



VALO

LED STRIP & ACCESSORIES
CATALOGUE 2021



Which strip is right for me?

M-Elec offers a range of over 30 different types of LED strip. We have a variety of strip to suit all different applications. From lower wattage indoor strip to all-weather outdoor strip with high outputs for maximum illumination.

Brightness and output by category

Standard > High > Ultra Bright > Max output

Quick reference guide

04 LED Strip Lighting & Accessories



STANDARD LED STRIP 5M
ML-SMDF-4.8-WW
ML-SMDF-4.8-NW
ML-SMDF-4.8-W



STANDARD LED STRIP 50M
ML-SMDF-4.8-WW50
ML-SMDF-4.8-NW50
ML-SMDF-4.8-W50



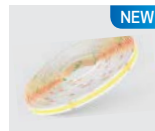
LONG RUN STRIP 20M
ML-SMDF-7.2-WW
ML-SMDF-7.2-NW
ML-SMDF-7.2-W



HIGH OUTPUT LED STRIP 5M
ML-SMDF-9.6-WW
ML-SMDF-9.6-NW
ML-SMDF-9.6-W



HIGH OUTPUT LED STRIP 50M
ML-SMDF-9.6-WW50
ML-SMDF-9.6-NW50
ML-SMDF-9.6-W50



LASER LED STRIP 5M
ML-FPC-10-WW
ML-FPC-10-NW
ML-FPC-10-W



LASER LED STRIP 50M
ML-FPC-10-WW50
ML-FPC-10-NW50
ML-FPC-10-W50



ULTRA BRIGHT LED STRIP 5M
ML-SMDF-11.5-WW
ML-SMDF-11.5-NW
ML-SMDF-11.5-W



ULTRA BRIGHT LED STRIP 50M
ML-SMDF-11.5-WW50
ML-SMDF-11.5-NW50
ML-SMDF-11.5-W50



MAX OUTPUT LED STRIP 3M
ML-SMDF-17.2-WW
ML-SMDF-17.2-NW
ML-SMDF-17.2-W



MAX OUTPUT LED STRIP 50M
ML-SMDF-17.2-WW50
ML-SMDF-17.2-NW50
ML-SMDF-17.2-W50



HIGH OUTPUT FULL SPECTRUM LED STRIP 5M
ML-SMDF-14.4-CRI97-WW
ML-SMDF-14.4-CRI97-NW
ML-SMDF-14.4-CRI97-W



STANDARD RGB LED STRIP 5M
ML-SMDF-7.2-RGB



STANDARD RGB LED STRIP 50M
ML-SMDF-7.2-RGB50



STANDARD RGB LED STRIP 50M
ML-SMDF-12-RGBW50
ML-SMDF-12-RGBNW50
ML-SMDF-12-RGBWW50



HIGH OUTPUT RGB LED STRIP 5M
ML-SMDF-14.4-RGB



HIGH OUTPUT RGB LED STRIP 50M
ML-SMDF-14.4-RGB50



HIGH OUTPUT RGB, WHITE AND WARM WHITE (HYBRID) LED STRIP 3M
ML-SMDF-28.8-RGBHY



HIGH OUTPUT RGB, WHITE AND WARM WHITE (HYBRID) LED STRIP 50M
ML-SMDF-28.8-RGBHY50



WEATHER PROTECTED STANDARD LED STRIP 5M
ML-WPSMO-4.8-WW
ML-WPSMO-4.8-NW
ML-WPSMO-4.8-W



WEATHER PROTECTED HIGH OUTPUT LED STRIP 5M
ML-WPSMO-9.6-WW
ML-WPSMO-9.6-NW
ML-WPSMO-9.6-W



WEATHER PROTECTED ULTRA BRIGHT LED STRIP 5M
ML-WPSMO-11.5-WW
ML-WPSMO-11.5-NW
ML-WPSMO-11.5-W



WEATHER PROTECTED STANDARD RGB LED STRIP 5M
ML-WPSMO-7.2-RGB



WEATHER PROTECTED HIGH OUTPUT RGB LED STRIP 5M
ML-WPSMO-14.4-RGB



WEATHER PROTECTED HIGH OUTPUT RGB, WHITE AND WARM WHITE (HYBRID) LED STRIP 3M
ML-WPSMO-28.8-RGBHY



RGB STRIP TO POWER CONNECTORS (5 PACK)
ML-RGB-SP-X1
ML-RGBW-SP-X1



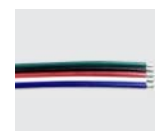
SINGLE STRIP TO POWER CONNECTORS (5 PACK)
ML-SSP-X1
ML-SSP-X1-2



RGB STRIP TO STRIP CONNECTORS (5 PACK)
ML-RGB-CURVE-X1



STRIP TO STRIP CONNECTORS (5 PACK)
ML-CURVE-X1



RGBW COLOUR STRIP CABLES
ML-RGBWC30



RGB COLOUR STRIP CABLES
ML-RGBC30



RGB, RGBW STRIP TO STRIP CONNECTOR
ML-RGB-SS-X1
ML-RGBW-SS-X1



SINGLE STRIP TO STRIP CONNECTOR
ML-SSS-X1

19 ALU Housing



UNIVERSAL 2M
ALUMINIUM PROFILE
ML-ALU2-K-V3



UNIVERSAL 4M
ALUMINIUM PROFILE
ML-ALU4-K-V3



RECESSED
ALUMINIUM PROFILE
ML-ALUR-K-V3



CORNER
ALUMINIUM PROFILE
ML-ALUCR-K-V3



SLIM
ALUMINIUM PROFILE
ML-ALUSLM-K-V3



SUSPENDED
ALUMINIUM PROFILE
ML-ALUSUS-K-V3



1407
ALUMINIUM PROFILE
ML-ALU-1407-4M



1605
ALUMINIUM PROFILE
ML-ALU-1605-4M



5075
ALUMINIUM PROFILE
ML-ALU-5075-4M



5085
ALUMINIUM PROFILE
ML-ALU-5085-4M

22 LED Controllers



SINGLE COLOUR REMOTE
CONTROLLER
ML-2819SDIM



RGBW REMOTE
CONTROLLER
ML-2819S



RGBW REMOTE
CONTROLLER
ML-2819T8



RGBW WALL
CONTROLLER
ML-2820



WALL CONTROLLER
WITH 3 ZONES
ML-2820-US3



RF WALL
CONTROLLER
ML-2830



RF WALL
CONTROLLER
ML-2836DIM-US



0-10V SIGNAL
DIMMER
ML-DIM-S



4 CHANNEL DIMMER
ML-2002



RF & WIFI RECEIVER
ML-1009FAWI



4 CHANNEL DALI DIMMER
ML-2303BEA



POWER AMP
ML-3002



STITCHY 1 CHANNEL
ML-ST-1CH



STITCHY 5 CHANNEL
ML-ST-5CH

29 Power Supplies



CONSTANT VOLTAGE PS20
ML-PS20



CONSTANT VOLTAGE
ML-PSWP30



CONSTANT VOLTAGE
ML-PSWP60



CONSTANT VOLTAGE
ML-PSWP100



CONSTANT VOLTAGE
ML-PSWP150



CONSTANT VOLTAGE
ML-PSWP200-X2



CONSTANT VOLTAGE
ML-PSWP300-X2



TRIAC DIMMABLE
CONSTANT VOLTAGE
ML-PSD10



TRIAC DIMMABLE
CONSTANT VOLTAGE
ML-PSD20



TRIAC DIMMABLE
CONSTANT VOLTAGE
ML-PSD30



TRIAC DIMMABLE
CONSTANT VOLTAGE
ML-PSD80



TRIAC DIMMABLE
CONSTANT VOLTAGE
ML-PSD200

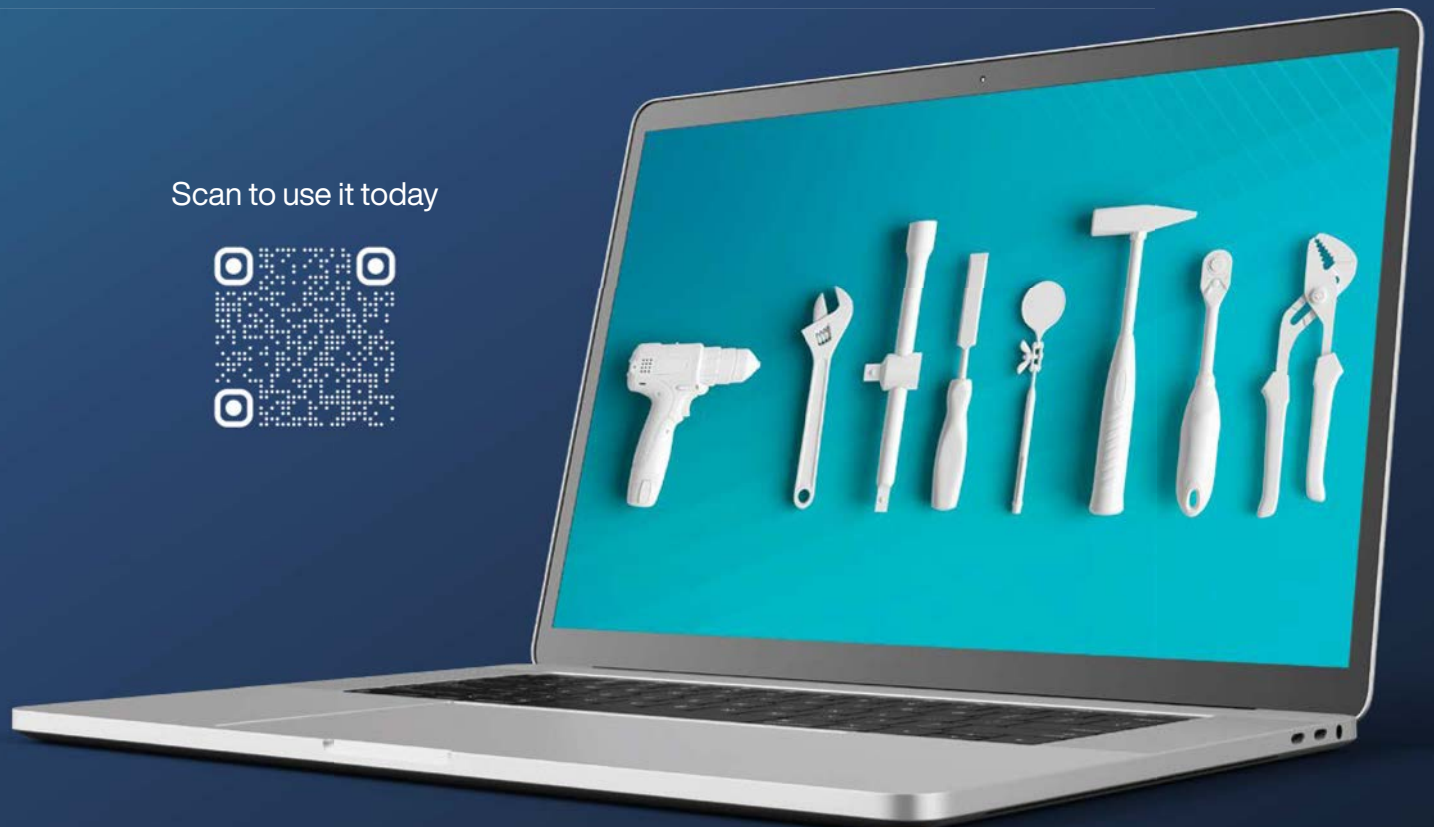


LED STRIP CALCULATOR

To figure out what other products you will need to install your strip use our online calculator tool at mel.ec/calc

If you are still not sure, feel free to give our office a call or your local M-Elec account manager.

Scan to use it today



LED Strip Lighting - Indoor standard lighting



STANDARD LED STRIP

SMD 4.8W 5M

ML-SMDF-4.8-W* White

ML-SMDF-4.8-NW* Neutral white

ML-SMDF-4.8-WW* Warm white

*ALSO AVAILABLE IN 50M ROLLS
ML-SMDF-4.8-W50
ML-SMDF-4.8-NW50
ML-SMDF-4.8-WW50



TOTAL POWER CONSUMED	4.8W
LUMEN OUTPUT	(WW) 350lm (NW) 360lm (W) 390lm
EFFICACY	73-81lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD3528 60
BEAM ANGLE	120 Degrees
MIN CUT	50mm
IP RATING	IP20
DIMENSIONS	L: 5m W: 8mm / L: 50m W: 8mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 Years
KIT INCLUDES	1x 5m LED strip, 5 x Connectors, 1x Installation guide



LONG RUN LED STRIP

SMD 7.2 W 20M

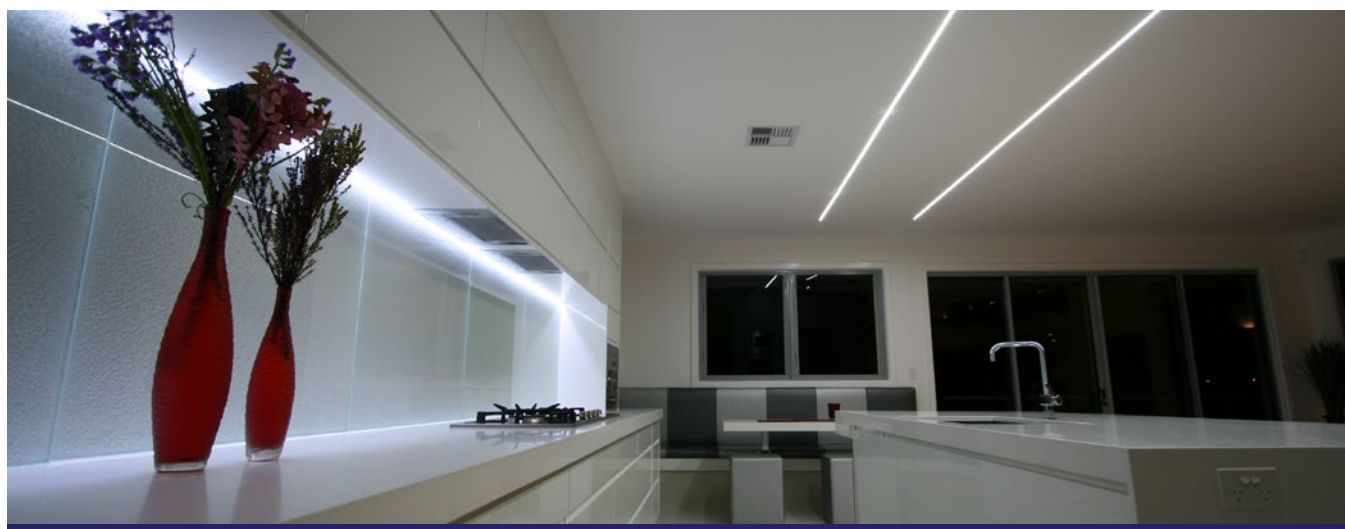
ML-SMDF-7.2-W* White

ML-SMDF-7.2-NW* Neutral white

ML-SMDF-7.2-WW* Warm white



TOTAL POWER CONSUMED	7.2W
LUMEN OUTPUT	(WW) 700lm (NW) 750lm (W) 750lm
EFFICACY	98-104lm/W
INPUT VOLTAGE	24V DC*
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD2835 60/M
BEAM ANGLE	120 Degrees
MIN CUT	100mm
IP RATING	IP20
DIMENSIONS	L: 20m W: 12mm
OPERATING TEMPERATURE	-40 to 70°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1x 20m LED strip, 3m Double Sided Tape
DESCRIPTION	This new strip allows you to run up to 20m without resupplying the strip and keeps a consistent output. (24V DC supply required)





HIGH OUTPUT LED STRIP

SMD 9.6W 5M

ML-SMDF-9.6-W* White

ML-SMDF-9.6-NW* Neutral white

ML-SMDF-9.6-WW* Warm white

*ALSO AVAILABLE IN 50M ROLLS

ML-SMDF-9.6-W50

ML-SMDF-9.6-NW50

ML-SMDF-9.6-WW50



TOTAL POWER CONSUMED	9.6W
LUMEN OUTPUT	(WW) 720lm (NW) 790lm (W) 830lm
EFFICACY	75-86lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD2216 120
BEAM ANGLE	120 Degrees
MIN CUT	25mm
IP RATING	IP20
DIMENSIONS	L: 5m W: 8mm / L: 50m W: 8mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1 x 5m LED strip, 5 x connectors, 1 x installation guide

LASER LED STRIP

FPC 10W 5M

ML-FPC-10-W* White

ML-FPC-10-NW* Neutral white

ML-FPC-10-WW* Warm white

*ALSO AVAILABLE IN 50M ROLLS

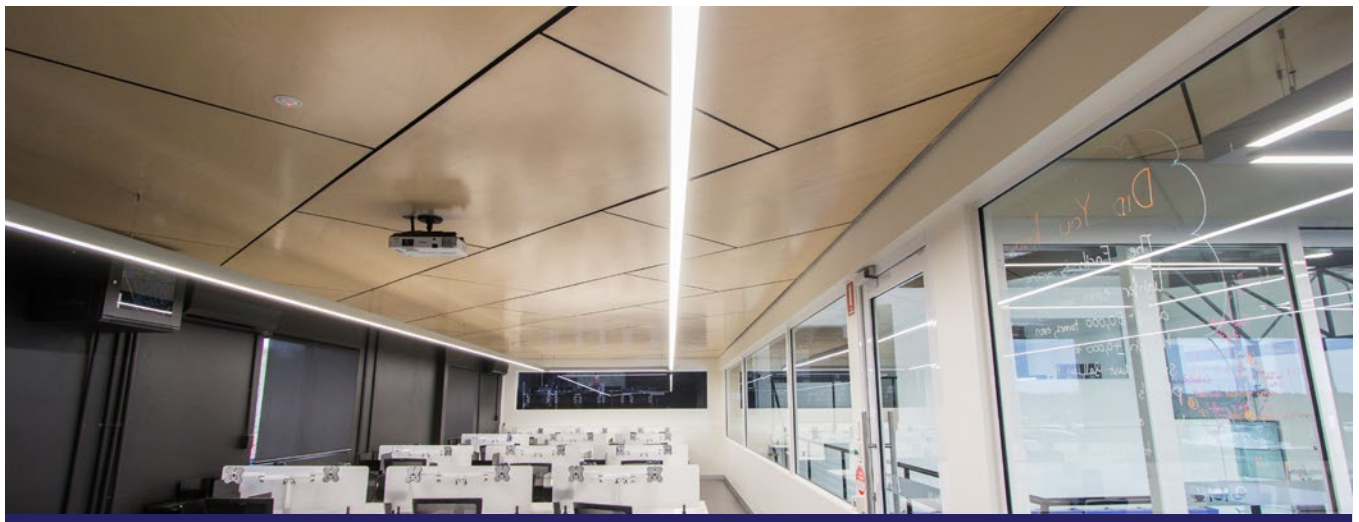
ML-FPC-10-W50

ML-FPC-10-NW50

ML-FPC-10-WW50



TOTAL POWER CONSUMED	10W
LUMEN OUTPUT	(WW) 750lm (NW) 800lm (W) 900lm
EFFICACY	75-90lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	COB 512/M
BEAM ANGLE	140 Degrees
MIN CUT	3125mm
IP RATING	IP20
DIMENSIONS	L: 5m W: 10mm / L: 50m W: 10mm
OPERATING TEMPERATURE	-40 to 70°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1 x LED strip, 5 x connectors, 1 x installation guide





ULTRA BRIGHT LED STRIP

SMDF 11.5W 5M

ML-SMDF-11.5-W White*

ML-SMDF-11.5-NW Neutral white*

ML-SMDF-11.5-WW Warm white*

*ALSO AVAILABLE IN 50M ROLLS

ML-SMDF-11.5-W50

ML-SMDF-11.5-NW50

ML-SMDF-11.5-WW50



11.5W



40,000H



BEAM



IP20



WARRANTY



FREE OSW

TOTAL POWER CONSUMED	11.5W
LUMEN OUTPUT	(WW) 1430lm (NW) 1590lm (W) 1610lm
EFFICACY	125-140lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD3014 128
BEAM ANGLE	120 Degrees
MIN CUT	31.2mm
IP RATING	IP20
DIMENSIONS	L: 5m W: 10mm / L: 50m W: 10mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1 x LED strip, 5 x connectors, 1 x installation guide

MAX OUTPUT LED STRIP

SMDF 17.2W 3M

ML-SMDF-17.2-W White*

ML-SMDF-17.2-NW Neutral white*

ML-SMDF-17.2-WW Warm white*

*ALSO AVAILABLE IN 50M ROLLS

ML-SMDF-17.2-W50

ML-SMDF-17.2-NW50

ML-SMDF-17.2-WW50



17.2W



40,000H



BEAM



IP20



WARRANTY



FREE OSW

TOTAL POWER CONSUMED	17.2W
LUMEN OUTPUT	(WW) 2200lm (NW) 2370lm (W) 2410lm
EFFICACY	125-140lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD3014 192
BEAM ANGLE	120 Degrees
MIN CUT	20mm
IP RATING	IP20
DIMENSIONS	L: 3m W: 10mm / L: 50m W: 10mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1 x LED strip, 3 x connectors, 1 x installation guide





HIGH OUTPUT FULL SPECTRUM LED STRIP

SMDF 14.4W CRI 97 5M

ML-SMDF-14.4-CRI97-W White

ML-SMDF-14.4-CRI97-NW Neutral white

ML-SMDF-14.4-CRI97-WW Warm white



14.4W



40,000H



BEAM



IP20



WARRANTY



FREE OSW

FULL SPECTRUM (HIGH CRI) LED STRIP

With full spectrum LED chips, this LED strip achieves a CRI of more than 97 meaning colours shine their brightest under this LED strip. With a length of 5 meters, cuttable every 3 LED's and coming standard with 3M double sided tape, this strip is reliable, long lasting and has brilliant effects on any surface it is directed towards. This strip is perfectly suited to use in art galleries, clothing stores, wardrobes and any other location in which you need colours to shine brightly.

TOTAL POWER CONSUMED	14.4W
LUMEN OUTPUT	(WW) 880lm (NW) 980lm (W) 1010lm
EFFICACY	61-70lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD2835 60
BEAM ANGLE	120 Degrees
MIN CUT	50mm
IP RATING	IP20
DIMENSIONS	L: 5m W: 8mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1x 5m LED strip, 5 x connectors, 1x installation guide



LED Strip Lighting - Indoor RGB lighting



*ALSO AVAILABLE IN 50M ROLLS
ML-SMDF-7.2-RGB50



NEW

STANDARD RGB LED STRIP

SMD 7.2W RGB 5M

ML-SMDF-7.2-RGB Colour changing*



7.2W



40,000H



BEAM



IP20



WARRANTY



FREE OSW

TOTAL POWER CONSUMED	7.2W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	RGB
LED CHIP & QTY	SMD5050 30
BEAM ANGLE	120 Degrees
MIN CUT	100mm
IP RATING	IP20
DIMENSIONS	L: 5m W: 10mm / L: 50m W: 10mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1 x 5m LED strip, 5 x connectors, 1 x installation guide

STANDARD RGB + W/NW/WW

SMD 12W RGB 50M

ML-SMDF-12-RGBW50 Colour changing, white*

ML-SMDF-12-RGBNW50 Colour changing, neutral white*

ML-SMDF-12-RGBWW50 Colour changing, warm white*



12W



40,000H



BEAM



IP20



WARRANTY



FREE OSW

TOTAL POWER CONSUMED	12W
LUMEN OUTPUT	(WW) 650lm (NW) 700lm (W) 700lm
EFFICACY	55-60lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	(WW) RGB + 3000K (NW) RGB + 4000K (W) RGB + 6500K
LED CHIP & QTY	SMD2110 320
BEAM ANGLE	120 Degrees
MIN CUT	150mm
IP RATING	IP20
DIMENSIONS	L: 50m W: 10mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1 X 50m LED Strip, 25 X connectors, 1 x installation guide





*ALSO AVAILABLE IN 50M ROLLS
ML-SMDF-14.4-RGB50

HIGH OUTPUT RGB LED STRIP

SMD5050 14.4W RGB 5M

ML-SMDF-14.4-RGB* Colour changing



TOTAL POWER CONSUMED	14.4W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	RGB
LED CHIP & QTY	SMD5050 60
BEAM ANGLE	120 Degrees
MIN CUT	50mm
IP RATING	IP20
DIMENSIONS	L: 5m W: 10mm or L: 50m W: 10mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1x 5m LED strip, 5 x connectors, 1x installation guide



*ALSO AVAILABLE IN 50M ROLLS
ML-SMDF-28.8-RGB-HY50

HIGH OUTPUT RGB, WHITE & WARM WHITE (HYBRID) LED STRIP

SMD3528 28.8W RGB HYBRID 3M

ML-SMDF-28.8-RGB-HY* Colour changing



TOTAL POWER CONSUMED	28.8W
LUMEN OUTPUT	1500lm
EFFICACY	50lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	RGB + 3000K (WW) 6000K (W)
LED CHIP & QTY	SMD3528 60
BEAM ANGLE	120 Degrees
MIN CUT	50mm
IP RATING	IP20
DIMENSIONS	L: 3m W: 12mm or L: 50m W: 12mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
**KIT INCLUDES	1x 3m LED strip, 3 x re-joining, 1x installation guide

NOTE This strip does NOT come with connectors and requires the user to direct solder for any re-joins. Requires 5 channel stitchy controller ML-ST-5CH



5 COLOURS IN 1 LED STRIP

With 5 colours in one chip this LED strip is functional, fun and all round fantastic. Covering red, green, blue, white and warm white colours in one chip this strip ensures a nice seamless diffusion of colours and a consistent spread of light throughout the roll. Supplied with strip to power joiners and 3M double sided tape this strip can suit a large variety of jobs and applications including splash backs, kicks, pelmets, feature areas and the front of benches. The best controller to use this strip with is the new 5 channel controller with voice control capability (ML-ST-5CH).

LED STRIP & ALUMINIUM HOUSING CUTTING SERVICE



We'll Cut



We'll Solder



We'll Deliver

AVAILABLE
NOW

Contact projects@melec.com.au



LED Strip Lighting - Outdoor strip



WEATHER PROTECTED STANDARD LED STRIP

WPSMO 4.8W 5M

ML-WPSMO-4.8-W White

ML-WPSMO-4.8-NW Neutral white

ML-WPSMO-4.8-WW Warm white



TOTAL POWER CONSUMED	4.8W
LUMEN OUTPUT	(WW) 330lm (NW) 340lm (W) 370lm
EFFICACY	68-72lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD3528 60
BEAM ANGLE	120 Degrees
MIN CUT	50mm
IP RATING	IP65
DIMENSIONS	L: 5m W: 10.5mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1x 5m LED strip, 20 x saddles, 4 x end-caps, 1x connector with cable, 1x end connector seal, 1x installation guide



WEATHER PROTECTED HIGH OUTPUT LED STRIP

WPSMO 9.6W 5M

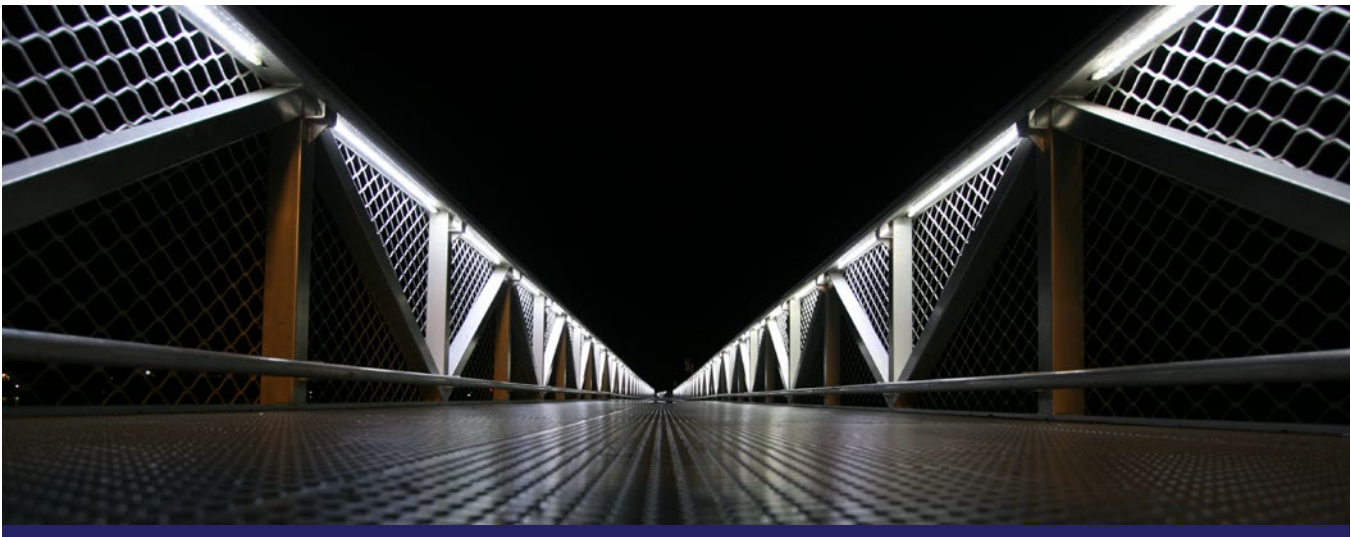
ML-WPSMO-9.6-W White

ML-WPSMO-9.6-NW Neutral white

ML-WPSMO-9.6-WW Warm white



TOTAL POWER CONSUMED	9.6W
LUMEN OUTPUT	(WW) 660lm (NW) 730lm (W) 770lm
EFFICACY	70-80lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD2216 120
BEAM ANGLE	120 Degrees
MIN CUT	25mm
IP RATING	IP65
DIMENSIONS	L: 5m W: 10.5mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1x 5m LED strip, 20 x saddles, 4 x end-caps, 1x connector with cable, 1x end connector seal, 1x installation guide





WEATHER PROTECTED ULTRA BRIGHT LED STRIP

WPSMO 11.5 5M

ML-WPSMO-11.5-W White

ML-WPSMO-11.5-NW Neutral white

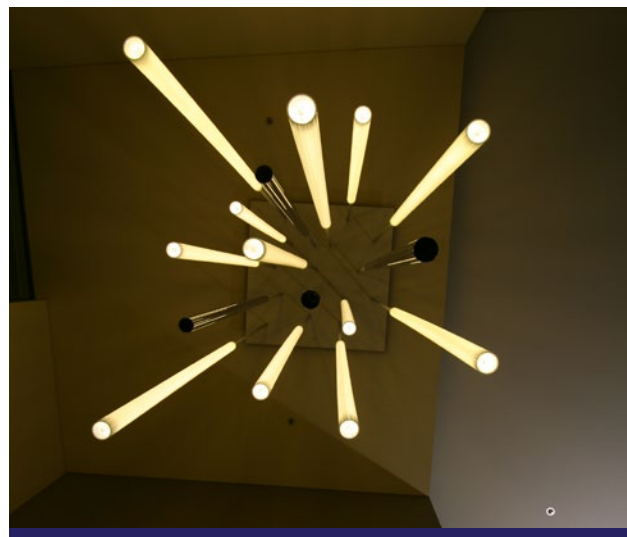
ML-WPSMO-11.5-WW Warm white



TOTAL POWER CONSUMED	11.5W
LUMEN OUTPUT	(WW) 1370lm (NW) 1490lm (W) 1510m
EFFICACY	120-130lm/W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	3000K (WW) 4000K (NW) 6000K (W)
LED CHIP & QTY	SMD3014 128
BEAM ANGLE	120 Degrees
MIN CUT	31.2mm
IP RATING	IP65
DIMENSIONS	L: 5m W: 12.5mm
OPERATING TEMPERATURE	-20 to 45°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, 1 x installation guide

OUTDOOR STRIP

M-Elec outdoor strips utilise a silicone case and 3M double sided tape to make cutting and re-joining easy. Unlike other outdoor strips in the market M-Elec's silicone case does not stick to the LED strip making it easy to cut and move forward or back for neat re-sealing. M-Elec have designed the strip to have double sided tape installed on the backing to make reconnection to the strip even stronger as it binds to the connector.





WEATHER PROTECTED STANDARD RGB LED STRIP

WPSMO 7.2 RGB 5M

ML-WPSMO-7.2-RGB *Colour changing*



7.2W



40,000H



BEAM



IP65



WARRANTY



FREE OSW

TOTAL POWER	7.2W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	RGB
LED CHIP & QTY	SMD5050 30
BEAM ANGLE	120 Degrees
MIN CUT	100mm
IP RATING	IP65
DIMENSIONS	L: 5m W: 12.5mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1x 5m LED strip, 20 x saddles, 4 x end-caps, 1x connector with cable, 1x end connector seal, 1x installation guide

WEATHER PROTECTED HIGH OUTPUT RGB LED STRIP

WPSMO 14.4 RGB 5M

ML-WPSMO-14.4-RGB *Colour changing*



14.4W



40,000H



BEAM



IP65



WARRANTY



FREE OSW

TOTAL POWER CONSUMED	14.4W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	RGB
LED CHIP & QTY	SMD5050 60
BEAM ANGLE	120 Degrees
MIN CUT	50mm
IP RATING	IP65
DIMENSIONS	L: 5m W: 12.5mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	1x 5m LED strip, 20 x saddles, 4 x end-caps, 1x connector with cable, 1x end connector seal, 1x installation guide





WEATHER PROTECTED HIGH OUTPUT RGB WHITE +WARM WHITE

WPSMO 28.8RGB HYBRID 3M

ML-WPSMO-28.8-RGBHY Colour changing



28.8W



40,000H



BEAM



IP65

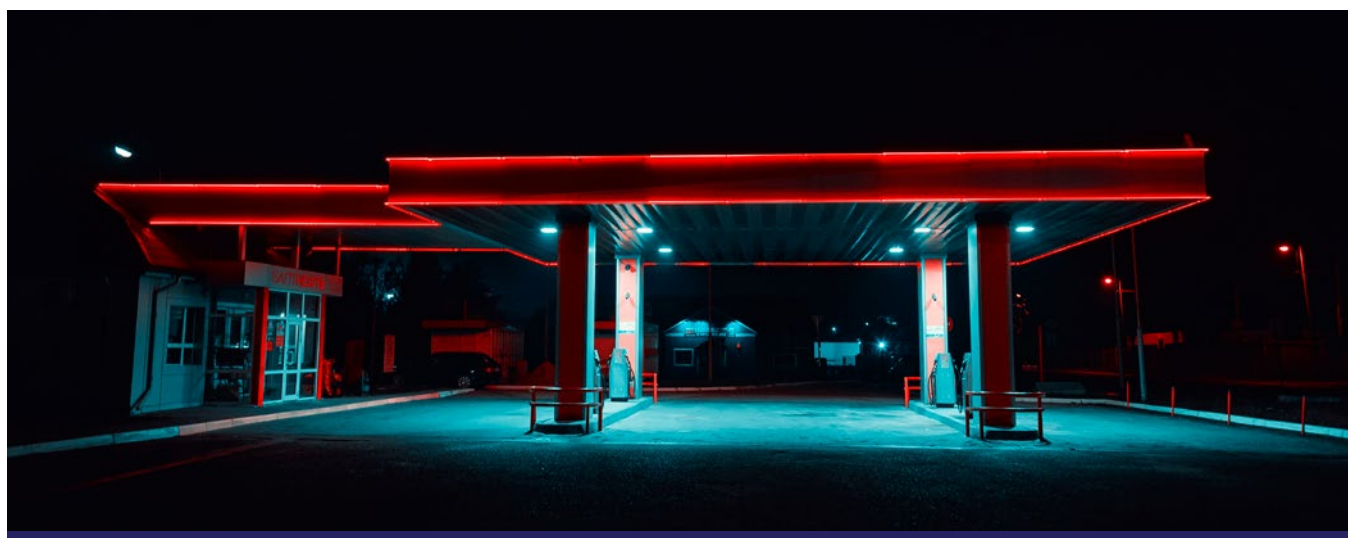


WARRANTY



FREE OSW

TOTAL POWER CONSUMED	28.8W
INPUT VOLTAGE	12V DC
COLOUR TEMPERATURE	RGB + WW (3000K) + W (6000K)
LED CHIP & QTY	SMD5050 60
BEAM ANGLE	120 Degrees
MIN CUT	50mm
IP RATING	IP65
DIMENSIONS	L: 3m W: 14mm
OPERATING TEMPERATURE	-20 to 45°C
AVERAGE LIFE	40,000 Hrs
WARRANTY	7 years
KIT INCLUDES	3m Strip, 3 Strip to Power Connectors, 3 End Caps
NOTE	This strip does NOT come with connectors and requires the user to direct solder for any re-joins. Requires 5 channel stitchy controller ML-ST-5CH






LED STRIP SELECTOR

M-Elec have developed some simple to use calculators to help you work out exactly what products you will need to complete your next installation. Please note: We are passionate about helping the electrical industry, if you are unsure of what products to use or how to utilise these tools please call us.



Scan to use today



ML-WPSMO-7.2-RGB

Start Over



LED Strip Accessories

STRIP CONNECTORS (5PK)

ALL SUITABLE FOR INDOOR OR OUTDOOR FLEXIBLE STRIPS

Single strip-strip connector
Suits 8mm wide flexible strips



ML-SSS-X1

RGB, RGBW strip-strip connector
Suits flexible strips: 10mm RGB, 12mm RGB



ML-RGBW-SS-X1
ML-RGB-SS-X

STRIP-POWER CONNECTORS (5PK)

ALL SUITABLE FOR INDOOR OR OUTDOOR FLEXIBLE STRIPS

5pk single strip-power connectors
Suits flexible strips: 8mm | 10mm
Length: 150mm



ML-SSP-X1
ML-SSP-X1-2

5pk RGB strip-power connectors
Suits flexible strips: 10mm RGB, 12mm RGBW. Length: 150mm



ML-RGB-SP-X1
ML-RGBW-SP-X1

STRIP-STRIP CONNECTORS (5PK)

ALL SUITABLE FOR INDOOR OR OUTDOOR FLEXIBLE STRIPS

5pk strip-strip connector for curve installation. Suits 8mm wide flexible strips. Length: 150mm



ML-CURVE-X1

5pk RGB strip-strip connector for curve installations. Suits 10mm wide RGB flexible strips. Length: 150mm



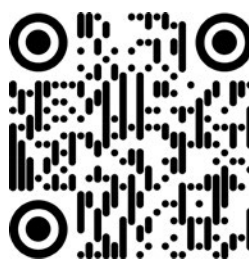
ML-RGB-CURVE-X1



STRIP STATION

The **M-Elec** strip station is your one stop LED strip and accessory stop. With 50 meter rolls, power supplies, controllers and extra accessories all on the station, your local wholesaler is ready for any LED strip job that comes your way.

Find a stockist near you



melec.com.au

LED STRIP CABLES



RGB COLOUR
ML-RGBC30

RATED VOLTAGE	300V
SUITABLE VOLTAGE	12-24V DC
CONDUCTOR SIZE	0.38mm ²
COLOUR CONDUCTORS	Red & Black
FLAME RETARDANT GRADE	VW-1
RATED TEMPERATURE	80°C
LENGTH	30M



RGBW COLOUR
ML-RGBWC30

RATED VOLTAGE	300V
SUITABLE VOLTAGE	12-24V DC
CONDUCTOR SIZE	0.38mm ²
COLOUR CONDUCTORS	Red & Black
FLAME RETARDANT GRADE	VW-1
RATED TEMPERATURE	80°C
LENGTH	30M



ALU Housing



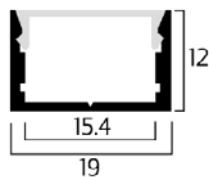
UNIVERSAL 2M ALUMINIUM PROFILE

- ML-ALU2-K-V3** Aluminium profile kit
- ML-ALU2/4-EC-V3** End caps
- ML-ALU2-DIFF-V3** Opaque diffuser
- ML-ALU2-DIFFC-V3** Clear diffuser

With a simple push on diffuser, the original ALU2 and ALU4 is the simplest and most robust aluminium profile available. Cut it, glue it, insert it or modify it to suit your installation easily and quickly for interior or exterior applications.



SIZE	Length: 2,000mm Width: 19mm Height: 12mm
KIT INCLUDES	1 x 2m Aluminium housing, 1 x 2m Opaque diffuser (ML-ALU2-DIFF-V3), 2 x End-caps (ML-ALU2/4-EC-V3),
OPTIONAL	Clear diffuser (ML-ALU2-DIFFC-V3)
MINIMUM ORDER	2 Kits (minimum due to safe packing methods)



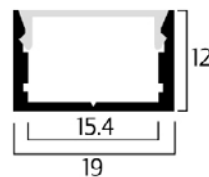
UNIVERSAL 4M ALUMINIUM PROFILE

- ML-ALU4-K-V3** Aluminium profile kit
- ML-ALU2/4-EC-V3** End caps
- ML-ALU4-DIFF-V3** Opaque diffuser
- ML-ALU4-DIFFC-V3** Clear diffuser

With a simple push on diffuser, the original ALU2 and ALU4 is the simplest and most robust aluminium profile available. Cut it, glue it, insert it or modify it to suit your installation easily and quickly for interior or exterior applications.



SIZE	Length: 4,000mm Width: 19mm Height: 12mm
KIT INCLUDES	1 x 4m Aluminium housing, 1 x 4m Opaque diffuser (ML-ALU4-DIFF-V3), 2 x End-caps (ML-ALU2/4-EC-V3),
OPTIONAL	Clear diffuser (ML-ALU4-DIFFC-V3)
MINIMUM ORDER	2 Kits (minimum due to safe packing methods)





RECESSED ALUMINIUM PROFILE

ML-ALUR-K-V3 Aluminium profile kit

ML-ALUR-EC-V3 End caps

ML-ALUR-DIFF-V3 Opaque diffuser

ML-ALUR-MB-V3 Mounting brackets

Perfect for recessed installations under cupboards and in book shelves, walls, etc. The ALUR provides a very low profile with a push on opaque diffuser.



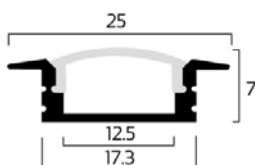
WARRANTY **FREE OSW**

SIZE Length: 2,000mm | Width: 25mm | Height: 7mm

CUT OUT WIDTH 17.3mm

KIT INCLUDES 1 x 2m Aluminium housing,
1 x 2m Opaque diffuser (ML-ALUR-DIFF-V3),
2 x End-caps (ML-ALUR-EC-V3),
4 x Mounting brackets (ML-ALUR-MB-V3)

MINIMUM ORDER 2 Kits (minimum due to safe packing methods)



CORNER ALUMINIUM PROFILE

ML-ALUCR-K-V3 Aluminium profile kit

ML-ALUCR-EC-V3 End caps

ML-ALUCR-DIFF-V3 Opaque diffuser

ML-ALUCR-MB-V3 Mounting brackets

The ML-ALUCR allows for corner installations requiring light at a 45 degree angle and the aesthetic of a neat, clean anodised profile.

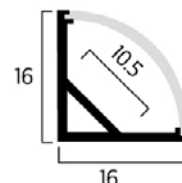


WARRANTY **FREE OSW**

SIZE Length: 2,000mm | Width: 16mm | Height: 16mm

KIT INCLUDES 1 x 2m Aluminium housing,
1 x 2m Opaque diffuser (ML-ALUCR-DIFF-V3),
2 x End-caps (ML-ALUCR-EC-V3),
3 x Mounting brackets (ML-ALUCR-MB-V3)

MINIMUM ORDER 2 Kits (minimum due to safe packing methods)





SLIM ALUMINIUM PROFILE

ML-ALUSLM-K-V3 Aluminium profile kit
ML-ALUSLM-EC-V3 End caps
ML-ALUSLM-DIFF-V3 Opaque diffuser
ML-ALUSLM-MB-V3 Mounting brackets

The slim aluminium profile is perfect for situations which require slim, minimal profiles and allow for a diffuser which slides in from one end. This profile is extremely small but **please note** it does not fit connectors within the profile so direct solder is required. The diffuser is only able to be installed by sliding it in from one end.



WARRANTY



FREE OSW

SIZE	Length: 2,000mm Width: 15.9mm Height: 6mm
KIT INCLUDES	1 x 2m Aluminium housing 1 x 2m opaque diffuser (ML-ALUSLM-DIFF-V3) 2 x End-cap (ML-ALUSLM-EC-V3) 3 x Mounting brackets (ML-ALUSLM-MB-V3)
MINIMUM ORDER	2 Kits



SUSPENDED ALUMINIUM PROFILE

ML-ALUSUS-K-V3 Aluminium profile kit
ML-ALUSUS-EC-V3 End caps
ML-ALUSUS-DIFF-V3 Opaque diffuser
ML-ALUSUS-KIT-V3 Suspension kit

Designed to contain multiple LED strips, the ALUSUS can be easily cut to suit your installation requirements. Supplied with 4 stainless steel suspension cables and accessories, this is the perfect profile for installations in residential and commercial applications. The ALUSUS can also be surface mounted offering a square edged designer luminaire.

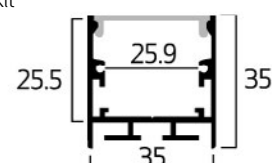


WARRANTY



FREE OSW

SIZE	Length: 4,000mm Width: 35mm Height: 35mm
KIT INCLUDES	1 x 4m Aluminium housing, 1 x 4m Opaque diffuser (ML-ALUSUS-DIFF-V3), 2 x End-caps (ML-ALUSUS-EC-V3) & screws, 1 x Suspension kit (ML-ALUSUS-KIT-V3): 4 x roof fixing points, 4 x profile fixing points, 4 x 1200mm suspension wire 4 x Screws
ACCESSORIES	Spring bracket (ML-ALU-SUS-SB) Joining bracket (ML-ALU-SUS-JN)
MINIMUM ORDER	1 Kit





1407 ALUMINIUM PROFILE

ML-ALU-1407-4M Profile kit + Opaque Diffuser

ML-ALU-1407-EC End Caps

ML-ALU-1407-MB Mounting Brackets

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. Only available in 4m lengths

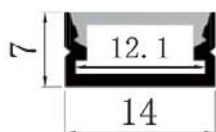


WARRANTY **FREE OSW**

SIZE Length: 4m | Width: 14mm | Height: 7mm

KIT INCLUDES
 1x 4m aluminium profile
 1x 4m opaque diffuser (ML-ALU-1407-4M)
 2 x End caps - 1x with hole, 1x without hole (ML-ALU-1407-EC)
 2 x mounting brackets (ML-ALU-1407-MB)

MINIMUM ORDER 2 Kits



1605 ALUMINIUM PROFILE

ML-ALU-1605-4M Profile kit + Opaque Diffuser

ML-ALU-1605-EC End Caps

ML-ALU-1605-MB Mounting Bracket

The 1605 profile is a more square designed profile to allow for smoother diffusion of the internal LED strips while keeping a compact size. Only available in 4m lengths.

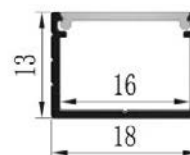


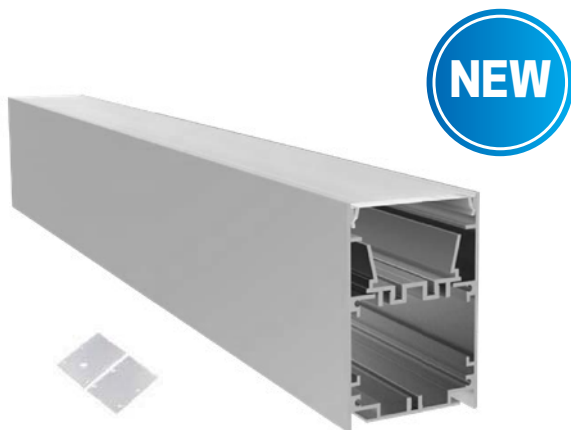
WARRANTY **FREE OSW**

SIZE Length: 4m | Width: 18mm | Height: 13mm

KIT INCLUDES
 1x 4m aluminium profile
 1x 4m Opaque diffuser (ML-ALU-1605-4M)
 2x End caps- 1x with hole, 1x without hole (ML-ALU-1605-EC)
 2x Mounting brackets (ML-ALU-1605-MB)

MINIMUM ORDER 2 Kits





5075 ALUMINIUM PROFILE

ML-ALU-5075-4M Profile kit + Opaque Diffuser

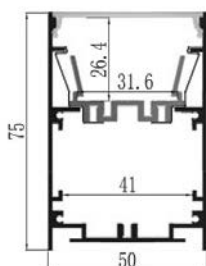
ML-ALU-5075-EC End Caps

ML-ALU-5075-MB Mounting Bracket

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.



- SIZE** Length:4m | Width:50mm | Height: 75mm
- KIT INCLUDES**
- 1x4m Aluminium profile
 - 1x4m Opaque diffuser (ML-ALU-5075-4M)
 - 4x End caps -2x with hole, 2x without hole (ML-ALU-5075-EC)
 - 4x Mounting brackets (ML-ALU-5075-MB)
- OPTIONAL** 4x Suspension Kits
- MINIMUM ORDER** 1Kits



5085 ALUMINIUM PROFILE

ML-ALU-5085-4M Profile kit + Opaque Diffuser

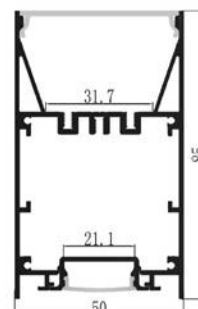
ML-ALU-5085-EC End caps

ML-ALU-5085-MB Mounting Bracket

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.



- SIZE** Length:4m | Width:50mm | Height: 85mm
- KIT INCLUDES**
- 1x4m Aluminium profile
 - 1x4m Opaque diffuser (ML-ALU-5085-4M)
 - 4x End caps -2x with hole, 2x without hole (ML-ALU-5085-EC)
 - 4x Mounting brackets (ML-ALU-5085-MB)
- OPTIONAL** 4x Suspension Kits
- MINIMUM ORDER** 1Kits



A person's silhouette is visible in the bottom left corner, looking out a window. The window is divided into vertical sections by dark frames, and bright light streams through, creating a strong contrast with the dark interior. The overall mood is contemplative and professional.

**Looking for a larger range
of profiles, strips or various
controllers such as DMX,
DALI, KNX, cross platform
converters or do you have
a completely custom built
requirement?**

M-Elec have been specialising in project and custom designed solutions since 2006. Reach out to your local M-Elec representative for more information or email projects@melec.com.au with your project requirements.

LED Controllers



RF WALL CONTROLLER

ML-2830

M-Elec's single colour wall controller offers a highly sensitive and stable glass touch colour line designed for fast and precise colour control. Including control of 4 separate zones and 3 brightness scenes, the RF wall controller also offers memory functions and up to 256 levels of brightness for each white. With a 240V input & wireless connection to the controller, the ML-2830 will be installed in no time at all.



COLOUR CONTROL	Single colour dimmer
FUNCTIONS	Control 4 zones (seperately or synchronised), set up to 3 brightness scenes for each zone, memory function & dimming control
INPUT VOLTAGE	240V AC
OPERATING FREQUENCY	434MHz RF
DIMENSIONS	L: 75mm H:120mm D:30.5mm
REQUIRED RECEIVER	ML-1009FAWI



RF WALL CONTROLLER

ML-2836DIM-US

This simple '1-wheel' dimmer controller is completely wireless and battery operated allowing it to be installed with ease. The 1 wheel configuration allows full dimming control (256 levels) and on/off capability. The controller has a power saving mode which allows the replaceable battery to last up to 2 years. When coupled with the ML-1009FAWI the LED products can operated by IOS or Android APP's as well as the ML-2836DIM-US.



FUNCTIONS	On/Off switch and 0-100% dimmer
OPERATING VOLTAGE	4.5VDC battery (not included)
OPERATING FREQUENCY	434MHz RF
DIMENSIONS	L: 75mm H:120mm D:41mm
REQUIRED RECEIVER	ML-1009FAWI



RGB WALL TOUCH PANEL CONTROLLER

ML-2820-US3

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



COLOUR CONTROL	RGB + white
FUNCTIONS	3 zone controller (separately or synchronized), RGBW colour change speed, 10 changing modes, dimming and speed control
INPUT VOLTAGE	240V AC
OPERATING FREQUENCY	434MHz RF
DIMENSIONS	L: 75mm H:120mm D:30.5mm
REQUIRED RECEIVER	ML-1009FAWI



RGB WALL TOUCH PANEL CONTROLLER

ML-2820

This glass wall controller from M-Elec allows easier connections without the need for complicated wiring or connections. With a simple interface the ML-2820 allows the user to store up to 3 different scenes or colours for easy recall. The wireless receiver works quickly and can save large amounts of time and money by cutting out interconnecting cables between the controller and the receiver. With 10 pre-set colour sequences and full RGB/W control, the ML-2820 is both easy to wire and operate.



COLOUR CONTROL	RGB + white
FUNCTIONS	RGB colour change, 10 pre-set RGB modes, dimming and white colour control
INPUT VOLTAGE	240V AC
OPERATING FREQUENCY	434MHz RF
DIMENSIONS	L: 75mm H:120mm D:30.5mm
REQUIRED RECEIVER	ML-1009FAWI



RGBW REMOTE CONTROLLER

ML-2819S

The RGBW wireless controller is the 'all round' pick of remotes for RGB and RGBW LED strips. Working with the ML-1009FAWI 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.



WARRANTY



FREE OSW

COLOUR CONTROL	RGB + white
FUNCTIONS	RGB colour change, white control, 4 zones (separate or synchronised), 3 different scenes & dimming control
OPERATING VOLTAGE	4.5VDC battery (not included)
OPERATING FREQUENCY	434MHz
DIMENSIONS	L: 55mm H: 120mm D: 21mm
REQUIRED RECEIVER	ML-1009FAWI



RGBW REMOTE CONTROLLER

ML-2819T8

This RGBW wireless remote offers up to 8 zones of RGBW all in 1 remote. Working wirelessly with the ML-1009FAWI receiver this remote has full control of all colours individually and allows both speed and brightness control of the various modes. With storage cradle.



WARRANTY



FREE OSW

COLOUR CONTROL	RGB + white
FUNCTIONS	RGB colour change, white control, 8 zones, speed & brightness control
INPUT VOLTAGE	2 x AAA batteries (not included)
WORKS WITH	ML-1009FAWI
DIMENSIONS	L: 44mm H: 131mm D: 24mm
REQUIRED RECEIVER	ML-1009FAWI



SINGLE COLOUR REMOTE CONTROLLER

ML-2819SDIM

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



WARRANTY **FREE OSW**

COLOUR CONTROL	Single colour
FUNCTIONS	Control 4 zones (separately or synchronised) 3 different scenes & dimming control
OPERATING VOLTAGE	4.5VDC battery (not included)
OPERATING FREQUENCY	434MHz
DIMENSIONS	L: 55mm H: 120mm D: 17mm
REQUIRED RECEIVER	ML-1009FAWI



0-10V SIGNAL DIMMER

ML-DIM-S

M-Elec's plate mounted 0-10V signal dimmer allows the user to blend the 0-10V controller with traditional dimmers and switch plates seamlessly. Integrating into Clipsal style switch plates and working with one or multiple 0-10V controllers, the ML-DIM-S will dim LED strips and modules perfectly.



WARRANTY **FREE OSW**



4 CHANNEL DIMMER

ML-2002

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 0-10V dimmer controllers (ML-DIM-S) and other 0-10V inputs such as Dynalite and C-Bus systems (see manufacturer for details).

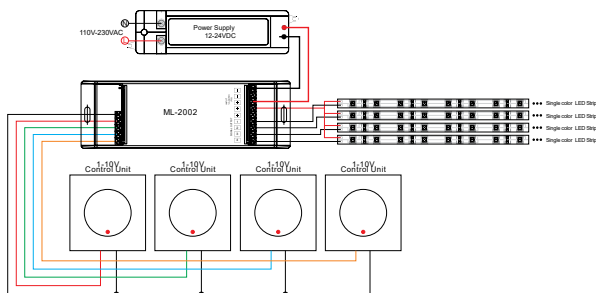


WARRANTY



FREE OSW

INPUT VOLTAGE	12-36VDC
INPUT CONTROL	1-10V signal
INPUT CHANNELS	4
OUTPUT POWER	4x (60-180)W
OUTPUT CHANNELS	4
DIMENSIONS	L: 166mm H: 23mm D: 53.4mm



RF RECEIVER

ML-1009FAWI

This multi-featured RGBW controller works with various remotes and controllers. With both master and slave modes this wireless receiver saves money on running cables and allows larger runs of strip. The maximum number of controllers utilising the same receiver is 8 and RGB, RGBW and Hybrid strips can be controlled from the ML-1009FAWI.

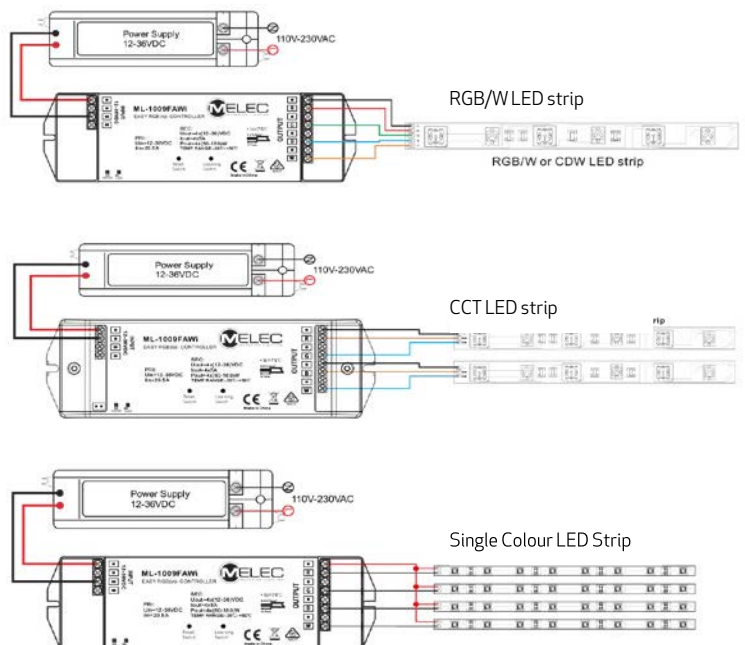


WARRANTY



FREE OSW

COLOUR CONTROL	RGB, RGB + White or Hybrid strip
INPUT VOLTAGE	12-36VDC
OUTPUT CURRENT	4CH, 5A/CH
OUTPUT POWER	60-180W per channel
OUTPUT TYPE	Constant voltage
DIMENSIONS	L: 179mm H: 57mm D: 21mm





4 CHANNEL DALI DIMMER

ML-2303BEA

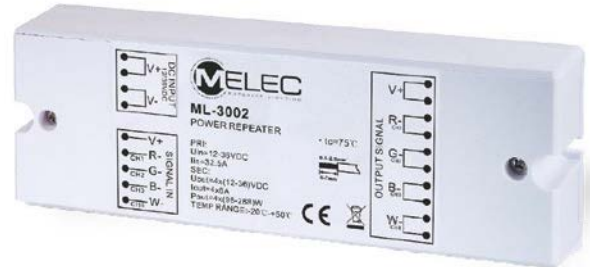
The new 4 channel DALI dimmer unit allows easy DALI address programming either manually or automatically offering RGB, RGB + white or Hybrid strip colour control from the one unit.

Digital indicator for address display, with 4 channel capability the DALI addresses can be set from one to four. Matching all DALI systems in the market place.



WARRANTY **FREE OSW**

COLOUR CONTROL	RGB, RGB + white or Hybrid strips
INPUT VOLTAGE	12-36VDC
INPUT CONTROL	DALI
INPUT CHANNELS	4
OUTPUT POWER	4X (96-288)W
SUITABLE STRIP	RGB, CCT & RGBW
OUTPUT CURRENT	1-4A X 4 channels
DIMENSIONS	L: 169mm H: 59mm D: 28.6mm



POWER AMP

ML-3002

The 4 channel power amplifier allows continuous wired expansion for all M-Elec strip installations.

The ML-3002 receives a signal and amplifies it allowing the installer to wire more strips or modules.



WARRANTY **FREE OSW**

COLOUR CONTROL	RGB or RGB + white
INPUT VOLTAGE	12-36VDC
OUTPUT CURRENT	4CH, 5A/CH
OUTPUT POWER	4X (96-288)W
OUTPUT TYPE	Constant voltage
DIMENSIONS	L: 169mm H: 59mm D: 28mm



STITCHY SINGLE COLOUR SMART CONTROLLER

ML-ST-1CH*

Easily voice control your LED strips to dim up and down with the 1 channel controller all through Alexa, HomeKit, Google Home or utilising their APP. With smooth dimming and easy to set up, this range of controllers leads the way in LED strip home automation.



SUITABLE STRIP	Single colour
INPUT VOLTAGE	12-36VDC
INPUT CONTROL	Zigbee 3.0
INPUT CHANNELS	1 (+ optional push switch)
OUTPUT POWER	1 x (96-288)W
OUTPUT TYPE	Constant voltage
OUTPUT CURRENT	1X8A
DIMENSIONS	L: 100mm H: 38mm D: 21mm
COMPATIBLE WITH*	Google Home Amazon Alexa Apple Home Kit *Zigbee enabled device such as Hue Bridge is required

Complementing the Stitchy range of products is the 1 & 5 channel strip controllers. Easily voice control your LED strips to dim up and down with the 1 channel controller all through Alexa, HomeKit, Google Home or utilising their APP. With smooth dimming and easy set-up, this range of controllers leads the way in LED strip home automation.



STITCHY RGB COLOUR SMART CONTROLLER

ML-ST-5CH*

Easily voice control your RGB, Wand WW coloured LED strips all through Alexa, HomeKit, Google Home or utilising their APP. Installation is easy, this range of controllers leads the way in LED strip home automation.



SUITABLE STRIP	RGB or RGB + White or RGB + White + Warm White
INPUT CONTROL	Zigbee 3.0
INPUT VOLTAGE	12-36VDC
OUTPUT CURRENT	5 x 5A
OUTPUT POWER	5X (60-180)W*
OUTPUT TYPE	Constant voltage
DIMENSIONS	L: 170mm H: 59mm D: 28.5mm
COMPATIBLE WITH*	Google Home Amazon Alexa Apple Home Kit *Zigbee enabled device such as Hue Bridge is required

Easily voice control your RGB coloured LED strips all through Alexa, HomeKit, Google Home or utilising their APP. Installation is easy, this range of controllers leads the way in LED strip home automation.

*5x60W 21V DC

*5x120W 24V DC

*5x180W 36V DC

**Easily voice control your
lighting with Stitchy - for
more information on this
innovation visit our website**



Power Supplies

CONSTANT VOLTAGE



ML-PS20

POWER (MAX)	20W
MAX. LOAD WATTAGE	16W
INPUT VOLTAGE	240V
OUTPUT VOLTAGE	12V DC
OUTPUTS	1
IP RATING	IP67
WARRANTY	3 years
SIZE	Length: 165mm Width: 29mm Height: 20mm
KIT INCLUDES	1 x Power supply with flex & plug



ML-PSWP30

POWER (MAX)	30W
MAX. LOAD WATTAGE	24W
INPUT VOLTAGE	240V
OUTPUT VOLTAGE	12V DC
OUTPUTS	1
IP RATING	IP67
WARRANTY	3 years
SIZE	Length: 222mm Width: 29mm Height: 20mm
KIT INCLUDES	1 x Power supply with flex & plug



ML-PSWP60

POWER (MAX)	60W
MAX. LOAD WATTAGE	48W
INPUT VOLTAGE	240V
OUTPUT VOLTAGE	12V DC
OUTPUTS	2
IP RATING	IP67
WARRANTY	3 years
SIZE	Length: 178mm Width: 66mm Height: 49mm
KIT INCLUDES	1 x Power supply with flex & plug



ML-PSWP100

POWER (MAX)	100W
MAX. LOAD WATTAGE	80W
INPUT VOLTAGE	240V
OUTPUT VOLTAGE	12V DC
OUTPUTS	2
IP RATING	IP67
WARRANTY	3 years
SIZE	Length: 240mm Width: 66mm Height: 50mm
KIT INCLUDES	1 x Power supply with flex & plug



ML-PSWP150

POWER (MAX)	150W
MAX. LOAD WATTAGE	120W
INPUT VOLTAGE	240V
OUTPUT VOLTAGE	12V DC
OUTPUTS	2
IP RATING	IP67
WARRANTY	3 years
SIZE	Length: 240mm Width: 66mm Height: 57mm
KIT INCLUDES	1 x Power supply with flex & plug



ML-PSWP200-X2

POWER (MAX)	200W
MAX. CONSTANT POWER	160W
INPUT VOLTAGE	240V
OUTPUT VOLTAGE	12V DC
OUTPUTS	2
IP RATING	IP66
WARRANTY	3 years
SIZE	Length: 256mm Width: 78mm Height: 47mm
KIT INCLUDES	1 x Power supply with flex & plug



ML-PSWP300-X2

POWER (MAX)	300W
MAX. CONSTANT POWER	240W
INPUT VOLTAGE	240V
OUTPUT VOLTAGE	12VDC
OUTPUTS	2
IP RATING	IP66
WARRANTY	3 years
SIZE	Length: 276mm Width: 78mm Height: 47mm
KIT INCLUDES	1 x Power supply with flex & plug

CONSTANT VOLTAGE & TRIAC DIMMABLE



ML-PSD10

POWER (MAX)	10W
MAX. LOAD WATTAGE	10W
DIMMABLE	Yes
INPUT VOLTAGE	180-240V AC
OUTPUT VOLTAGE	12V DC
IP RATING	IP20
WARRANTY	3 years
SIZE	Length: 110mm Width: 45mm Height: 26mm



ML-PSD20

POWER (MAX)	20W
MAX. LOAD WATTAGE	20W
DIMMABLE	Yes
INPUT VOLTAGE	180-250V AC
OUTPUT VOLTAGE	12V DC
IP RATING	IP20
WARRANTY	3 years
SIZE	Length: 110mm Width: 45mm Height: 26mm



ML-PSD30

POWER (MAX)	30W
MAX. LOAD WATTAGE	30W
DIMMABLE	Yes
INPUT VOLTAGE	180-250V AC
OUTPUT VOLTAGE	12V DC
IP RATING	IP20
WARRANTY	3 years
SIZE	Length: 150mm Width: 55mm Height: 33mm



ML-PSD80

POWER (MAX)	80W
MAX. LOAD WATTAGE	80W
DIMMABLE	Yes
INPUT VOLTAGE	180-240V AC
OUTPUT VOLTAGE	12V DC
OUTPUTS	1
IP RATING	IP66
WARRANTY	3 years
SIZE	Length: 200mm Width: 70mm Height: 42mm



ML-PSD200

POWER (MAX)	200W
MAX. LOAD WATTAGE	200W
DIMMABLE	Yes
INPUT VOLTAGE	180-250V AC
OUTPUT VOLTAGE	12V DC
OUTPUTS	2
IP RATING	IP66
WARRANTY	3 years
SIZE	Length: 256mm Width: 80mm Height: 53mm

LED STRIP USES

INDOOR	SINGLE COLOUR STRIP	NEW STRIP CODE	DESCRIPTION	APPLICATIONS FOR USE
		ML-SMDF-4.8-W	White Standard LED strip , available in 5m or 50m	Entry level illumination. Potential applications include: under kicks & soft illumination for coffers
		ML-SMDF-4.8-NW	Neutral White Standard LED strip , available in 5m or 50m	
		ML-SMDF-4.8-WW	Warm White Standard LED strip , available in 5m or 50m	
		ML-SMDF-7.2-W	White Long Run LED strip	Medium Level Illumination. Areas where access is difficult and continual lighting is required. Potential applications include: Kitchens and ceiling coffers
		ML-SMDF-7.2-NW	Neutral White Long Run LED strip	
		ML-SMDF-7.2-WW	Warm White Long Run LED strip	
		ML-SMDF-9.6-W	White High output LED strip, available in 5m or 50m	Entry to medium level illumination. Potential applications include under kitchen cupboards & bar areas
		ML-SMDF-9.6-NW	Neutral White High output LED strip, available in 5m or 50m	
		ML-SMDF-9.6-WW	Warm White High output LED strip, available in 5m or 50m	
		ML-SMDF-11.5-W	White Ultra bright LED strip, available in 5m or 50m	Medium to high level illumination. Potential applications include under kitchen cupboards & over desks
		ML-SMDF-11.5-NW	Neutral White Ultra bright LED strip, available in 5m or 50m	
		ML-SMDF-11.5-WW	Warm White Ultra bright LED strip, available in 5m or 50m	
		ML-SMDF-17.2-W	White Max output LED strip , available in 3m or 50m	High level illumination. Potential applications include over desks, shed/garage illumination and areas with high ambient lighting
		ML-SMDF-17.2-NW	Neutral White Max output LED strip, available in 3m or 50m	
		ML-SMDF-17.2-WW	Warm white Max output LED strip , available in 3m or 50m	
		ML-SMDF-14.4-CRI97-W	White High output full spectrum LED strip	Medium to high level illumination. Potential applications include studio's, stores, art studios & hair salons
		ML-SMDF-14.4-CRI97-NW	Neutral White High output full spectrum LED strip	
		ML-SMDF-14.4-CRI97-WW	Warm White High output full spectrum LED strip	
	LASER	ML-FPC-10-W	White Laser Strip, available in 5m or 50m	Suitable for areas with reflective surfacing. Has a high CRI ML-FPC-10-NW Neutral White Laser Strip, available in 5m or 50m perfect for Jewelry and clothing stores and signage
		ML-FPC-10-NW	Neutral White Laser Strip, available in 5m or 50m	
		ML-FPC-10-WW	Warm White Laser Strip, available in 5m or 50m	
	MULTI COLOUR	ML-SMDF-7.2-RGB	Standard RGB LED strip	Low to medium level coloured illumination. Potential applications include bar & kitchen effects
		ML-SMDF-7.2-RGB50	Standard RGB LED strip	
		ML-SMDF-12-RGB50	Standard RGB LED strip	Medium to high level illumination. Potential applications include: home theaters, kitchens, wardrobes and ceiling coffers
		ML-SMDF-14.4-RGB	High output RGB LED strip	Medium level coloured illumination. Potential applications include bar & kitchen effects
		ML-SMDF-14.4-RGB50	High output RGB LED strip	
		ML-SMDF-28.8-RGBHY	High output RGB, white and warm white (hybrid) LED strip	Medium to high level coloured and general illumination. Potential applications include kitchens, coffers and general applications looking for maximum effects
		ML-SMDF-28.8-RGBHY50	High output RGB, white and warm white (hybrid) LED strip	
OUTDOOR	SINGLE COLOUR	ML-WPSMO-4.8-W	White Weather protected standard LED strip	Entry level illumination. Potential applications include outside decks, steps and soft wall washing
		ML-WPSMO-4.8-NW	Neutral White Weather protected standard LED strip	
		ML-WPSMO-4.8-WW	Warm White Weather protected standard LED strip	
		ML-WPSMO-9.6-W	White Weather protected high output LED strip	Entry to medium level illumination. Potential applications include outside garden beds and under kitchen benches
		ML-WPSMO-9.6-NW	Neutral White Weather protected high output LED strip	
		ML-WPSMO-9.6-WW	Warm White Weather protected high output LED strip	
		ML-WPSMO-11.5-W	White Weather protected ultra bright LED strip	Medium to high level illumination. Potential applications include outside back lighting and wall washing
		ML-WPSMO-11.5-NW	Neutral White Weather protected ultra bright LED strip	
		ML-WPSMO-11.5-WW	Warm White Weather protected ultra bright LED strip	
	MULTI COLOUR	ML-WPSMO-7.2-RGB	Weather protected standard RGB LED strip	Low to medium level coloured illumination. Potential applications include outdoor bar and kitchen effects
		ML-WPSMO-14.4-RGB	Weather protected high output RGB LED strip	Medium level coloured illumination. Potential applications include outdoor bar and kitchen effects
		ML-WPSMO-28.8-RGBHY	Weather protected high output RGB, white and warm white (hybrid) LED strip	Medium to high level illumination for small area applications including: outdoor bar, kitchen areas, hand rails and bathrooms



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PLEASE NOTE

All the information is subject to change without notice. Please see www.melec.com.au for the latest information on products.

M-Elec always suggests maximum distances for LED strip to be 3m for ML-SMD-28.8-RGBHY and 5m for all other strips. This will prevent burn out of connectors, light fade and other problems.

M-Elec always suggest DIRECT SOLDER for the most effective and long term electrical termination. While connectors are provided we suggest using a small tipped soldering iron to make the best connections possible.

Please contact M-Elec for help or assistance with wiring, layout, design, power calculations or any other area of help needed.