	3000 mm	30W	561600001
Aluminium profile with integrated LED and diffuser. Without switching system.	LED 10W/m				
Purchase separately (side page) the following accessories, required to complete the Moove 3 profile:	2700K÷4000K				
- Power Cable KIT - Fixing Clips	820 lm/m				
	CRI>90				
	A++ G				

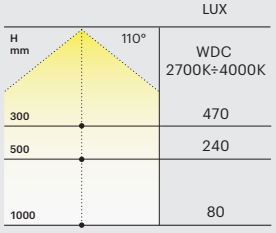
(mm)



* Not included
L1: Milled groove lenght

ILLUMINANCE

Moove 3
1000 mm



Moove 3 FREE CUT

POWER CABLE KIT

KIT with cabled PLUG & PLAY power connector and plastic end cap .
N°2 KITS are required to cut the profile into two custom lamps.



Cable 3000mm 940601821

OPTIONAL SWITCHING SYSTEMS

KIT with 3000mm cabled PLUG & PLAY sensor and plastic end cap.
Cut the diffuser 36mm shorter than the aluminium profile to insert the cabled sensor.
MAX: 3A - 72W (Lamp up to 7200mm)

IRS - INFRARED SENSOR



Proximity switch 941300616
ON-OFF / DIMMER (10-100%)Range: 3-6cm

MOTION SENSOR



ON-OFF 941300618
Detection range: 1-3m
Auto OFF: 45sec

TCS - TOUCH SWITCH



ON-OFF 941300617
DIMMER (10-100%)

ACCESSORIES

BRIDGE CONNECTOR 01



For linear lamp-to-lamp connection 750300245

L CONNECTOR 01



For lamp-to-lamp corner connection 750300244

FIXING CLIPS KIT



10 PCS 600800263
(n°1 clip each 300mm)

Moove 4 FREE CUT

IP20

Cuttable to size recessed mounted flexible LED Reel.





FREE CUT - PLUG&PLAY

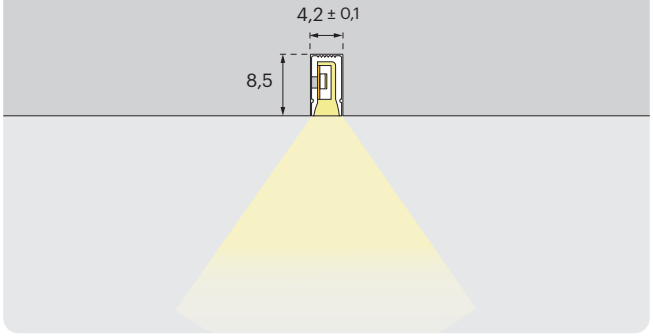
Can be cut to size freely at any point without losing LED functionality: each cut section can be used to create a lamp by means of power cable KIT or plug & play switching systems (not included).

Only 4mm wide, available in 5m and 20m reels.

INTENDED USE

Maximum flexibility in creating a variety of shapes to emphasize the furniture's contours or, installed vertically in the side panels, for lighting the interior of tall units, wardrobes and cabinets.

SECTION 1:1 (mm)



ACCESSORIES

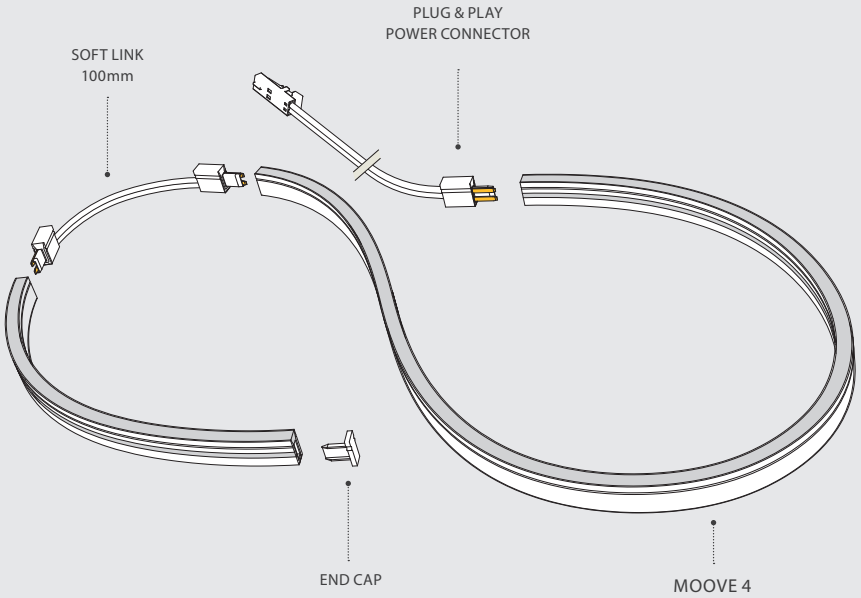
- Accessories for in-line connection of multiple lamp segments.

FINISHES

Available in white finish.

WHITE 01




PLUG & PLAY
POWER CONNECTOR
SOFT LINK
100mm
END CAP
MOOVE 4



Moove 4 FREE CUT

24 V | EDC







SWITCHING AND CONTROL SYSTEMS

WITHOUT SWITCHING SYSTEM P.42

On-Off control via switched outlet.
EDC jumper cable included, for color temperature setting during installation.

Can be used with Smart Home control solutions, transmitters or cabled switching systemsfor On-off, dimming and color temperature adjustment.

POWER SUPPLY

MEC Lite

"Ready-to-light"
power supply system
with integrated distributor.

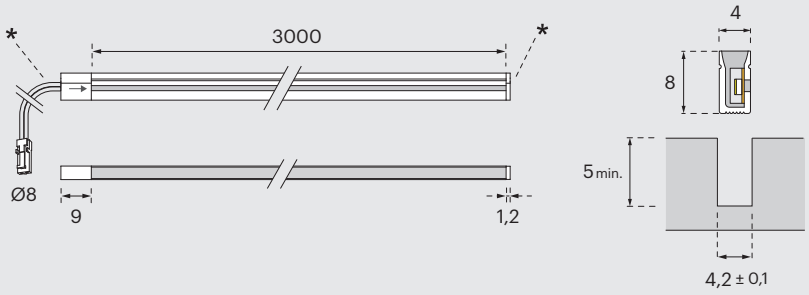
NOT INCLUDED

MEC LITE P.30



MOOVE 4	EDC DUAL COLOR	FINISH	L	W	CODE
EDC Light Source.	24 V	01 white	20 m	200W	751101311
Purchase separately (side page) the Power Cable KIT, required to complete the Moove 4 Strip.	LED 10W/m		5 m	50W	751101329
	3000K÷4000K				
	235 lm/m				
	CRI>90				
	F				

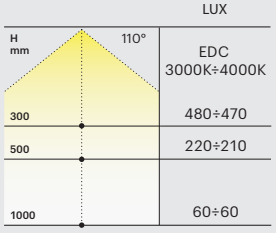
(mm)



* Not included

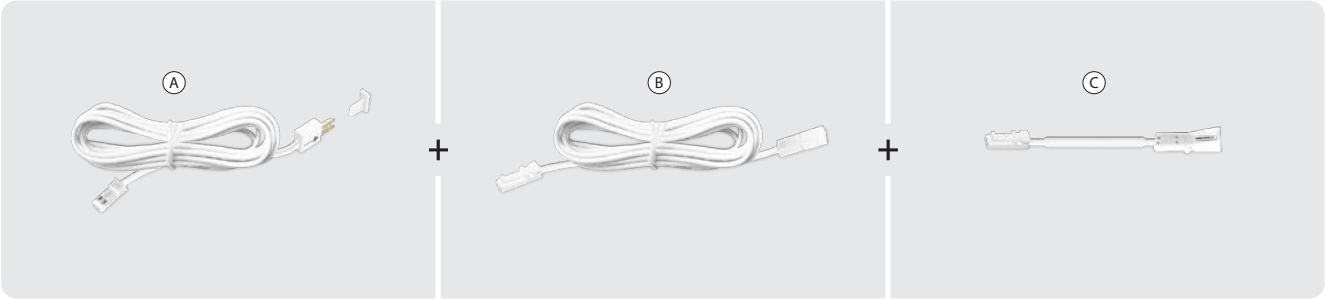
ILLUMINANCE

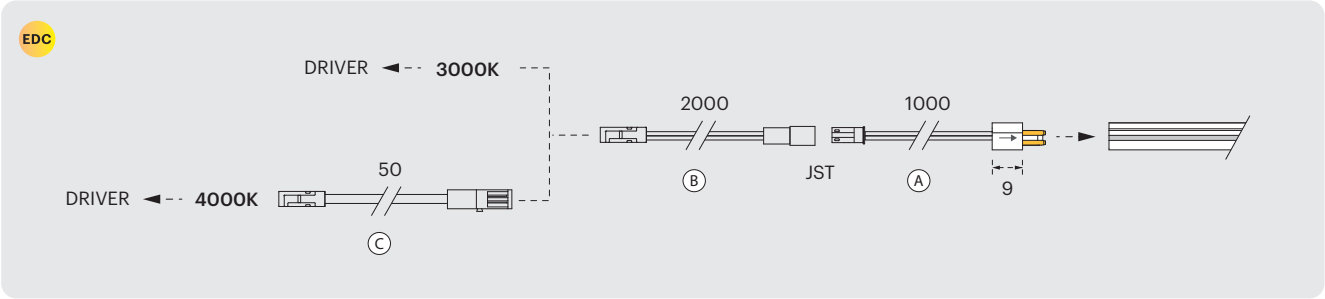
Moove 4
1000 mm



Moove 4 FREE CUT

POWER CABLE KIT



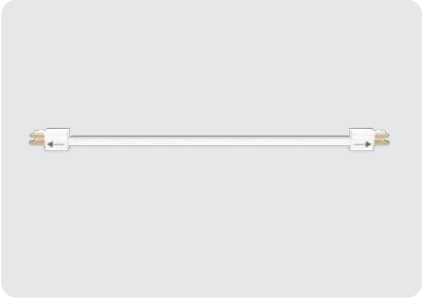


KIT includes: 600300198

- (A) 1000mm cabled PLUG & PLAY power connector and plastic end cap.
- (B) 2000mm extension for Driver connection.
- (C) 50mm EDC Jumper cable (to be applied tat power cable's end for color temperature change).

N°2 KITS are required to cut the LED Reel into two custom lamps.

ACCESSORIES



Lamp-to-lamp connection cable 940601923

Moove 5 FREE CUT

IP20

Cuttable to size surface mounted lamp with oriented light beam.



FREE CUT - PLUG&PLAY

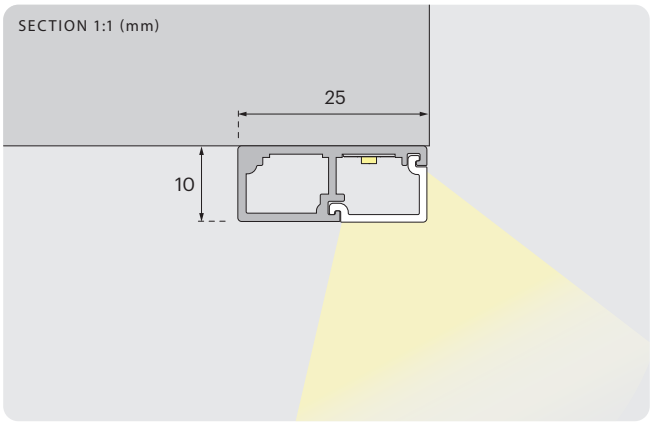
3000mm aluminium profile, complete with integrated LED and pre-assembled opal diffuser.

Can be cut to size freely at any point without losing LED functionality: each cut section can be used to create a lamp by means of electrification KIT and plug & play switching system (not included).

INTENDED USE

Ideal for illuminating drawers and inside kitchen base cabinets; the light beam can be directed towards the inside or outside of the cabinet.

Easy installation with included fixing screws.



ACCESSORIES

- Plug & play IRD Door sensors
- Brackets for cabinet's sides fixing.

FINISHES

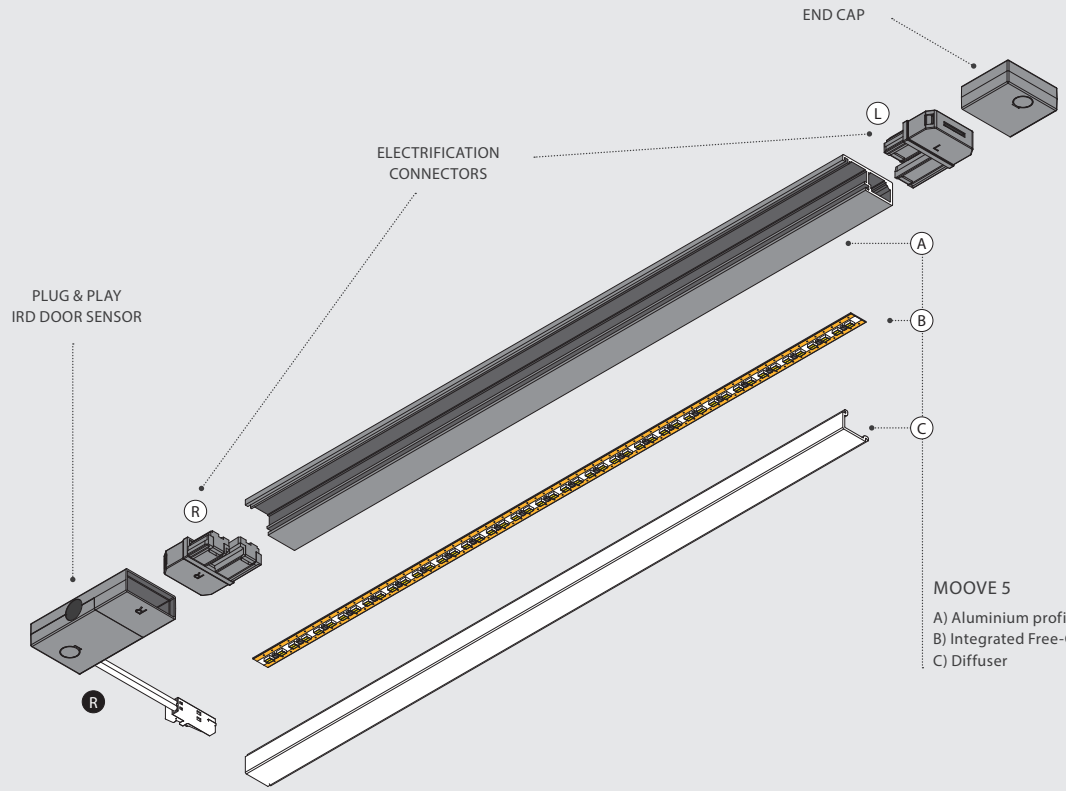
Available in black finish.



WDC DUAL COLOR

Color temperature varies from 2700K to 4000K
by reversing the insertion side of the IRD Sensor.



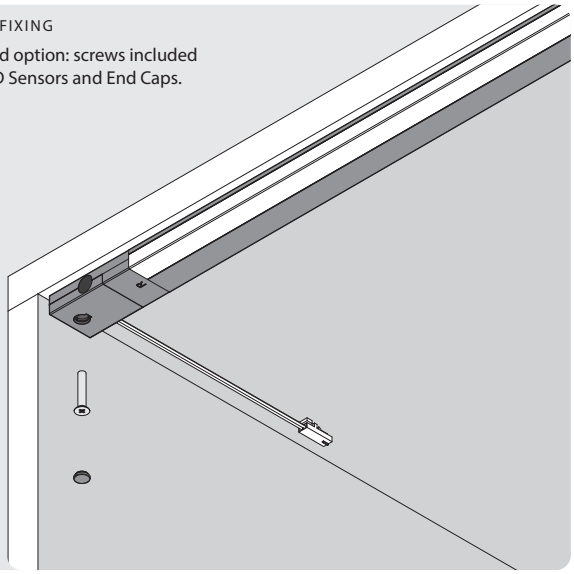


MOOVE 5

A) Aluminium profile
B) Integrated Free-Cut LED
C) Diffuser

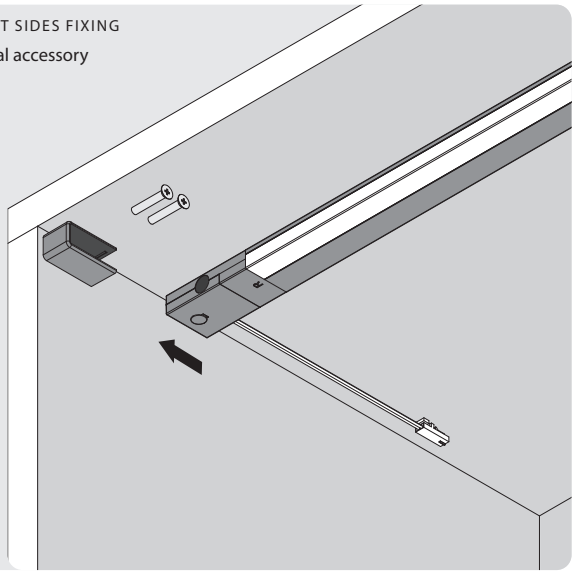
SCREW FIXING

Standard option: screws included
with IRD Sensors and End Caps.



CABINET SIDES FIXING

Optional accessory

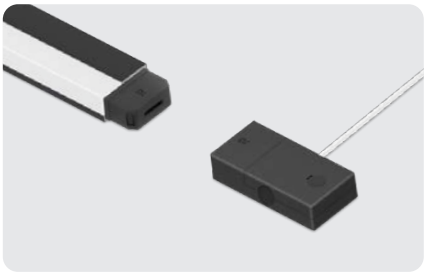


Moove 5 FREE CUT

24 V | WDC | IRD







SWITCHING AND CONTROL SYSTEMS

INTEGRATED CONTROL P.42

IR Door Sensor (IRD)

The color temperature varies from 2700K to 4000K by reversing the insertion side of the IRD sensor used (sold separately).

IRD

POWER SUPPLY

MEC Lite

"Ready-to-light" power supply system with integrated distributor.

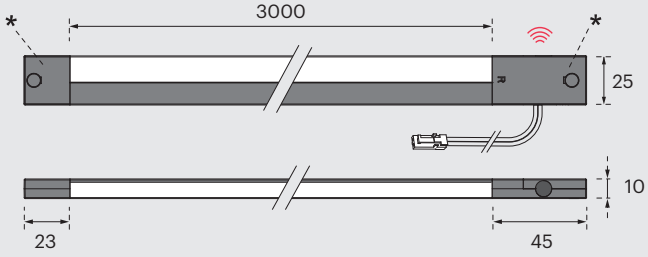
NOT INCLUDED

MEC LITE P.30



MOOVE 5	WDC DUAL COLOR	FINISH	L	W	CODE
WDC Light Source.	24 V	03 black	3000 mm	30W	561700001
Aluminium profile with integrated LED and diffuser. Without switching system.	LED 10W/m				
Purchase separately (side page) the following accessories, required to complete the Moove 5 profile:	2700K÷4000K				
- Electrification connector kit - IRD Door sensor - End cap	820 lm/m				
	CRI>90				
	A G				

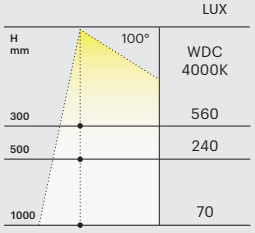
(mm)



* Not included

ILLUMINANCE

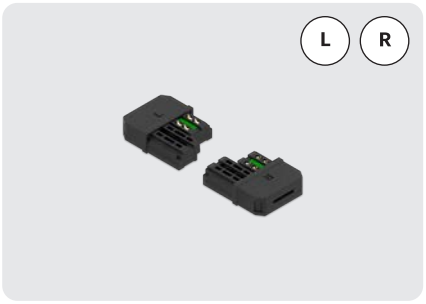
Moove 5
1000 mm



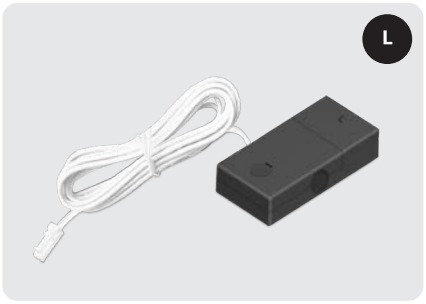
Moove 5 FREE CUT

ELECTRIFICATION AND SWITCHING SYSTEM

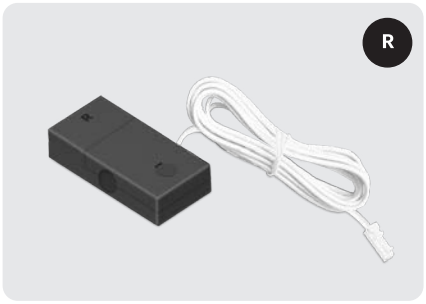
To power the MOOVE 5 lamp, use the (L)/(R) electrification connector kit combined with the (L) or (R) wired IRD sensors.
MOOVE 5 works with one or two sensors mounted at the ends (with a double sensor, it will not be necessary to purchase the side end cap).
Each IRD sensor ((L) or (R)) is supplied with fixing screws and can be mounted to the right or left of the MOOVE 5 profile: follow the instructions with the sensor positioning options (P.28) to correctly set the light beam orientation and color temperature.



Couple of electrification connectors (L/R). 600300241



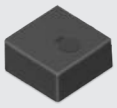
IR Door Sensor (L)
Mounting screws included.
Cable 3000mm
941300706



IR Door Sensor (R)
Mounting screws included.
Cable 3000mm
941300705

ACCESSORIES

END CAP



For use when configuring MOOVE 5 with a single IRD sensor.
Mounting screw included.
600800294

SIDE FIXING BRACKETS (2x)

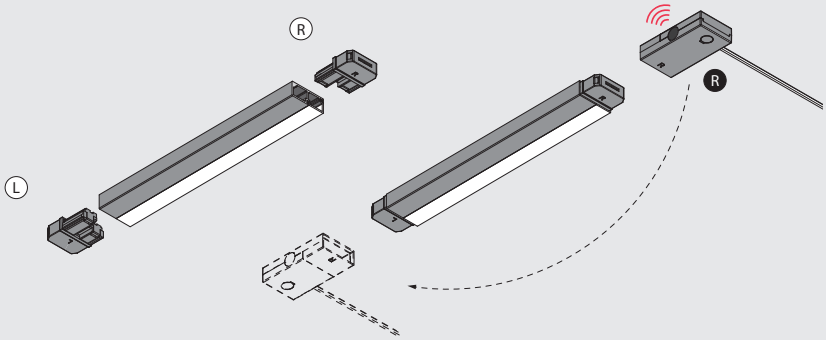


To install MOOVE 5 at the cabinet's sides.
Mounting screws included.
600800293

The electrification connectors (Ⓛ/Ⓡ) are inserted into the MOOVE 5 profile as shown in the figure.

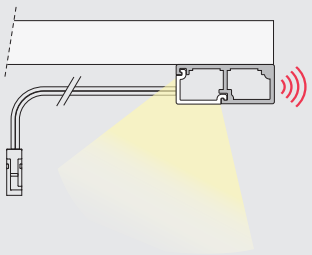
All wired IRD sensors can be mounted on either side of the profile, allowing you to change the orientation of the light beam, the direction of the sensor/cable outlet, and the color temperature.

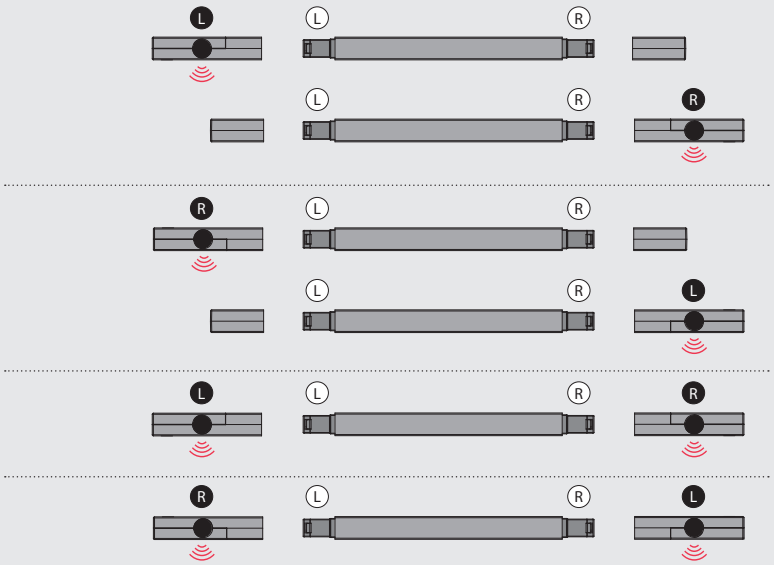
Refer to the diagram below for all available options, for single or double sensors.



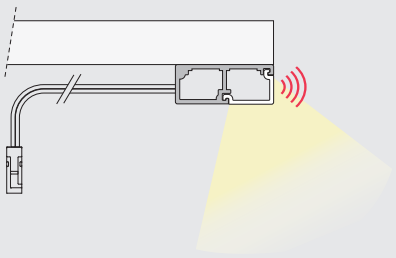
INSTALLATION - SIDE VIEW	CCT	ELECTRIFICATION OPTIONS - FRONT VIEW

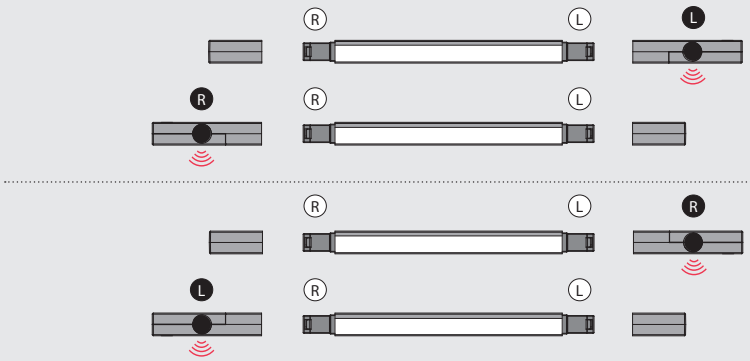
Inside base cabinet lighting





Drawer lighting







MEC LITE

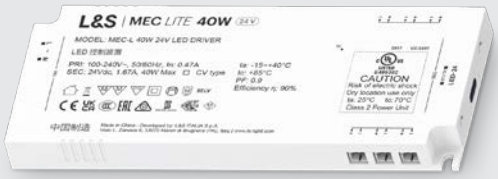
Ready-to-light

MEC LITE, the new "Ready-to-light" power and control platform 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.

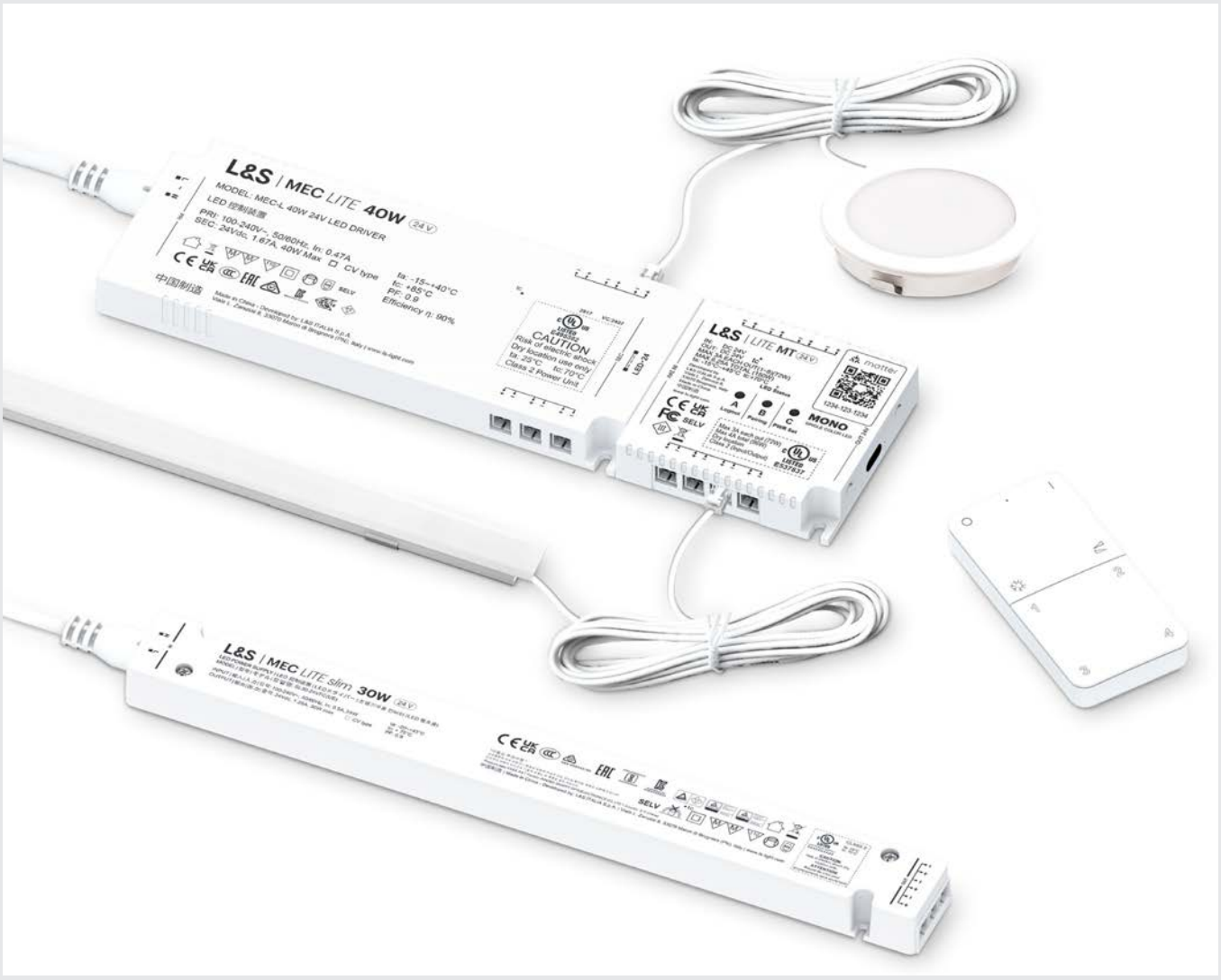
MEC LITE ensures greater energy efficiency compared to the MEC Driver product range, with which it is compatible.







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.

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, thanks to the integration of the main protocols in the control modules. LITE MT, the module based on the Matter protocol, connects directly to the native app of the most popular Smart Home devices; 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. The LITE DL and LITE CS modules, based on the DALI and CASAMBI protocol, allow for advanced and more professional control.



matter zigbee Bluetooth



CASAMBI DALI 2

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.



zigbee

*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.

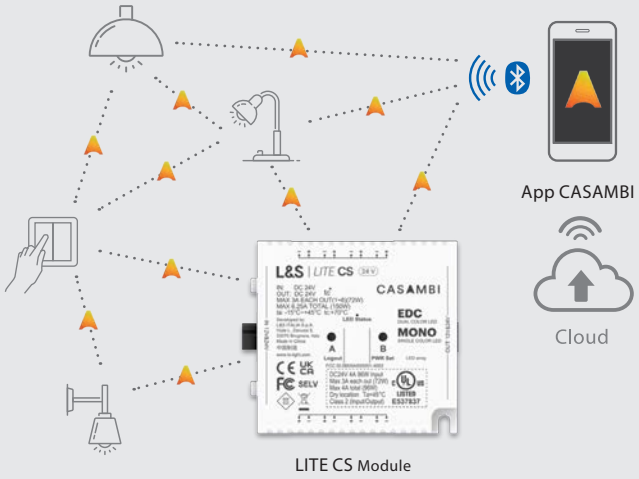
Smart Control

Integration with all protocols

CASAMBI

Complete wireless system: fewer cables, greater control

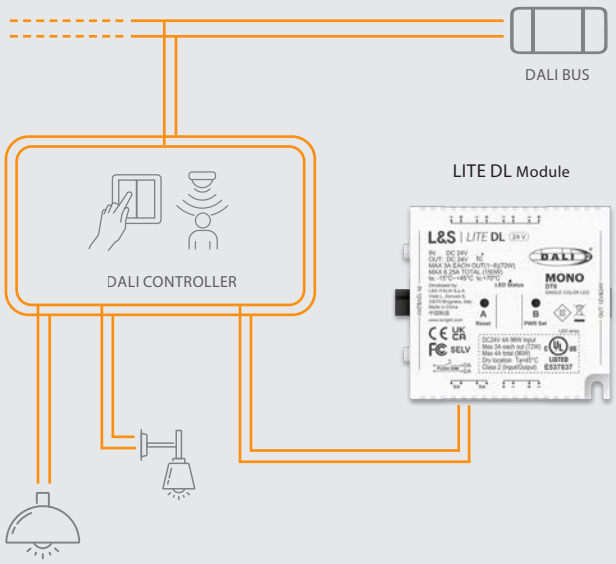
Casambi offers an open, accessible, and usable technology platform, bringing wireless control capabilities to various lighting devices. Casambi's comprehensive wireless solution opens up endless possibilities for every type of project, from residential to retail and hospitality. The system is based on Bluetooth Low Energy, requires no additional wiring, and allows you to manage individual fixtures or entire lighting networks with superior reliability and stability. Thanks to its dedicated app and advanced features (lighting scenarios, programming, and dynamic adjustments) Casambi offers the ideal level of lighting control, ideal for those designing scalable, quality-certified solutions.



DALI 2

International wired standard for lighting control

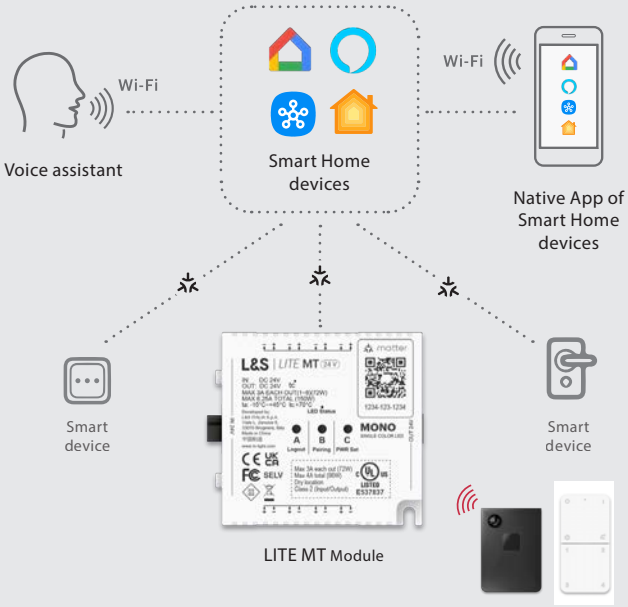
The DALI (Digital Addressable Lighting Interface) protocol is the reference technology for the intelligent management of lighting fixtures in architectural and technical settings. It ensures reliable communication between devices from different manufacturers, with individual or group control of lamps and advanced functions such as dimming and lighting scenarios. Integration into building automation systems is simple and secure, with a standardized configuration and two-wire wiring that reduces costs and complexity. DALI enables precise, flexible, and efficient lighting management, suitable for professional projects, ensuring reliability and customization.



matter

The universal standard for Smart Home devices

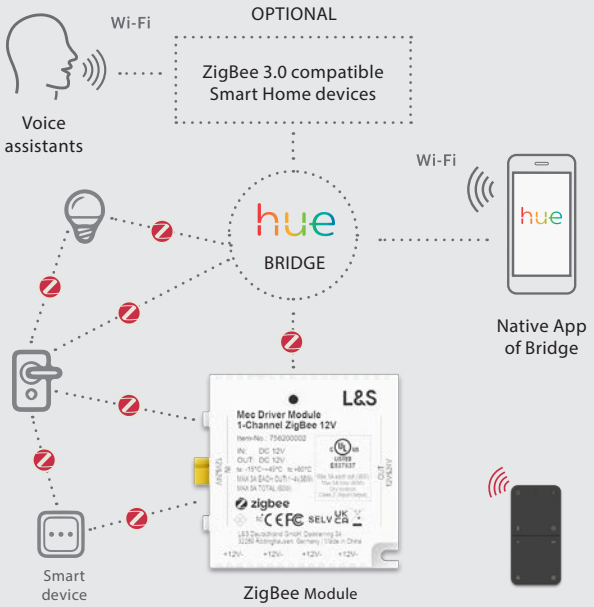
It simplifies the connection between smart devices from different brands through the innovative, fast, and reliable Matter protocol: the LiteMT control module connects directly to the native app of Smart Home devices (e.g., Amazon Alexa, SmartThings, Apple HomeKit). Through the Wi-Fi network, the device 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.



zigbee

Low power consumption wireless protocol

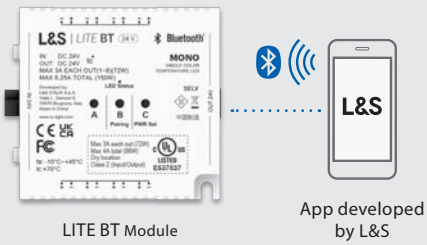
With the new ZigBee control module, our lighting devices communicate with other smart home devices (e.g., plugs, locks, and smart bulbs) through a compatible bridge (e.g., Philips Hue) in a reliable low-energy consumption mesh network. Quick and precise control of lighting via smartphone using the native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

24 V

LED LIGHTS POWER SUPPLY

V IN: 100-240V AC WIDE INPUT
V OUT: 24 V 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).

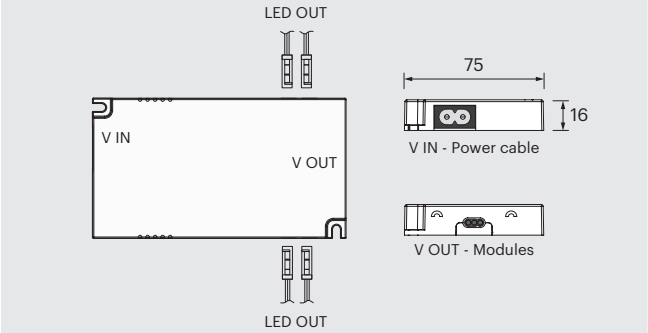
Wide Input voltage of 100-240V AC: the 150W model is available exclusively with an input voltage of 240V.
Power cable sold separately.

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



POWER CABLE

V IN: 100-240V
L= 2000mm

Choose the power cable according to the type of plug suitable for your target market.

NOT INCLUDED

PLUG	CODICE
EU	940600561
UK	940600557
AU	940600559
US	940600560
CN	940600558
KR	940600562
JP	940600585



CONTROL MODULES CONNECTION CABLE

V IN/OUT: 24 V / 12 V DC
MAX load: 5A

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

OPTIONAL

L	CODE
100 mm	940600484
500 mm	940600485
1000 mm	940600486



20W

2x OUT



135x75x16mm

2x OUT

40W

3x OUT



190x75x16mm

3x OUT

60W

3x OUT

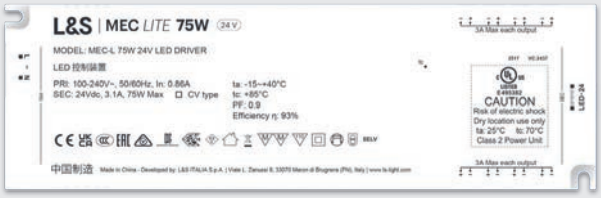


190x75x16mm

3x OUT

75W

4x OUT



240x75x16mm

4x OUT

96W

4x OUT



240x75x16mm

4x OUT

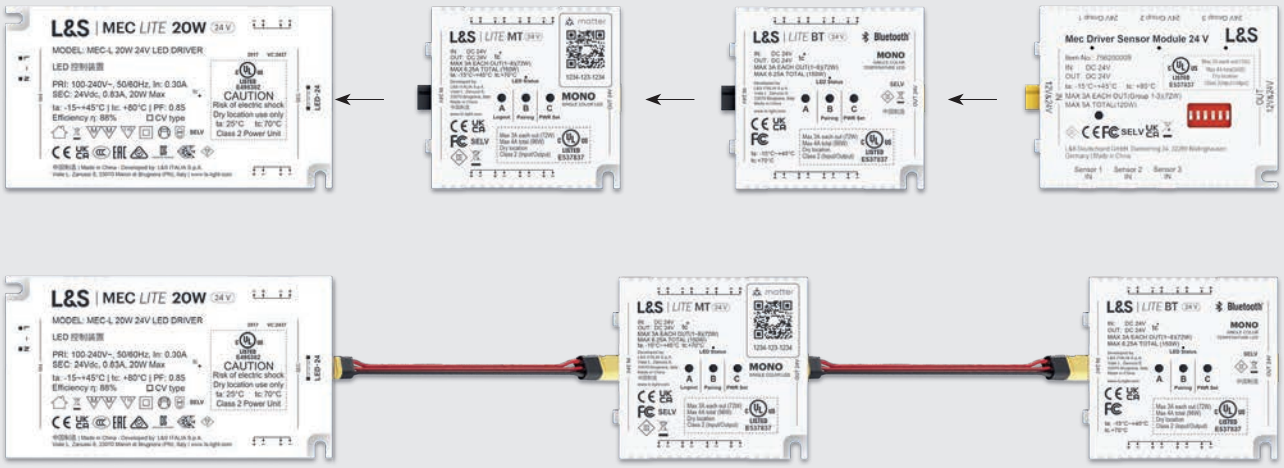
150W

4x OUT



240x75x16mm

4x OUT



LITE MT

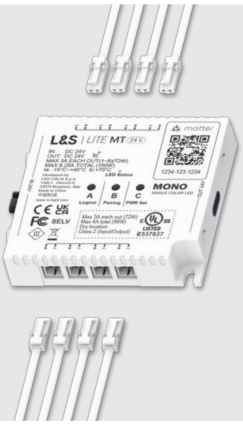
CONTROL MODULE FOR LED LAMPS

V IN/OUT: 24 V DC

2,4GHz Radio frequency reeceiver - Single Channel.
With Matter protocol.

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) thus eliminating the issue of managing different apps and protocols. Available for MONO or Dual Color (EDC/WDC) LED. Maintain the same operating voltage of 24V for all connected modules in a continuous line.

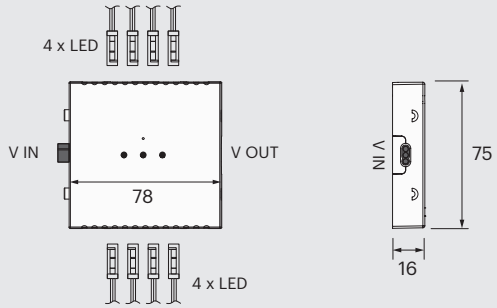
Functions: On-Off, dimming and color temperature adjustment (LED EDC/WDC).



WAYS	MAX LOAD	V IN	LED	CODE
8	150 W Total 72 W Single way	24V DC	MONO	756200640
			EDC / WDC	756200645

For use with lamps without integrated switching system only.

(mm)



REMOTE CONTROL





matter

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.

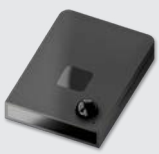


Control via 2.4GHz radio frequency transmitters.

COMPATIBLE 2.4GHz TRANSMITTERS

It is possible to pair up to 5 radio transmitters with a single LITE MT receiver module.

LITE SENSOR P.38



LITE REMOTE P.40



LITE sensor

2.4GHz RADIO FREQUENCY ALL-IN ONE SENSOR

1 Channel multifunction sensor.

Simultaneously manages all lights connected to compatible LITE control modules. Can be configured for use as:

- PIR Motion Sensor
- IR Door sensor
- TOUCH Transmitter

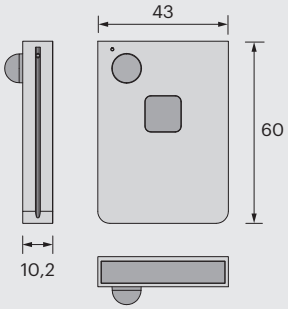


CHANNELS	CONTROLS	CODE
1	On-Off / Dimmer Color temperature (EDC/WDC)	756200636

RADIO RANGE: 15m INDOOR

BATTERY: CR2450 - 3V INCLUDED (3 YEARS)

(mm)



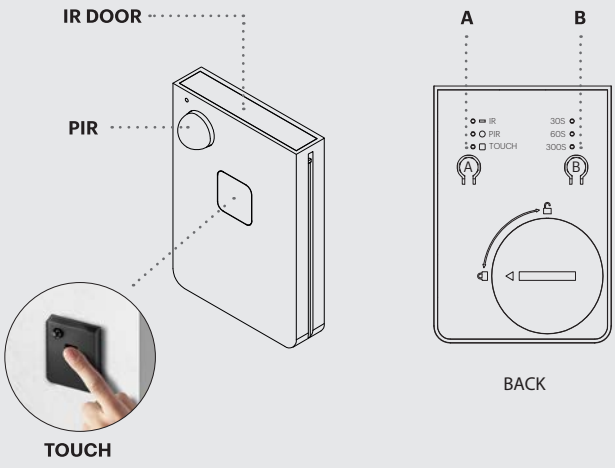
COMPATIBLE MODULES

It is possible to pair up to 5 radio transmitters with a single receiver module.

LITE MT P.37



TOUCH	SINGLE PRESS	On/Off.
	LONG PRESS	Progressive Dimmer.
Button A	SINGLE PRESS	Operating mode selection: IR (door) / PIR / Touch.
	LONG PRESS	Compatible Receiver Module pairing.
Button B	SINGLE PRESS	Auto-OFF Timing setting. IR/PIR: 30s / 60s / 300s.
	LONG PRESS	Color Temperature adjustments (EDC/WDC Dual Color LED only).
A + B	LONG PRESS	Receiver Module un pairing.

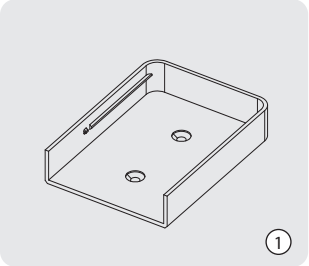


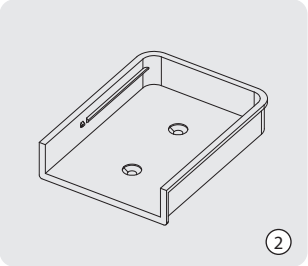
LITE sensor

MOUNTING SUPPORTS

For recessed or surface (wall) mounting.

INCLUDED

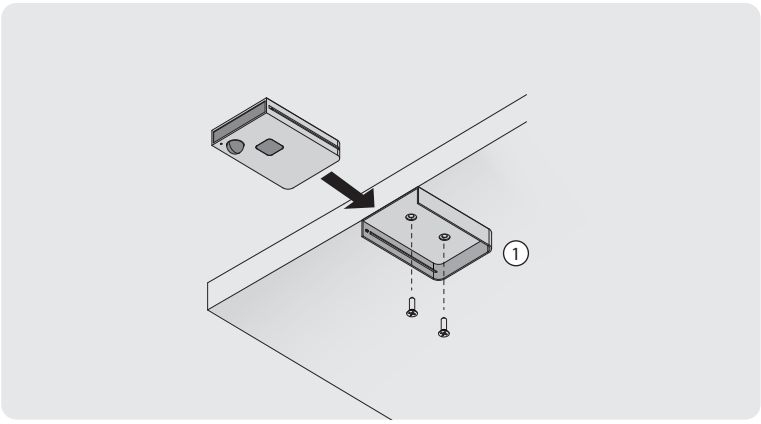




INSTALLATION

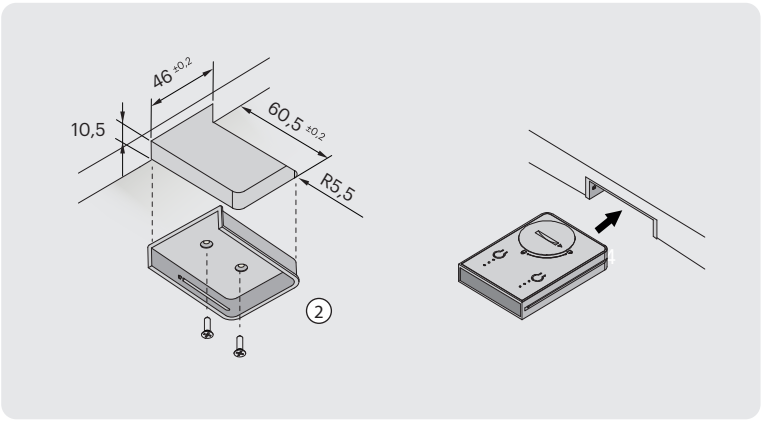
SURFACE MOUNTING





RECESSED MOUNTING





LITE remote

2.4GHz RADIO FREQUENCY TRANSMITTER

4 independent channels.

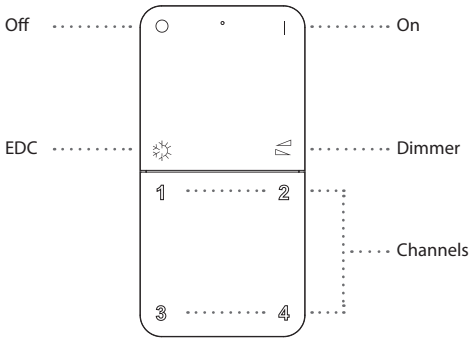
Individually controls all lamps connected to compatible Smart control modules (up to 6 modules).



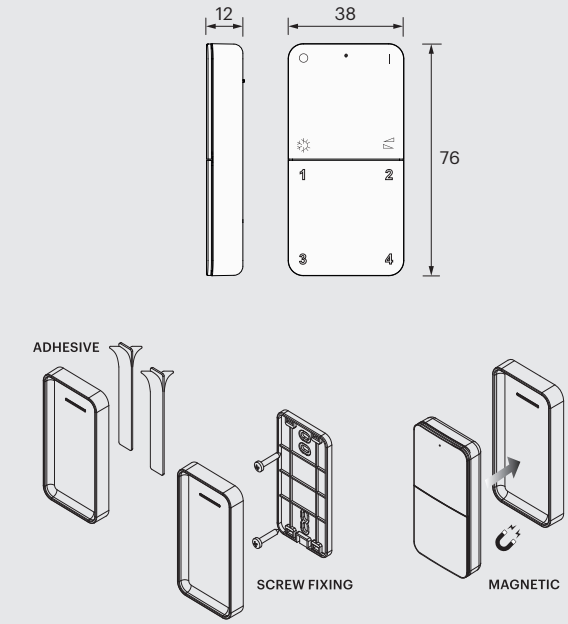
CHANNELS	CONTROLS	CODE
4	On-Off / Dimmer Color temperature (EDC/WDC)	(01) 756200639 (03) 756200638

RADIO RANGE: 15m INDOOR

BATTERY: CR2032 - 3V INCLUDED (3 YEARS)



(mm)



MAGNETIC WALL SUPPORT

Installation by means of screws or double-sided tape (provided)

INCLUDED



COMPATIBLE RECEIVER MODULES

It is possible to pair up to 5 radio transmitters with a single receiver module.

LITE MT P.37



Zigbee Module 1 channel

CONTROL MODULE FOR LED LAMPS

V IN/OUT: 24 V DC

2,4GHz Radio frequency reeceiver - Single Channel.
WIth ZigBee protocol.

Simultaneous control of up to 4 LED lamps with compatible radio frequency transmitters, can be used with MONO or Dual Color (EDC/WDC) 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). Maintain the same operating voltage of 24V for all connected modules in a continuous line.

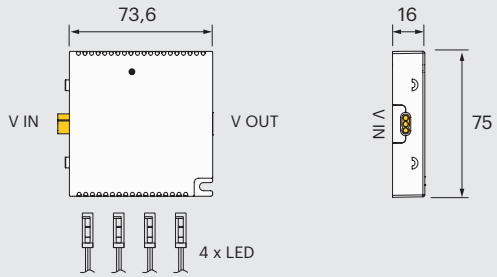
Functions: On-Off, dimming and color temperature adjustment (LED EDC/WDC).



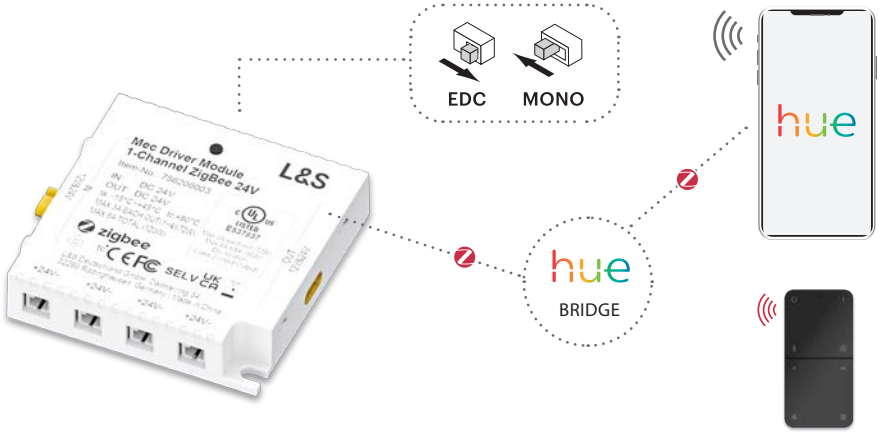
WAYS	MAX LOAD	V IN	LED	CODE
4	120 W Total 72 W Single way	24V DC	MONO EDC / WDC	756200028

For use with lamps without integrated switching system only.

(mm)



REMOTE CONTROL



zigbee

Control via a pre-installed Bridge (e.g. Philips Hue) with smartphone (using the Bridge's native app) or with ZigBee 3.0 protocol compatible voice assistants.

Control via compatible 2.4GHz radio frequency transmitters, easilyy integrable into existing ZigBee networks.

COMPATIBLE 2.4GHz TRANSMITTERS

It is possible to pair up to 5 radio transmitters with a single ZigBee receiver module.

4 CHANNEL REMOTE P.47



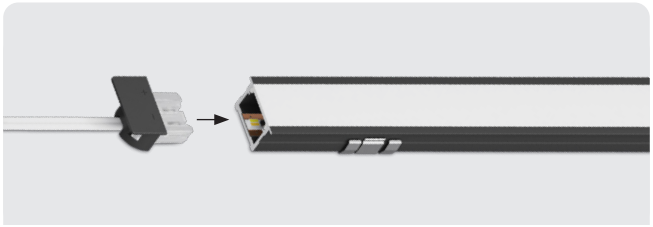
Switching and control

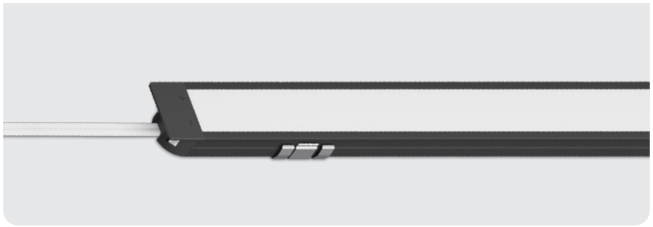
Moove FREE CUT

"MOOVE" FIXTURES WITHOUT SWITCHING SYSTEM

Moove DIY lighting fixtures assembled without integrated switching (e.g., switch) require a separate control system (Smart Home solutions, transmitters, or cabled switching systems) for On/Off control and light intensity adjustment. Color temperature management (all Moove luminaires are equipped with Dual Color LEDs) can always be controlled by reversing the insertion side of the plug&play power connector (Moove 1/2/3) or using the included EDC Jumper cable (Moove 4).

When connected directly to the power supply system, On-Off control is performed exclusively via a switch controlled outlet that supplies mains voltage to the power supply unit.



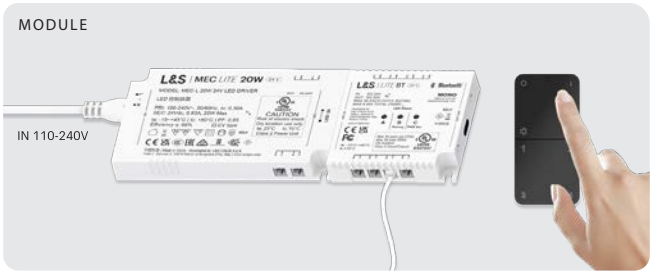


POWER SUPPLY AND CONTROL

Moove lighting fixtures without switching system can be connected to MEC LITE via::

- Integrated power distributor:
  MEC LITE must be connected to a wall switch controlled outlet for On-Off control of the fixtures connected.
  Other light adjustments (e.g. dimming) are not possible.
- Control modules (or other 'external' systems):
  MEC LITE is connected to a normal mains outlet and all lighting functions of the fixture (including color temperature adjustment) are managed by the control module and its compatible control systems (sensors, radio controls, smartphones, etc.).

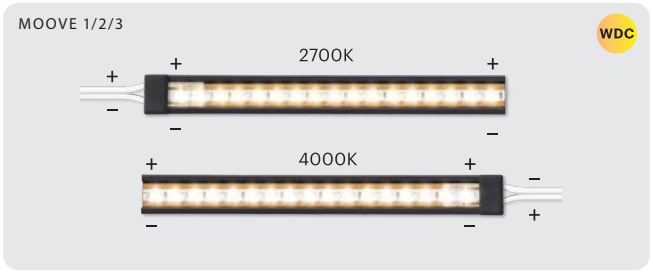


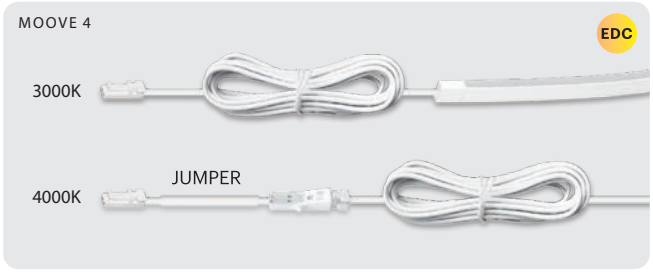


COLOR TEMPERATURE ADJUSTMENT

When connected directly to the power supply system, the color temperature adjustment of Moove DIY fixtures without integrated switching varies depending on the model:

- Moove 1/2/3 (WDC Dual Color):
  the color temperature varies from 2700K to 4000K by reversing the insertion side of the power connector.
- Moove 4 (EDC Dual Color):
  this fixture is supplied with a 50mm EDC Jumper cable, to be mounted during installation at the end of the power cable to change the color temperature from 3000K to 4000K.





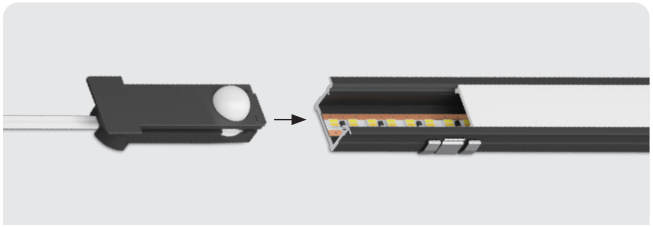
Switching and control

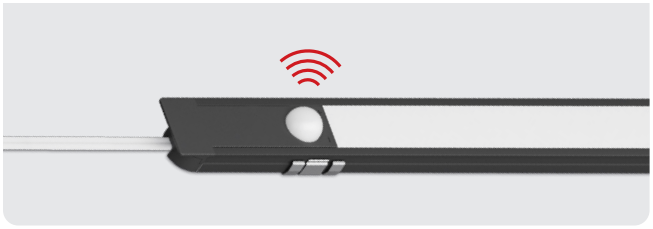
"MOOVE" FIXTURES WITH INTEGRATED CONTROL

Moove DIY lighting fixtures are compatible with plug&play switching systems complete with power cable, for On-Off control and, depending on the type, adjustment of the fixture's light intensity. Color temperature management (all Moove fixtures are equipped with Dual Color LEDs) can always be set by reversing the insertion side of the chosen control system (Moove 1/2/3/5).

To insert the ignition system correctly, it is necessary to cut the luminaire diffuser 22mm (Moove 2) or 36mm (Moove 1/3) shorter than the lamp.

Luminaires with integrated control are not compatible for use with Smart Home solutions, transmitters or cabled switching systems.





POWER SUPPLY

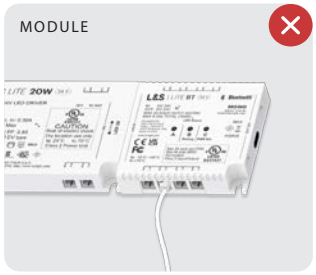
Moove lighting fixtures with integrated control must be connected to MEC LITE exclusively via the integrated power distributor: do not connect these fixtures to Control Modules or other switching systems.

For the system to function correctly, the power supply must not be connected to a switch controlled outlet.

DISTRIBUTOR



MODULE



IRS



IR SENSOR
Moove 1/2/3

Integrated infrared sensor that detects hand movement (within 6 cm) without touch.

Functions:

- On/Off (soft start)
- Color temperature change: with lamp On, hold your hand near the switch for about 3 seconds.

TCS



TOUCH SWITCH
Moove 1/3

Control is performed by touching the diffuser at the point indicated by the TCS signal LED.

Functions:

- Single Touch: On/Off (soft start).
- Long Touch (lamp On): Dimming

PIR



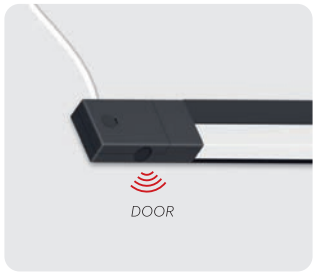
PIR MOTION SENSOR
Moove 1/3

Control achieved by entering the sensor's detection range or by opening the cabinet door:

Functions:

- On/Off (soft start): the lamp switches off when the door is closed or after a set time has elapsed since the last detection.

IRD



IR DOOR SENSOR
Moove 5

Integrated infrared sensor for cabinet door opening detection.

Functions:

- On/Off (soft start): open/close the door of the cabinet / drawer

For color temperature control, refer to the specific section.

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L&S