



# VALO™

BY M-ELEC



## ALL YOUR 24V LED STRIP NEEDS

• LED strip • ALU housing • Controllers • Power supplies





VALO Range  
Scan now

## 24V LED Strip Lighting | Indoor Single Colour



### Standard LED Strip

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| ML-VL-4.8-W5 White 5m          | ML-VL-4.8-W50 White 50m                          |
| ML-VL-4.8-NW5 Neutral White 5m | ML-VL-4.8-NW50 Neutral White 50m                 |
| ML-VL-4.8-WW5 Warm White 5m    | 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                   | 1x 5m/50m LED strip, 5/25 x connectors           |

### 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               | 1x 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)              |
| 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               | 1x 5m/50m LED strip, 5/25 x connectors           |

\*Total power consumed including driver    \*\*Average life is calculated on expected average lifespan    3

24V LED Strip Lighting | Indoor Single Colour



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)            |
| CRI                        | 90                                             |
| 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                       |
| 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             |

Colour

Available in WW, NW & W

Dotless LED Output

Continuous light output for a smoother diffusion

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-W50 White 50m                           |
| ML-VL-11.5-NW5 Neutral White 5m | ML-VL-11.5-NW50 Neutral White 50m                  |
| ML-VL-11.5-WW5 Warm White 5m    | 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)                |
| CRI                             | 80                                                 |
| 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 |
| 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            |

High Output Full Spectrum LED Strip

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| ML-VLCRI-14.4-W5 White 5m          | ML-VLCRI-14.4-W50 White 50m                        |
| ML-VLCRI-14.4-NW5 Neutral White 5m | ML-VLCRI-14.4-NW50 Neutral White 50m               |
| ML-VLCRI-14.4-WW5 Warm White 5m    | 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)                |
| CRI                                | 97                                                 |
| 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                                               |
| 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            |

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)            |
| CRI                               | 90                                             |
| 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                       |
| 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 LED Strip Lighting | Indoor RGB



24V

7.2W

40,000H

BEAM

IP20

10M RUN

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   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 LED Strip Lighting | Indoor RGB



24V

15W

40,000H

BEAM

IP20

5M RUN

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   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             |

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         | RGBWW: 3000K   RGBNW: 4000K   RGBW: 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                         |
| 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             |



Cutting Service  
Scan now



Online Tools  
Scan now

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   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             |

24V LED Strip Lighting | Outdoor Single Colour



**Seamless LED Output**

Continuous light output for a smoother diffusion

**Colour**

Available in White (W)

**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   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 |

24V LED Strip Lighting | Outdoor Single Colour

**24V**

**4.8W**

**40,000H**

**BEAM**

**IP65**

**10M RUN**

**WARRANTY**

**FREE OSW**

Weather Protected Standard LED Strip

|                                  |                                    |
|----------------------------------|------------------------------------|
| ML-VLWP-4.8-W5 White 5m          | ML-VLWP-4.8-W10 White 10m          |
| ML-VLWP-4.8-NW5 Neutral White 5m | ML-VLWP-4.8-NW10 Neutral White 10m |
| ML-VLWP-4.8-WW5 Warm White 5m    | 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)                                                                         |
| CRI                        | 80                                                                                                          |
| 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                                                              |
| 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 |

Weather Protected High Output LED Strip

|                                  |                                    |
|----------------------------------|------------------------------------|
| ML-VLWP-9.6-W5 White 5m          | ML-VLWP-9.6-W10 White 10m          |
| ML-VLWP-9.6-NW5 Neutral White 5m | ML-VLWP-9.6-NW10 Neutral White 10m |
| ML-VLWP-9.6-WW5 Warm White 5m    | 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)                                                                         |
| CRI                        | 80                                                                                                          |
| 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 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 |

Weather Protected Ultra Bright LED Strip

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| ML-VLWP-11.5-W5 White 5m          | ML-VLWP-11.5-W10 White 10m          |
| ML-VLWP-11.5-NW5 Neutral White 5m | ML-VLWP-11.5-NW10 Neutral White 10m |
| ML-VLWP-11.5-WW5 Warm White 5m    | 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) 1610lm                                                                      |
| Efficacy                   | Up to 140lm/W                                                                                               |
| Input Voltage              | 24V DC                                                                                                      |
| Colour Temperature         | 3000K (WW)   4000K (NW)   6500K (W)                                                                         |
| CRI                        | 90                                                                                                          |
| 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                                                          |
| 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 LED Strip Lighting | Outdoor RGB



24V

7.2W

40,000H

BEAM

IP65

10M RUN

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   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 |

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                                                                        |
| 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 |

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 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        | 0.38mm <sup>2</sup>      |
| 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        | 0.38mm <sup>2</sup>             |
| Colour Conductors     | Green, black, red, white & blue |
| Flame Retardant Grade | VW-1                            |
| Rated Temperature     | 80°C                            |
| Length                | 30m, 100m                       |

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 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

Strip-Strip Flex Connectors (5pk)

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

✓ Order In Only

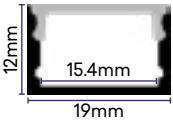
Aluminium Housing



Universal Aluminium Profile (2m)

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

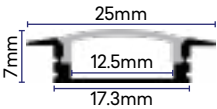
|                 |                                                                                                        |
|-----------------|--------------------------------------------------------------------------------------------------------|
| Dimensions      | L 2m x W 19mm x H 12mm                                                                                 |
| 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

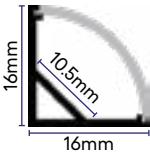
|               |                                                                                                                                                  |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)                                                                                     |



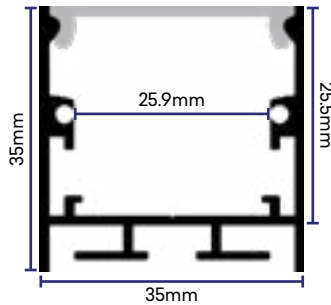
Aluminium Housing



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                                                                                                                                                |

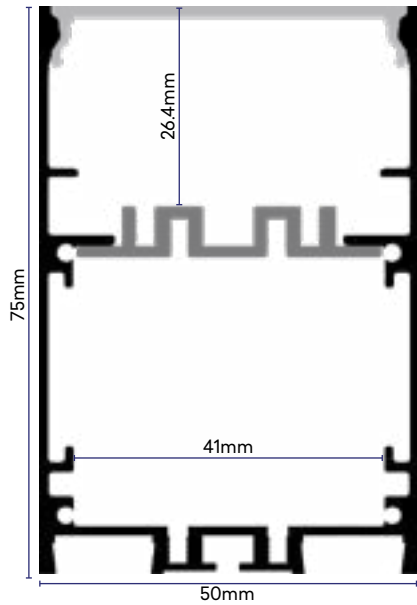


Surface Aluminium Profile (4m)

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.



Aluminium Housing

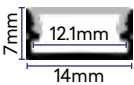


Click-in Aluminium Profile (2m)

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.

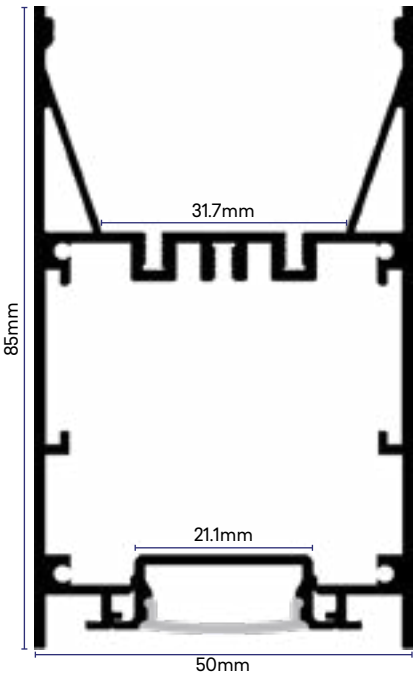


Dual Illumination Aluminium Housing (4m)

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 Functions | RGB<br>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.



## 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



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).



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                               |
| 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  |



60W Constant Voltage Non Dimmable



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  |



100W Constant Voltage Non Dimmable



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  |



150W Constant Voltage Non Dimmable



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 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  |



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  |



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 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                                         |
| 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                    |



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                                         |
| 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                    |



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                                         |
| 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                    |



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                                         |
| 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 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                                         |
| 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                    |

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                           |
| Dimensions     | L 256mm x W 78mm x H 47mm         |
| Kit Includes   | 1 x Power supply with flex & plug |

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                    |



300W Constant Voltage Non Dimmable

ML-PSWP300-X2

|                   |                                    |
|-------------------|------------------------------------|
| 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  |

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                    |

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



At **M-Elec** our goal is to not to just supply electricians with the best products but the best services as well. Be part of the electrical community today.

Sign up to have access to:



Free 3 Year OSW



Tech Support



Exclusive Promos



Reviews & Tests



On the Tools Tips

Register for free now  
[sparkysunited.com.au/warranty](https://sparkysunited.com.au/warranty)





## LED STRIP CALCULATORS

Easy to use online tools that can help make purchasing LED strip lighting simple!



Online Tools  
Scan now



## LED STRIP & ALU CUTTING SERVICE

We'll cut - We'll solder - We'll deliver



Cutting Service  
Scan now