



# VALO™

BY M-ELEC



## ALL YOUR 24V LED STRIP NEEDS

- ✔ LED strip
- ✔ ALU housing
- ✔ Controllers
- ✔ Power supplies





VALO Range  
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# 24V LED Strip Lighting | Indoor Single Colour



## Standard LED Strip

ML-VL-4.8-W5 White 5m  
ML-VL-4.8-NW5 Neutral White 5m  
ML-VL-4.8-WW5 Warm White 5m

ML-VL-4.8-W50 White 50m  
ML-VL-4.8-NW50 Neutral White 50m  
ML-VL-4.8-WW50 Warm White 50m

Total Power Consumed (p/m) 4.8W\*  
Max Lumen Output (p/m) (WW) 360lm | (NW) 370lm | (W) 380lm  
Efficacy Up to 79lm/W  
Input Voltage 24V DC  
Colour Temperature 3000K (WW) | 4000K (NW) | 6000K (W)  
LED Chip & Qty SMD3528 | 60/m  
Beam Angle 120°  
Dimmable Yes (with correct power supply and controller)  
Approx Min Cut 100mm  
Maximum Run Length 10m  
IP Rating IP20  
Dimensions L 5m x W 8mm x H 2.2mm / L 50m x W 8mm x H 2.2mm  
Operating Temperature -40°C to +70°C  
Average Life 40,000 hrs\*\*  
Warranty 7 Years  
Kit Includes 1 x 5m/50m LED strip, 5/25 x connectors



## Long Run LED Strip

ML-VLMX-7.2-W50 White 50m  
ML-VLMX-7.2-NW50 Neutral White 50m  
ML-VLMX-7.2-WW50 Warm White 50m

Total Power Consumed (p/m) 7.2W\*  
Max Lumen Output (p/m) (WW) 700lm | (NW) 750lm | (W) 750lm  
Efficacy Up to 104lm/W  
Input Voltage 24V DC  
Colour Temperature 3000K (WW) | 4000K (NW) | 6000K (W)  
LED Chip & Qty SMD2835 | 60/m  
Dimmable Yes (with correct power supply and controller)  
Approx Min Cut 97mm  
Maximum Run Length 20m  
IP Rating IP20  
Dimensions L 50m x W 12mm x H 1.6mm  
Operating Temperature -40°C to +70°C  
Average Life 40,000 hrs\*\*  
Warranty 7 years  
Kit Includes 1 x 50m LED strip, 25 x connectors



## High Output LED Strip

ML-VL-9.6-W5 White 5m  
ML-VL-9.6-NW5 Neutral White 5m  
ML-VL-9.6-WW5 Warm White 5m

ML-VL-9.6-W50 White 50m  
ML-VL-9.6-NW50 Neutral White 50m  
ML-VL-9.6-WW50 Warm White 50m

Total Power Consumed (p/m) 9.6W\*  
Max Lumen Output (p/m) (WW) 720lm | (NW) 740lm | (W) 760lm  
Efficacy Up to 79lm/W  
Input Voltage 24V DC  
Colour Temperature 3000K (WW) | 4000K (NW) | 6000K (W)  
LED Chip & Qty SMD3528 | 120/m  
Beam Angle 120°  
Dimmable Yes (with correct power supply and controller)  
Approx Min Cut 50mm  
Maximum Run Length 10m  
IP Rating IP20  
Dimensions L 5m x W 8mm x H 2.2mm / L 50m x W 8mm x H 2.2mm  
Operating Temperature -40°C to +70°C  
Average Life 40,000 hrs\*\*  
Warranty 7 years  
Kit Includes 1 x 5m/50m LED strip, 5/25 x connectors

\*Total power consumed including driver

\*\*Average life is calculated on expected average lifespan

# 24V LED Strip Lighting | Indoor Single Colour

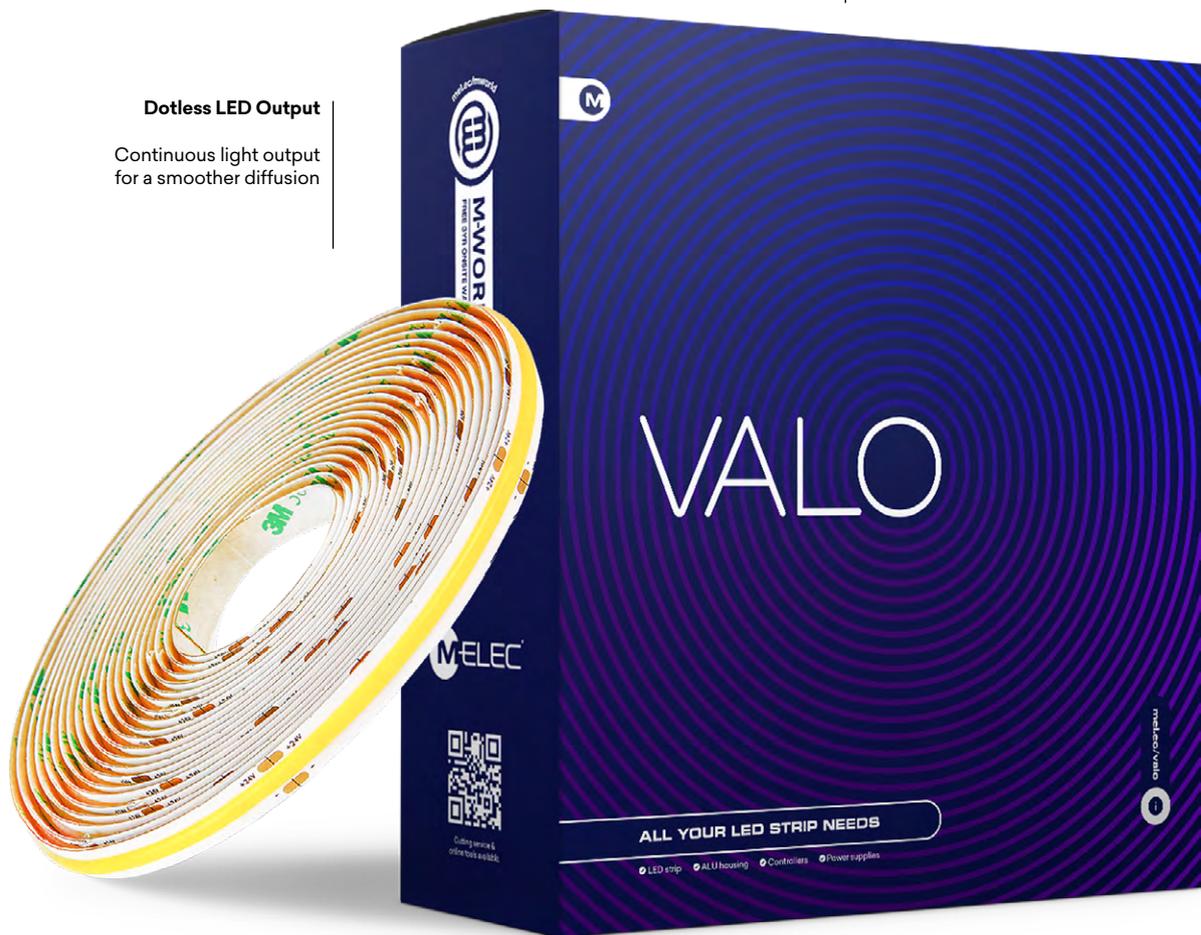


## Colour

Available in WW, NW & W

## Dotless LED Output

Continuous light output for a smoother diffusion



## Laser LED Strip

- ML-VLLZ-10-W50 White 50m
- ML-VLLZ-10-NW50 Neutral White 50m
- ML-VLLZ-10-WW50 Warm White 50m

Total Power Consumed (p/m)	10W*
Max Lumen Output (p/m)	(WW) 910lm   (NW) 989lm   (W) 1080lm
Efficacy	Up to 108lm/W
Input Voltage	24V DC
Colour Temperature	3000K (WW)   4000K (NW)   6500K (W)
LED Chip & Qty	COB   512/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	62.5mm
Maximum Run Length	10m
IP Rating	IP20
Dimensions	L 50m x W 10mm x H 1.5mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 50m LED strip, 25 x connectors

## Length

Comes in 50m roll

# 24V LED Strip Lighting | Indoor Single Colour



## Ultra Bright LED Strip

ML-VL-11.5-W5 White 5m  
ML-VL-11.5-NW5 Neutral White 5m  
ML-VL-11.5-WW5 Warm White 5m

ML-VL-11.5-W50 White 50m  
ML-VL-11.5-NW50 Neutral White 50m  
ML-VL-11.5-WW50 Warm White 50m

Total Power Consumed (p/m)	11.5W*
Max Lumen Output (p/m)	(WW) 1470lm   (NW) 1590lm   (W) 1610lm
Efficacy	Up to 140lm/W
Input Voltage	24V DC
Colour Temperature	3000K (WW)   4000K (NW)   6500K (W)
LED Chip & Qty	SMD3014   128/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	62.5mm
Maximum Run Length	10m
IP Rating	IP20
Dimensions	L 5m x W 10mm x H 1.5mm / L 50m x W 10mm x H 1.5mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 5m/50m LED strip, 5/25 x connectors

## High Output Full Spectrum LED Strip

ML-VLCRI-14.4-W5 White 5m  
ML-VLCRI-14.4-NW5 Neutral White 5m  
ML-VLCRI-14.4-WW5 Warm White 5m

ML-VLCRI-14.4-W50 White 50m  
ML-VLCRI-14.4-NW50 Neutral White 50m  
ML-VLCRI-14.4-WW50 Warm White 50m



Total Power Consumed (p/m)	14.4W*
Max Lumen Output (p/m)	(WW) 880lm   (NW) 980lm   (W) 1010lm
Efficacy	Up to 70lm/W
Input Voltage	24V DC
Colour Temperature	3000K (WW)   4000K (NW)   6000K (W)
LED Chip & Qty	SMD2835   60/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	100mm
Maximum Run Length	10m
IP Rating	IP20
CRI	97
Dimensions	L 5m x W 10mm x H 1.1mm / L 50m x W 10mm x H 1.1mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 5m/50m LED strip, 5/25 x connectors

## Max Output LED Strip

ML-VL-17.2-W50 White 50m  
ML-VL-17.2-NW50 Neutral White 50m  
ML-VL-17.2-WW50 Warm White 50m



Total Power Consumed (p/m)	17.2W*
Max Lumen Output (p/m)	(WW) 2200lm   (NW) 2370lm   (W) 2410lm
Efficacy	Up to 140lm/W
Input Voltage	24V DC
Colour Temperature	3000K (WW)   4000K (NW)   6500K (W)
LED Chip & Qty	SMD3014   192/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	41.6mm
Maximum Run Length	5m
IP Rating	IP20
Dimensions	L 50m x W 10mm x H 1.5mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 50m LED strip, 25 x connectors

\*Total power consumed including driver

\*\*Average life is calculated on expected average lifespan

# 24V LED Strip Lighting | Indoor RGB



## Standard RGB LED Strip

ML-VL-7.2-RGB50 Colour Changing 50m

Total Power Consumed (p/m)	7.2W*
Input Voltage	24V DC
Colour Temperature	RGB
LED Chip & Qty	SMD5050   30/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	166.7mm
Maximum Run Length	10m
IP Rating	IP20
Dimensions	L 50m x W 10mm x H 2mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 50m LED strip, 25 x connectors

## Standard RGB, W/NW/WW LED Strip

ML-VL-12-RGBW50 Colour Changing 50m  
 ML-VL-12-RGBNW50 Colour Changing 50m  
 ML-VL-12-RGBWW50 Colour Changing 50m

Total Power Consumed (p/m)	12W*
Max Lumen Output (p/m)	(WW) 650lm   (NW) 700lm   (W) 700lm
Efficacy	Up to 58lm/W
Input Voltage	24V DC
Colour Temperature	(WW) RGB + 3000K   (NW) RGB + 4000K   (W) RGB + 6000K
LED Chip & Qty	SMD2835   320/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	100mm
Maximum Run Length	10m
IP Rating	IP20
Dimensions	L 50m x W 10mm x H 2mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 50m LED Strip, 25 x connectors



## High Output RGB LED Strip

ML-VL-14.4-RGB50 Colour Changing 50m

Total Power Consumed (p/m)	14.4W*
Input Voltage	24V DC
Colour Temperature	RGB
LED Chip & Qty	SMD5050   60/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Min Cut	100mm
Maximum Run Length	10m
IP Rating	IP20
Dimensions	L 50m x W 10mm x H 2mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 50m LED strip, 25 x connectors



# 24V LED Strip Lighting | Indoor RGB



## RGB Laser LED Strip

ML-VLLZ-15-RGB50 Colour Changing 50m

Total Power Consumed (p/m)	15W*
Input Voltage	24V DC
Colour Temperature	RGB
LED Chip & Qty	Sanan   840/m
Beam Angle	180°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	50mm
Maximum Run length	10m
IP Rating	IP20
Dimensions	L 50m x W 10mm x H 2.3mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 50m LED strip, 25 x connectors



## RGBWW Laser LED Strip

ML-VLLZ-16-RGBWW20 RGB Warm White 20m

Total Power Consumed (p/m)	16W*
Input Voltage	24V DC
Colour Temperature	RGBWW
LED Chip & Qty	Sanan COB   896/m
Beam Angle	180°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	34.25mm
Maximum Run Length	5m
IP Rating	IP20
Dimensions	L 20m x W 12mm x H 2.3mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1x 20m LED strip, 10x connectors



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\*Total power consumed including driver

\*\*Average life is calculated on expected average lifespan

# 24V LED Strip Lighting | Outdoor Single Colour



## Colour

Available in White (W)

### Seamless LED Output

Continuous light output for a smoother diffusion



### Weather Protection

IP65 Rated

## Neon LED Strip

ML-VLN-9.6-W20 White 20M

Total Power Consumed (p/m)	9.6W*
Max Lumen Output (p/m)	1220lm
Efficacy	Up to 127lm/W
Input Voltage	24V DC
Colour Temperature	6000K (W)
LED Chip & Qty	SMD2835   128/m
Beam Angle	150°
Dimmable	Yes (with correct power supply and controller)
Min Cut	62.5mm
Maximum Run Length	5m
IP Rating	IP65
Dimensions	L 20m x W 12mm x H 12mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 20m LED strip, 8x end-cap with hole, 8x end-cap without hole, 40x mounting clips, 4 x input cables with 100cm bare wire

# 24V LED Strip Lighting | Outdoor Single Colour



## Weather Protected Standard LED Strip

ML-VLWP-4.8-W5 White 5m  
ML-VLWP-4.8-NW5 Neutral White 5m  
ML-VLWP-4.8-WW5 Warm White 5m

ML-VLWP-4.8-W10 White 10m  
ML-VLWP-4.8-NW10 Neutral White 10m  
ML-VLWP-4.8-WW10 Warm White 10m

Total Power Consumed (p/m) 4.8W\*  
Max Lumen Output (p/m) (WW) 350lm | (NW) 360lm | (W) 390lm  
Efficacy Up to 80lm/W  
Input Voltage 24V DC  
Colour Temperature 3000K (WW) | 4000K (NW) | 6000K (W)  
LED Chip & Qty SMD3528 | 60/m  
Beam Angle 120°  
Dimmable Yes (with correct power supply and controller)  
Min Cut 100mm  
Maximum Run Length 10m  
IP Rating IP65  
Dimensions L 5m x W 11mm x H 4mm / L 10m x W 11mm x H 4mm  
Operating Temperature -40°C to +70°C  
Average Life 40,000 hrs\*\*  
Warranty 7 years  
Kit Includes 1 x 5m/10m LED strip, 20/40 x saddles, 4/8 x end-caps, 1/2 x connector with cable, 1/2 x end connector seal

## Weather Protected High Output LED Strip

ML-VLWP-9.6-W5 White 5m  
ML-VLWP-9.6-NW5 Neutral White 5m  
ML-VLWP-9.6-WW5 Warm White 5m

ML-VLWP-9.6-W10 White 10m  
ML-VLWP-9.6-NW10 Neutral White 10m  
ML-VLWP-9.6-WW10 Warm White 10m

Total Power Consumed (p/m) 9.6W\*  
Max Lumen Output (p/m) (WW) 680lm | (NW) 690lm | (W) 780lm  
Efficacy Up to 80lm/W  
Input Voltage 24V DC  
Colour Temperature 3000K (WW) | 4000K (NW) | 6000K (W)  
LED Chip & Qty SMD3528 | 120/m  
Dimmable Yes (with correct power supply and controller)  
Approx Min Cut 50mm  
Maximum Run Length 10m  
IP Rating IP65  
Dimensions L 5m x W 11mm x H 4mm / L 10m x W 11mm x H 4mm  
Operating Temperature -40°C to +70°C  
Average Life 40,000 hrs\*\*  
Warranty 7 years  
Kit Includes 1 x 5m/10m LED strip, 20/40 x saddles, 4/8 x end-caps, 1/2 x connector with cable, 1/2 x end connector seal



## Weather Protected Ultra Bright LED Strip

ML-VLWP-11.5-W5 White 5m  
ML-VLWP-11.5-NW5 Neutral White 5m  
ML-VLWP-11.5-WW5 Warm White 5m

ML-VLWP-11.5-W10 White 10m  
ML-VLWP-11.5-NW10 Neutral White 10m  
ML-VLWP-11.5-WW10 Warm White 10m

Total Power Consumed (p/m) 11.5W\*  
Max Lumen Output (p/m) (WW) 1470lm | (NW) 1590lm | (W) 1610m  
Efficacy Up to 140lm/W  
Input Voltage 24V DC  
Colour Temperature 3000K (WW) | 4000K (NW) | 6500K (W)  
LED Chip & Qty SMD3014 | 128/m  
Beam Angle 120°  
Dimmable Yes (with correct power supply and controller)  
Approx Min Cut 62.4mm  
Maximum Run Length 10m  
IP Rating IP65  
Dimensions L 5m x W 12.5mm x H 4mm / L 10m x W 12.5mm x H 4mm  
Operating Temperature -40°C to +70°C  
Average Life 40,000 hrs\*\*  
Warranty 7 years  
Kit Includes 1 x 5m/10m LED strip, 20/40 x saddles, 4/8 x end-caps, 1/2 x connector with cable, 1/2 x end connector seal



\*Total power consumed including driver \*\*Average life is calculated on expected average lifespan

# 24V LED Strip Lighting | Outdoor RGB



## Weather Protected Standard RGB LED Strip

ML-VLWP-7.2-RGB5 Colour Changing 5m  
ML-VLWP-7.2-RGB10 Colour Changing 10m

Total Power Consumed (p/m)	7.2W*
Input Voltage	24V DC
Colour Temperature	RGB
LED Chip & Qty	SMD5050   30/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	166.7mm
Maximum Run length	10m
IP Rating	IP65
Dimensions	L 5m x W 12.5mm x H 4mm / L 10m x W 12.5mm x H 4mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 5m/10m LED strip, 20/40 x saddles, 4/8 x end-caps, 1/2 x connector with cable, 1/2 x end connector seal



## Weather Protected High Output RGB LED Strip

ML-VLWP-14.4-RGB5 Colour Changing 5m

Total Power Consumed (p/m)	14.4W*
Input Voltage	24V DC
Colour Temperature	RGB
LED Chip & Qty	SMD5050   60/m
Beam Angle	120°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	100mm
Maximum Run length	10m
IP Rating	IP65
Dimensions	L 5m x W 12.5mm x H 4mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 5m LED strip, 20 x saddles, 4 x end-caps, 1 x connector with cable, 1 x end connector seal



## Neon LED Strip

ML-VLN-14.4-RGB20 Colour Changing 20m

Total Power Consumed (p/m)	14.4W*
Input Voltage	24V DC
Colour Temperature	RGB
LED Chip & Qty	SMD2835   120/m
Beam Angle	130°
Dimmable	Yes (with correct power supply and controller)
Approx Min Cut	50mm
Maximum Run Length	5m
IP Rating	IP65
Dimensions	L 20m x W 12mm x H 12mm
Operating Temperature	-40°C to +70°C
Average Life	40,000 hrs**
Warranty	7 years
Kit Includes	1 x 20m LED strip, 8x end-cap with hole, 8x end-cap without hole, 40x mounting clips, 4 x input cables with 100cm bare wire

## LED Strip | Cables

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### RGB Colour

ML-RGBC30  
ML-RGBC100

Rated Voltage	300V
Suitable Voltage	12-24V DC
Conductor Size	0.38mm <sup>2</sup>
Colour Conductors	Red, green, blue & black
Flame Retardant Grade	VW-1
Rated Temperature	80°C
Length	30m, 100m



WARRANTY



### RGBW Colour

ML-RGBWC30  
ML-RGBWC100

Rated Voltage	300V
Suitable Voltage	12-24V DC
Conductor Size	0.38mm <sup>2</sup>
Colour Conductors	Green, black, red, white & blue
Flame Retardant Grade	VW-1
Rated Temperature	80°C
Length	30m, 100m



WARRANTY

## LED Strip | Accessories

### Strip to Strip Connectors (5pk)

All suitable for indoor or outdoor flexible strips



ML-SSS-X1 Single colour strip connector suits 8mm wide flexible strips  
ML-SSS-X1-10 Single colour strip connector suits 10mm wide flexible strips  
ML-RGB-SS-X1 RGB strip connector suits 10mm wide flexible strips  
ML-RGBW-SS-X1 RGB strip connector suits 12mm wide flexible strips

### Strip-Strip Flex Connectors (5pk)

✓ Order In Only

All suitable for indoor or outdoor flexible strips



ML-CURVE-X1 Single colour strip connector suits 8mm wide flexible strips  
ML-RGB-CURVE-X1 RGB strip connector suits 10mm wide flexible strips

### Strip to Strip Power Connectors (5pk)

All suitable for indoor or outdoor flexible strips



ML-SSP-X1 Single colour strip-power connector suits 8mm wide flexible strips  
ML-RGB-SP-X1 RGB strip connector suits 10mm wide flexible strips  
ML-RGBW-SP-X1 RGBW strip connector suits 12mm wide flexible strips

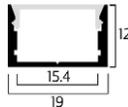
# Aluminium Housing



## Universal Aluminium Profile (2m)

ML-ALU2-K-V3 Aluminium Profile Kit (2m length)

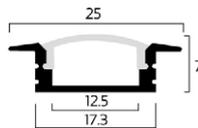
Size	L 2m x W 19mm x H 12mm
2m Kit Includes	1 x 2m Aluminium housing 1 x 2m Opaque diffuser (ML-ALU2-DIFF-V3) 2 x End-caps (ML-ALU2/4-EC-V3)
Minimum Order	2 Kits (minimum due to safe packing methods)
Optional	2m Clear diffuser (ML-ALU2-DIFFC-V3)



## Recessed Aluminium Profile (2m)

ML-ALUR-K-V3 Aluminium Profile Kit

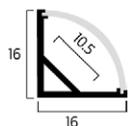
Size	L 2m x W 25mm x H 7mm
Cut Out Width	17.3mm
Kit Includes	1 x 2m Aluminium housing, 1 x 2m Opaque diffuser (ML-ALUR-DIFF-V3), 2 x End-caps (ML-ALUR-EC-V3), 4 x Mounting brackets (ML-ALUR-MB-V3)
Minimum Order	2 Kits (minimum due to safe packing methods)



## Corner Aluminium Profile (2m)

ML-ALUCR-K-V3 Aluminium Profile Kit

Size	L 2m x W 16mm x H 16mm
Kit Includes	1 x 2m Aluminium housing 1 x 2m Opaque diffuser 2 x End-caps (ML-ALUCR-EC-V3) 3 x Mounting brackets (ML-ALUCR-MB-V3)
Minimum Order	2 Kits (minimum due to safe packing methods)



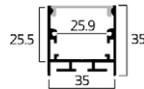
# Aluminium Housing



## Suspended Aluminium Profile (4m)

ML-ALUSUS-K-V3 Aluminium Profile Kit

Size	L 4m x W 35mm x H 35mm
Kit Includes	1x 4m Aluminium housing 1x 4m Opaque diffuser (ML-ALUSUS-DIFF-V3) 8x End-caps (4 x with holes, 4 x without holes) 4 x Suspension kits 4 x Roof fixing points, 4 x Profile fixing points, 4 x 1200mm suspension wire 2 x Screws
Individual Suspension Kit	1 Kit
Minimum Order	Spring bracket (ML-ALU-SUS-SB)
Optional	Joining bracket (ML-ALU-SUS-JN)

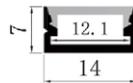


## Click-in Aluminium Profile (2m)

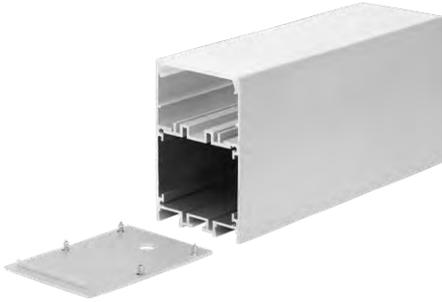
ML-ALU-1407-2M Aluminium Profile Kit

Size	L 2m x W 14mm x H 7mm
Kit Includes	1 x 2m Aluminium profile 1 x 2m opaque diffuser 4 x End caps - 2 x with hole, 2 x without hole (ML-ALU-1407-EC) 4 x mounting brackets (ML-ALU-1407-MB)
Minimum Order	2 Kits (minimum due to safe packing methods)

The 1407 is perfect for low profile, rectangular cutouts or slim surface mounted installation requirements and comes with clips allowing pre-wired strips already installed in the profile to take place, saving labour time.



# Aluminium Housing

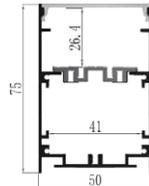


## Surface Aluminium Profile (4m)

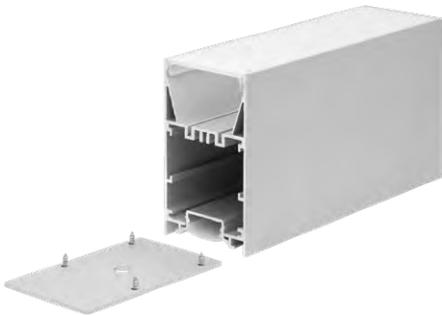


ML-ALU-5075-4M Aluminium Profile Kit

Size	L 4m x W 50mm x H 75mm
Kit Includes	1 x 4m Aluminium profile 1 x 4m Opaque diffuser 4 x End caps, 2 x with hole, 2 x without hole (ML-ALU-5075-EC) 4 x Mounting brackets (ML-ALU-5075-MB)
Minimum Order	1 Kit
Optional	Suspension kit (ML-ALUSUS-KIT-V3)



The 5075 is the perfect profile for long lengths of custom LED strips installed with ease. With a removable tray the profile allows for LED strips to be installed on the tray with space for cable or direct fixing to occur directly behind it and when ready for the tray to simply be clipped into place.

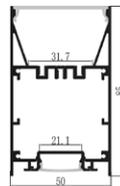


## Dual Illumination Aluminium Housing (4m)



ML-ALU-5085-4M Aluminium Profile Kit

Size	L 4m x W 50mm x H 85mm
Kit Includes	1 x 4m Aluminium profile 1 x 4m Opaque diffuser 4 x End caps, 2 x with hole, 2 x without hole (ML-ALU-5085-EC) 4 x Mounting brackets (ML-ALU-5085-MB)
Minimum Order	1 Kit
Optional	Suspension kit (ML-ALUSUS-KIT-V3)



The 5085 profile has both direct and indirect illumination outlets for top and bottom cover. With a large diffuser on toward the ground the internal space (31.7mm) allows for multiple LED strips to be installed and the top allows for another LED strip to wash the ceilings creating incredible illumination with ease.



# LED Controllers



## RF Wall Controller

ML-2836-DIM-US

Functions  
Operating Voltage  
Operating Frequency  
IP Rating  
Dimensions  
Required Receiver

On/Off switch and 0-100% dimmer  
3V (CR2032 not included)  
434MHz RF  
IP20  
L 75mm x H 120mm x D 41mm  
ML-VLC-C5

This simple '1-wheel' dimmer controller is completely wireless and battery operated allowing it to be installed with ease. The 1-wheel configuration allows full dimming control (256 levels) and on/off capability. The controller has a power saving mode which allows the replaceable battery to last up to 2 years.



## RGB Wall Touch Panel Controller

ML-2820-US3

Colour Control  
Functions  
Input Voltage  
Operating Frequency  
IP Rating  
Dimensions  
Required Receiver

RGB + white  
3 zone controller (separately or synchronised), RGBW colour change speed, 10 changing modes, dimming and speed control  
240V AC  
434MHz RF  
IP20  
L 75mm x H 120mm x D 30.5mm  
ML-VLC-C5

The ML-2820-US3 glass wall controller from M-Elec allows easier connections without the need for complicated wiring or connections. With a simple interface, the ML-2820-US3 allows the user to have 3 separate zones which can be operated separately or can be synchronised. With 10 pre-set colour sequences and full RGB/W control, the ML-2820-US3 is both easy to wire and operate.

# LED Controllers



## Single Colour Remote Controller

ML-2819SDIM

Colour Control Functions  
 Operating Voltage  
 Operating Frequency  
 IP Rating  
 Dimensions  
 Required Receiver

Single colour  
 Control 4 zones (separately or synchronised), 3 different scenes & dimming control  
 4.5VDC battery (not included)  
 434MHz  
 IP20  
 L 55mm x H 120mm x D 17mm  
 ML-VLC-C5

The single colour controller offers smooth and consistent remote dimming via RF (Radio Frequency) to control any LED product connected to the receiver (purchased separately). The ML-2819SDIM also features 4 zone control and 3 memory functions that can memorise your favourite settings.



## RGBW Remote Controller

ML-2819S

Colour Control Functions  
 Operating Voltage  
 Operating Frequency  
 IP Rating  
 Dimensions  
 Required Receiver

RGB  
 RGB colour change control, 4 zones (separate or synchronised), 3 different scenes & dimming control  
 4.5VDC battery (3x AAA not included)  
 434MHz  
 IP20  
 L 55mm x H 120mm x D 21mm  
 ML-VLC-C5

The RGB wireless controller is the 'all round' pick of remotes for RGB LED strips. Working with the ML-VLC-C5 this remote can control colours, 4 zones and a white output. With 10 preset colour changing modes this remote is very universal in its applications.



## RGBW Remote Controller

ML-2819T8

Colour Control Functions  
 Operating Voltage  
 IP Rating  
 Dimensions  
 Required Receiver

RGB + white  
 RGB colour change, white control, 8 zones, speed & brightness control  
 3VDC battery (2 x AAA not included)  
 IP20  
 L 44mm x H 131mm x D 24mm  
 ML-VLC-C5

This RGBW wireless remote offers up to 8 zones of RGBW all-in-one remote. Working wirelessly with the ML-VLC-C5 receiver this remote has full control of all colours individually and allows both speed and brightness control of the various modes. Supplied with storage cradle.

# LED Controllers



## 1-10V Signal Dimmer

ML-DIM-S

M-Elec's plate-mounted 1-10V signal dimmer allows the user to blend the 1-10V controller with traditional dimmers and switch plates seamlessly. Integrating into conventional standard style switch plates and working with one or multiple 1-10V controllers, the ML-DIM-S will dim LED strips and modules perfectly.

\*Dimmer only, plate not included

\* This is not a 240VAC Dimmer, it's a control dimmer

\*IP20

## 0-10V 4 Channel Dimmer

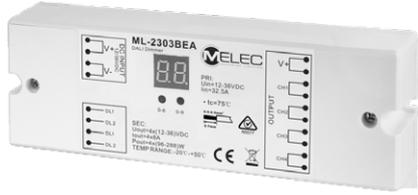
ML-2002



Input Voltage	12-36VDC
Input Control	0-10V signal
Input Channels	4
Output Power	4 x (60-180)W
Output Channels	4
IP Rating	IP20
Dimensions	L 166mm x H 23mm x D 53.4mm

The 0-10V 4 channel dimmer allows full control of strips and other constant voltage products. 0-10V gives superior dimming control with 256 levels on each channel. Capable of working with 1-10V dimmer controllers (ML-DIM-S) and other 0-10V inputs such as Dynalite and C-Bus systems (see manufacturer for details).

# LED Controllers



## 4 Channel DALI Dimmer

ML-2303BEA

Colour Control	RGB, RGB + white or Hybrid strips
Input Voltage	12-36VDC
Input Control	DALI
Input Channels	4
Output Power	4 x (96-288)W
Suitable Strip	RGB, CCT & RGBW
Output Current	1-4A x 4 channels
IP Rating	IP20
Dimensions	L 169mm x H 59mm x D 28.6mm

The new 4 channel DALI dimmer unit allows easy DALI address programming either manually or automatically offering RGB, RGB + white or Hybrid strip colour control from the one unit. Digital indicator for address display, with 4 channel capability the DALI addresses can be set from 1 to 4, matching all DALI systems in the marketplace.

## 5 Channel Controller

ML-VLC-C5



Colour Control	CCT, RGBW, RGB+CCT, DIMMING
Input Voltage	12-24VDC
Output Current	5 x 4A
Input Channels	5
Output Power	5 x 48-96W
Output Type	12-24V constant voltage output
Operating Temperature	-20°C to +50°C
IP Rating	IP20
Dimensions	L 145mm x H 46.5mm x D 16mm
Warranty	7 years

The C5 controller offers remote (RF) or Wi-Fi (Tuya App) control and is able to handle RGB, RGB+W, RGB+W+WW, CCT, or single channel dimming.

# 24V Power Supplies | Non Dimmable



## 30W Constant Voltage Non Dimmable



ML-VLPS-C30

Power (Max)	30W
Input Voltage	100-240V
Output Voltage	24V DC*
Outputs	1
IP Rating	IP20
Warranty	7 years
Size	L 260mm x W 30mm x H 18.5mm



## 60W Constant Voltage Non Dimmable



ML-VLPS-C60

Power (Max)	60W
Input Voltage	100-240V
Output Voltage	24V DC*
Outputs	1
IP Rating	IP20
Warranty	7 years
Size	L 300mm x W 30mm x H 18.5mm

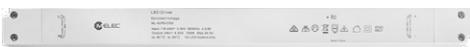


## 100W Constant Voltage Non Dimmable



ML-VLPS-C100

Power (Max)	100W
Input Voltage	100-240V
Output Voltage	24V DC*
Outputs	1
IP Rating	IP20
Warranty	7 years
Size	L 330mm x W 30mm x H 22mm



## 150W Constant Voltage Non Dimmable



ML-VLPS-C150

Power (Max)	150W
Input Voltage	100-240V
Output Voltage	24V DC*
Outputs	1
IP Rating	IP20
Warranty	7 years
Size	L 368mm x W 30mm x H 22.5mm

\*Only suitable for use with 24V LED Strip

## 24V Power Supplies | Non Dimmable



### 200W Constant Voltage Non Dimmable

ML-VLPS-C200

Power (Max)	200W
Input Voltage	100-240V
Output Voltage	24V DC*
Outputs	2
IP Rating	IP66
Warranty	7 years
Size	L 256mm x W 78mm x H 47mm



### 300W Constant Voltage Non Dimmable

ML-VLPS-C300

Power (Max)	300W
Input Voltage	100-240V
Output Voltage	24V DC*
Outputs	2
IP Rating	IP66
Warranty	7 years
Size	L 276mm x W 78mm x H 47mm



### 360W Constant Voltage Non Dimmable

ML-VLPS-C360

Power (Max)	360W
Input Voltage	170-265V
Output Voltage	24V DC*
Outputs	2
IP Rating	IP66
Warranty	7 years
Size	L 276mm x W 78mm x H 47mm

# 24V Power Supplies | Dimmable



## 30W Constant Voltage Dimmable



ML-VLPS-D30

Power (Max)	30W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	24V DC*
Outputs	1
IP Rating	IP66
Warranty	7 years
Size	L 260mm x W 32mm x H 20mm



## 60W Constant Voltage Dimmable



ML-VLPS-D60

Power (Max)	60W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	24V DC*
Outputs	1
IP Rating	IP66
Warranty	7 years
Size	L 300mm x W 32mm x H 20mm



## 100W Constant Voltage Dimmable



ML-VLPS-D100

Power (Max)	100W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	24V DC*
Outputs	1
IP Rating	IP66
Warranty	7 years
Size	L 330mm x W 32mm x H 20mm



## 150W Constant Voltage Dimmable



ML-VLPS-D150

Power (Max)	150W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	24V DC*
Outputs	1
IP Rating	IP66
Warranty	7 years
Size	L 368mm x W 32mm x H 23mm

\*Only suitable for use with 24V LED Strip

# 24V Power Supplies | Dimmable



## 200W Constant Voltage Dimmable

ML-VLPS-D200

Power (Max)	200W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	24V DC*
Outputs	1
IP Rating	IP66
Warranty	7 years
Size	L 256mm x W 78mm x H 47mm

## 300W Constant Voltage Dimmable

ML-VLPS-D300



Power (Max)	300W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	24V DC*
Outputs	1
IP Rating	IP66
Warranty	7 years
Size	L 276mm x W 78mm x H 47mm

## 360W Constant Voltage Dimmable

✓ Order In Only

ML-VLPS-D360



Power (Max)	360W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	24V DC*
Outputs	1
IP Rating	IP66
Warranty	7 years
Size	L 276mm x W 78mm x H 47mm

# 12V Power Supplies | Non Dimmable

## 200W Constant Voltage Non Dimmable

ML-PSWP200-X2



Power (Max)	200W
Input Voltage	240V
Output Voltage	12V DC*
Outputs	2
IP Rating	IP66
Warranty	3 years
Size	L 256mm x W 78mm x H 47mm



## 300W Constant Voltage Non Dimmable

ML-PSWP300-X2



Power (Max)	300W
Input Voltage	240V
Output Voltage	12V DC*
Outputs	2
IP Rating	IP66
Warranty	3 years
Size	L 276mm x W 78mm x H 47mm



# 12V Power Supplies | Dimmable



## 60W Constant Voltage Dimmable



ML-PSD60-X2

Power (Max)	60W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	12V DC*
Outputs	1
IP Rating	IP66
Warranty	3 years
Size	L 300mm x W 32mm x H 20mm



## 100W Constant Voltage Dimmable



ML-PSD100-X2

Power (Max)	100W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	12V DC*
Outputs	1
IP Rating	IP66
Warranty	3 years
Size	L 330mm x W 32mm x H 20mm



## 150W Constant Voltage Dimmable



ML-PSD150-X2

Power (Max)	150W
Dimmable	Yes (Triac, 0/1-10V, Potentiometer, 10V PWM)
Input Voltage	200-240V AC
Output Voltage	12V DC*
Outputs	1
IP Rating	IP66
Warranty	3 years
Size	L 368mm x W 32mm x H 23mm



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