UP TO 20 METER RUNS
20 METERS
MAXI LENGTH TECHNOLOGY

# VALO™

BY M-ELEC

## ALL YOUR 24V LED STRIP NEEDS

- LED strip
- ALU housing
- Controllers
- Power supplies

7 YEAR WARRANTY

MWORLD OSW NOW THROUGH SPARKYS UNITED

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

24V · 4.8W · 40,000H · 120° BEAM · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

## 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) |
| CRI | 80 |
| 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 |
| Temperature Range | -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 |

24V · 7.2W · 40,000H · IP20 · 20M RUN · 7 YEAR WARRANTY · FREE OSW

## Long Run LED Strip

ML-VLMX-7.2-W50 White 50m
ML-VLMX7.2-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) |
| CRI | 80 |
| 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 |
| Temperature Range | -40°C to +70°C |
| Average Life | 40,000 hrs** |
| Warranty | 7 years |
| Kit Includes | 1 x 50m LED strip, 25 x connectors |

24V · 9.6W · 40,000H · 120° BEAM · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

## 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) |
| CRI | 80 |
| 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 |
| Temperature Range | -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 · 10W · 40,000H · BEAM 120° · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

**Colour**

Available in WW, NW & W

**Dotless LED Output**

Continuous light output for a smoother diffusion

**Length**

Comes in 50m roll

## 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 I (NW) 989lm I (W) 1080lm |
| Efficacy | Up to 108lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | 3000K (WW) I 4000K (NW) I 6500K (W) |
| CRI | 90 |
| LED Chip & Qty | COB I 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 |
| Temperature Range | -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 Single Colour

24V · 11.5W · 40,000H · BEAM 120° · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

## 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 I (NW) 1590lm I (W) 1610lm |
| Efficacy | Up to 140lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | 3000K (WW) I 4000K (NW) I 6500K (W) |
| CRI | 80 |
| LED Chip & Qty | SMD3014 I 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 |
| Temperature Range | -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 |

24V · 14.4W · 40,000H · BEAM 120° · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

## 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 I (NW) 980lm I (W) 1010lm |
| Efficacy | Up to 70lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | 3000K (WW) I 4000K (NW) I 6000K (W) |
| CRI | 97 |
| LED Chip & Qty | SMD2835 I 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 10mm x H 1.1mm / L 50m x W 10mm x H 1.1mm |
| Temperature Range | -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 |

24V · 17.2W · 40,000H · BEAM 120° · IP20 · 5M RUN · 7 YEAR WARRANTY · FREE OSW

## 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 I (NW) 2370lm I (W) 2410lm |
| Efficacy | Up to 140lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | 3000K (WW) I 4000K (NW) I 6500K (W) |
| CRI | 90 |
| LED Chip & Qty | SMD3014 I 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 |
| Temperature Range | -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 · 7.2W · 40,000H · 120° BEAM · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

### 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 I 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 |
| Temperature Range | -40°C to +70°C |
| Average Life | 40,000 hrs** |
| Warranty | 7 years |
| Kit Includes | 1 x 50m LED strip, 25 x connectors |

24V · 12W · 40,000H · 120° BEAM · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

### 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 I (NW) 700lm I (W) 700lm |
| Efficacy | Up to 58lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | RGBWW: 3000K I RGBNW: 4000K I RGBW: 6000K |
| LED Chip & Qty | SMD2835 I 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 |
| Temperature Range | -40°C to +70°C |
| Average Life | 40,000 hrs** |
| Warranty | 7 years |
| Kit Includes | 1 x 50m LED Strip, 25 x connectors |

24V · 14.4W · 40,000H · 120° BEAM · IP20 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

### High Output RGB LED Strip

ML-VL-14.4-RGB50 Colour Changing 50m

| | |
|---|---|
| Total Power Consumed (pm/) | 14.4W* |
| Input Voltage | 24V DC |
| Colour Temperature | RGB |
| LED Chip & Qty | SMD5050 I 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 |
| Temperature Range | -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 · 15W · 40,000H · 180° BEAM · IP20 · 5M RUN · 7 YEAR WARRANTY · FREE OSW

### 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 I 840/m |
| Beam Angle | 180° |
| Dimmable | Yes (with correct power supply and controller) |
| Approx Min Cut | 50mm |
| Maximum Run length | m |
| IP Rating | IP20 |
| Dimensions | L 50m x W 10mm x H 2.3mm |
| Temperature Range | -40°C to +70°C |
| Average Life | 40,000 hrs** |
| Warranty | 7 years |
| Kit Includes | 1 x 50m LED strip, 25 x connectors |

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

24V | 9.6W | 40,000H | 150° BEAM | IP65 | 5M RUN | 7 YEAR WARRANTY | FREE OSW

**Colour**

Available in White (W)

**Seemless 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) |
| CRI | 80 |
| LED Chip & Qty | SMD2835 I 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 |
| Temperature Range | -40°C to +70°C |
| Average Life | 40,000 hrs** |
| Warranty | 7 years |
| Kit Includes | 1 x 20m LED strip, 8 x end-cap with hole, 8 x end-cap without hole, 40 x mounting clips, 4 x input cables with 100cm bare wire |



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

24V | 4.8W | 40,000H | 120° BEAM | IP65 | 10M RUN | 7 YEAR WARRANTY | FREE OSW

## 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 I (NW) 360lm I (W) 390lm |
| Efficacy | Up to 80lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | 3000K (WW) I 4000K (NW) I 6000K (W) |
| CRI | 80 |
| LED Chip & Qty | SMD3528 I 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 |
| Temperature Range | -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 |

24V | 9.6W | 40,000H | IP65 | 10M RUN | 7 YEAR WARRANTY | FREE OSW

## 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 I (NW) 690lm I (W) 780lm |
| Efficacy | Up to 80lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | 3000K (WW) I 4000K (NW) I 6000K (W) |
| CRI | 80 |
| LED Chip & Qty | SMD3528 I 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 10.5mm x H 4mm |
| Temperature Range | -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 |

24V | 11.5W | 40,000H | 120° BEAM | IP65 | 10M RUN | 7 YEAR WARRANTY | FREE OSW

## 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 I (NW) 1590lm I (W) 1610lm |
| Efficacy | Up to 140lm/W |
| Input Voltage | 24V DC |
| Colour Temperature | 3000K (WW) I 4000K (NW) I 6500K (W) |
| CRI | 90 |
| LED Chip & Qty | SMD3014 I 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 |
| Temperature Range | -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

24V · 7.2W · 40,000H · 120° BEAM · IP65 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

### 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 I 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 |
| Temperature Range | -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 |

24V · 14.4W · 40,000H · 120° BEAM · IP65 · 10M RUN · 7 YEAR WARRANTY · FREE OSW

### 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 I 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 |
| Temperature Range | -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 |

24V · 14.4W · 40,000H · 130° BEAM · IP65 · 5M RUN · 7 YEAR WARRANTY · FREE OSW

### 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 I 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 50m x W 10mm x H 12mm |
| Temperature Range | -40°C to +70°C |
| Average Life | 40,000 hrs** |
| Warranty | 7 years |
| Kit Includes | 1x 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

3 YEAR WARRANTY

### RGB Colour

ML-RGBC30
ML-RGBC100

| | |
|---|---|
| Rated Voltage | 300V |
| Suitable Voltage | 12-24V DC |
| Conductor Size | 0.38mm² |
| Colour Conductors | Red, green, blue & black |
| Flame Retardant Grade | VW-1 |
| Rated Temperature | 80°C |
| Length | 30m, 100m |

3 YEAR WARRANTY

### RGBW Colour

ML-RGBWC30
ML-RGBWC100

| | |
|---|---|
| Rated Voltage | 300V |
| Suitable Voltage | 12-24V DC |
| Conductor Size | 0.38mm² |
| Colour Conductors | Green, black, red, white & blue |
| Flame Retardant Grade | VW-1 |
| Rated Temperature | 80°C |
| Length | 30m, 100m |



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

# 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

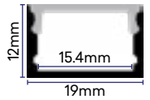


# Aluminium Housing

### Universal Aluminium Profile (2m)

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

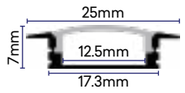
| | |
|---|---|
| Dimensions | L 2m x W 19mm x H 12mm |
| 2m Kit Includes | 1 x 2m Aluminium housing<br>1 x 2m Opaque diffuser (ML-ALU2-DIFF-V3)<br>2 x End-caps (ML-ALU2/4-EC-V3) |
| Minimum Order | 2 Kits (minimum due to safe packing methods) |
| Optional | 2m Clear diffuser (ML-ALU2-DIFFC-V3) |



### Recessed Aluminium Profile (2m)

ML-ALUR-K-V3 Aluminium Profile Kit

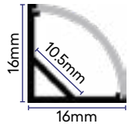
| | |
|---|---|
| Dimensions | L 2m x W 25mm x H 7mm |
| Cut Out Width | 17.3mm |
| Kit Includes | 1 x 2m Aluminium housing,<br>1 x 2m Opaque diffuser (ML-ALUR-DIFF-V3),<br>2 x End-caps (ML-ALUR-EC-V3),<br>4 x Mounting brackets (ML-ALUR-MB-V3) |
| Minimum Order | 2 Kits (minimum due to safe packing methods)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



### Corner Aluminium Profile (2m)

ML-ALUCR-K-V3 Aluminium Profile Kit

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



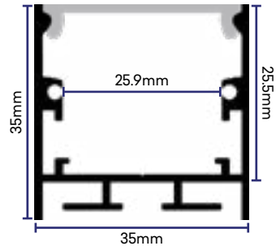
# Aluminium Housing

3 YEAR WARRANTY

## Suspended Aluminium Profile (4m)

ML-ALUSUS-K-V3 Aluminium Profile Kit

| | |
|---|---|
| Dimensions | L 4m x W 35mm x H 35mm |
| Kit Includes | 1 x 4m Aluminium housing,<br>1 x 4m Opaque diffuser (ML-ALUSUS-DIFF-V3),<br>8 x End-caps (4 x with holes, 4 x without holes),<br>4 x Suspension kits |
| Individual Suspension Kit | 4 x Roof fixing points, 4 x Profile fixing points,<br>4 x 1200mm suspension wire<br>2 x Screws |
| Minimum Order | 1 Kit |




## Surface Aluminium Profile (4m)

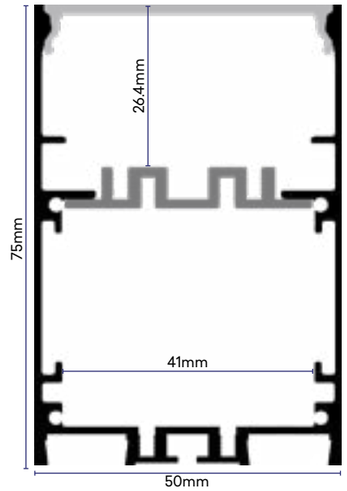
DRIVER FITS INSIDE

ML-ALU-5075-4M Aluminium Profile Kit

| | |
|---|---|
| Dimensions | L 4m x W 50mm x H 75mm |
| Kit Includes | 1 x 4m Aluminium profile<br>1 x 4m Opaque diffuser<br>4 x End caps, 2 x with hole, 2 x without hole<br>(ML-ALU-5075-EC)<br>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.

3 YEAR WARRANTY






# Aluminium Housing

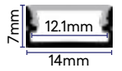
3 YEAR WARRANTY

## Click-in Aluminium Profile (2m)

ML-ALU-1407-2M Aluminium Profile Kit

| | |
|---|---|
| Dimensions | L 2m x W 14mm x H 7mm |
| Kit Includes | 1 x 2m Aluminium profile<br>1 x 2m opaque diffuser<br>4 x End caps - 2 x with hole, 2 x without hole<br>(ML-ALU-1407-EC)<br>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.



3 YEAR WARRANTY

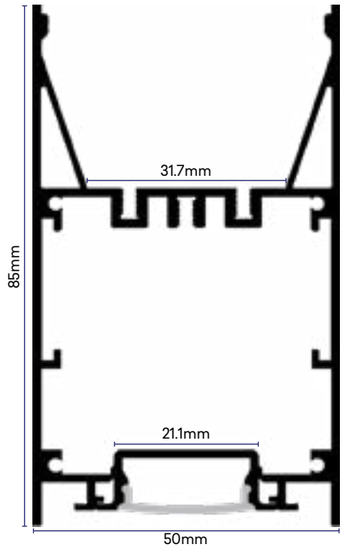
## Dual Illumination Aluminium Housing (4m)

DRIVER FITS INSIDE

ML-ALU-5085-4M Aluminium Profile Kit

| | |
|---|---|
| Dimensions | L 4m x W 50mm x H 85mm |
| Kit Includes | 1 x 4m Aluminium profile<br>1 x 4m Opaque diffuser<br>4 x End caps, 2 x with hole, 2 x without hole<br>(ML-ALU-5085-EC)<br>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

## RGBW Remote Controller

ML-2819S

| | |
|---|---|
| Colour Control | RGB |
| Functions | RGB colour change control, 4 zones (separate or synchronised), 3 different scenes & dimming control |
| Operating Voltage | 4.5VDC battery (3x AAA not included) |
| Operating Frequency | 434MHz |
| IP Rating | IP20 |
| Dimensions | L 55mm x H 120mm x D 21mm |
| Required Receiver | 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.

3 YEAR WARRANTY

## 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

3 YEAR WARRANTY

# LED Controllers

## 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).

FREE OSW · 3 YEAR WARRANTY

## 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.

FREE OSW · 7 YEAR WARRANTY



# 24V Power Supplies | Non Dimmable

## 30W Constant Voltage Non Dimmable

FITS INSIDE ALU

ML-VLPS-C30

| | |
|---|---|
| Power (Max) | 30W |
| Input Voltage | 100-240V |
| Output Voltage | 24V DC* |
| Outputs | 1 |
| IP Rating | IP20 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 260mm x W 30mm x H 18.5mm |
| Kit Includes | 1 x Power supply with flex & plug |

24V DC · IP20 · 7 YEAR WARRANTY · FREE OSW

## 60W Constant Voltage Non Dimmable

FITS INSIDE ALU

ML-VLPS-C60

| | |
|---|---|
| Power (Max) | 60W |
| Input Voltage | 100-240V |
| Output Voltage | 24V DC* |
| Outputs | 1 |
| IP Rating | IP20 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 300mm x W 30mm x H 18.5mm |
| Kit Includes | 1 x Power supply with flex & plug |

24V DC · IP20 · 7 YEAR WARRANTY · FREE OSW

## 100W Constant Voltage Non Dimmable

FITS INSIDE ALU

ML-VLPS-C100

| | |
|---|---|
| Power (Max) | 100W |
| Input Voltage | 100-240V |
| Output Voltage | 24V DC* |
| Outputs | 1 |
| IP Rating | IP20 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 330mm x W 30mm x H 22mm |
| Kit Includes | 1 x Power supply with flex & plug |

24V DC · IP20 · 7 YEAR WARRANTY · FREE OSW

## 150W Constant Voltage Non Dimmable

FITS INSIDE ALU

ML-VLPS-C150

| | |
|---|---|
| Power (Max) | 150W |
| Input Voltage | 100-240V |
| Output Voltage | 24V DC* |
| Outputs | 1 |
| IP Rating | IP20 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 368mm x W 30mm x H 22.5mm |
| Kit Includes | 1 x Power supply with flex & plug |

24V DC · IP20 · 7 YEAR WARRANTY · FREE OSW

*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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 256mm x W 78mm x H 47mm |
| Kit Includes | 1 x Power supply with flex & plug |

24V DC IP66 7 YEAR WARRANTY FREE OSW

## 300W Constant Voltage Non Dimmable

ML-VLPS-C300

| | |
|---|---|
| Power (Max) | 300W |
| Input Voltage | 100-240V |
| Output Voltage | 24V DC* |
| Outputs | 2 |
| IP Rating | IP66 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 276mm x W 78mm x H 47mm |
| Kit Includes | 1 x Power supply with flex & plug |

24V DC IP66 7 YEAR WARRANTY FREE OSW

## 360W Constant Voltage Non Dimmable

ML-VLPS-C360

| | |
|---|---|
| Power (Max) | 360W |
| Input Voltage | 170-265V |
| Output Voltage | 24V DC* |
| Outputs | 2 |
| IP Rating | IP66 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 276mm x W 78mm x H 47mm |
| Kit Includes | 1 x Power supply with flex & plug |

24V DC IP66 7 YEAR WARRANTY FREE OSW



*Only suitable for use with **24V** LED Strip

# **24V Power Supplies** | Dimmable

## 30W Constant Voltage Dimmable

FITS INSIDE ALU

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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 260mm x W 32mm x H 20mm |

24V DC IP66 7 YEAR WARRANTY FREE OSW

## 60W Constant Voltage Dimmable

FITS INSIDE ALU

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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 300mm x W 32mm x H 20mm |

24V DC IP66 7 YEAR WARRANTY FREE OSW

## 100W Constant Voltage Dimmable

FITS INSIDE ALU

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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 330mm x W 32mm x H 20mm |

24V DC IP66 7 YEAR WARRANTY FREE OSW

## 150W Constant Voltage Dimmable

FITS INSIDE ALU

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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 368mm x W 32mm x H 23mm |

24V DC IP66 7 YEAR WARRANTY FREE OSW

*Only suitable for use with **24V** LED Strip

# **24V Power Supplies** | Dimmable

24V DC · IP66 · 7 YEAR WARRANTY · FREE OSW

### 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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 256mm x W 78mm x H 47mm |

24V DC · IP66 · 7 YEAR WARRANTY · FREE OSW

### 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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 276mm x W 78mm x H 47mm |

24V DC · IP66 · 7 YEAR WARRANTY · FREE OSW

### 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 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 7 years |
| Dimensions | L 276mm x W 78mm x H 47mm |



*Only suitable for use with **24V** LED Strip

# **12V Power Supplies** | Non Dimmable

### 200W Constant Voltage Non Dimmable

ML-PSWP200-X2

12V DC · IP66 · 3 YEAR WARRANTY · FREE OSW

| | |
|---|---|
| Power (Max) | 200W |
| Input Voltage | 240V |
| Output Voltage | 12V DC* |
| Outputs | 2 |
| IP Rating | IP66 |
| Warranty | 3 years |
| Dimensions | L 256mm x W 78mm x H 47mm |
| Kit Includes | 1 x Power supply with flex & plug |

### 300W Constant Voltage Non Dimmable

ML-PSWP300-X2

12V DC · IP66 · 3 YEAR WARRANTY · FREE OSW

| | |
|---|---|
| Power (Max) | 300W |
| Input Voltage | 240V |
| Output Voltage | 12V DC* |
| Outputs | 2 |
| IP Rating | IP66 |
| Temperature Range | Ta: 40°C Tc: 85°C (-40°C to +60°C) |
| Warranty | 3 years |
| Dimensions | L 276mm x W 78mm x H 47mm |
| Kit Includes | 1 x Power supply with flex & plug |

*Only suitable for use with **12V** LED Strip

# **12V Power Supplies** | Dimmable

## 60W Constant Voltage Dimmable

FITS INSIDE ALU

12V DC · IP66 · 3 YEAR WARRANTY · FREE OSW

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 |
| Dimensions | L 300mm x W 32mm x H 20mm |

## 100W Constant Voltage Dimmable

FITS INSIDE ALU

12V DC · IP66 · 3 YEAR WARRANTY · FREE OSW

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 |
| Dimensions | L 330mm x W 32mm x H 20mm |

## 150W Constant Voltage Dimmable

FITS INSIDE ALU

12V DC · IP66 · 3 YEAR WARRANTY · FREE OSW

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 |
| Dimensions | L 368mm x W 32mm x H 23mm |



*Only suitable for use with **12V** LED Strip

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