



Titus
Tekform

Stefano Orlati LED Lighting 2017 Catalogue

Stefano Orlati Titus+

LED Lighting

Product guide

LED Downlights

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LED Strip Lights

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LED Lighting Information

Features

LED Lighting is an extremely effective design tool which can be used to transform and enhance a space.

Stefano Orlati lighting offers both functional and decorative applications – with its key roles being task & mood lighting.

There are so many clever ways to incorporate LED Lighting into an interior scheme. In the kitchen the addition of under-cabinetry lighting can enhance & open up a space. In the bathroom practical lighting can be incorporated such as ensuring the mirror is well lit or using a Dimmer to control the brightness and mood of the space. Using strip lights or downlights in an open shelf or an entertainment unit is a great accent lighting option which can elevate & highlight the space.

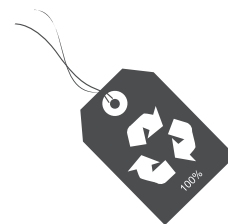
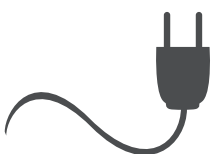
LED Lighting is safe, environmentally friendly & contains no toxic mercury. It uses approx 85% less energy than halogen or incandescent lights.

Benefits

- Energy efficient
- Low maintenance
- Plug & Play
- Contains no mercury or lead
- Emits no UV rays or infrared radiation
- Achieves full brightness in microseconds
- Operates at a much cooler temperature making it safer than incandescent lights
- Environmentally friendly – cuts greenhouse gas emissions and reduces landfill
- Lifetime of approx 30,000 to 60,000 or more hours depending on the type of LED Light

Lighting Product Warranty

All Stefano Orlati lighting products offer you the warranties extended to you under consumer protection legislation. Our warranty is for one year from the date of purchase. The warranty is void if the lighting products are used with a transformer sourced from another supplier.



LED Lighting Information

Frequently Asked Questions

Why LEDs?

LED Lighting uses 85% less electricity than typical incandescent and fluorescent light sources. LEDs provide us with the most efficient way to save energy and conserve our natural resources. The light produced from an LED is an even spectrum and can last beyond 10 years (30,000 – 60,000 hours or more).

What does LED mean simply?

LED = light emitting diode, which are 'solid-state lighting' components. Each individual LED consists of a semiconductor diode that emits light when a voltage is applied to it.

Does turning LED lights on and off reduce lifetime?

No. Unlike incandescent and fluorescent lighting which will fail sooner when switched on or off more often, LED Lighting is unaffected by how often it is switched on or off.

Do LED lights produce UV and/or IR emissions or contain Mercury?

No. LED Lighting products typically produce virtually no light in the Ultraviolet (UV) or Infrared (IR) spectrums. LED bulbs do not contain mercury. They can even be recycled as they do not contain hazardous substances and are manufactured without hazardous substances.

Can LED lights be dimmed?

Yes, most of our range of LED lights can be dimmed – refer to the dimmer controller on page 30.

Do the LED diodes need to be replaced?

An LED diode does not "burn out" like a conventional lamp, so individual diodes do not need to be replaced.

Do LEDs overheat?

LEDs consume significantly less energy and operate at lower temperatures than typical incandescent bulbs. Most of the energy emitted from an incandescent bulb is converted into heat instead of light which is why you'll burn yourself if you try to touch it once it's turned on. In many cases you can actually feel the temperature difference just by being near the light.

The beam of light source from an LED is cool, however waste heat is produced within the LED itself during the conversion of electricity into light.

The waste heat must be properly removed from the light to maximize fixture performance and to avoid damage to the LEDs. This is why all LED Strip Light options are recommended to be used in conjunction with an LED Profile.

The LED Profiles are well-designed lighting fixtures which act as heat sinks to draw heat away from the LEDs and dissipate it into the air surrounding the profile, thus prolonging the life of the LED diodes.

Is LED a different type of light?

Yes. LED light is said to be a safer, healthier light, because LEDs do not produce any form of ultraviolet radiation which causes colour fading in art & fabric, such as carpet fading etc. With LED Lights there is also no buzzing or flickering.

LED Lighting Information

LED Symbol Guide



MTM

Made to Measure



DIY

Do It Yourself



DIM

Dimmer Control



PROFILE

LED Profile



DOOR

Door Motion Sensor



HAND

Hand Motion Sensor



PIR

PIR Motion Sensor



TD

Touch Dimmer

Order Forms

As a helpful guide when ordering, request an LED Lighting order form or call us to discuss your requirements.

Download order forms online – www.titustekform.com.au



LED Downlights


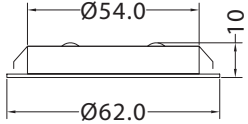
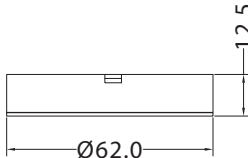


LED Lighting

LED Downlights




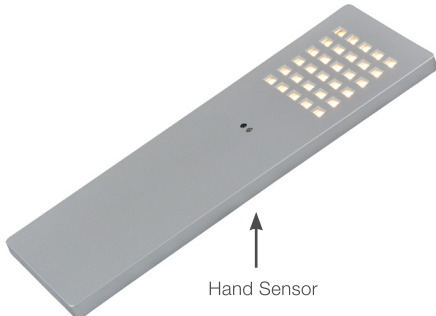
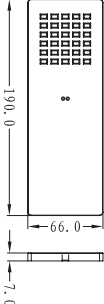
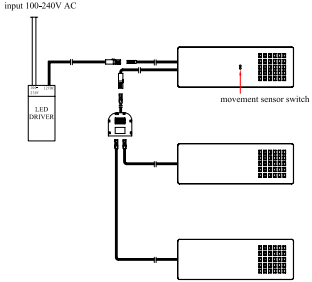
- Cool White or Warm White
- Plug & Play installation
- Can be used in conjunction with sensors & dimmer control

| Technical and mounting details | Item number | Daylight White (4000k) | Cool White (6000k) | Warm White (3200k) |
|--|---|------------------------|--------------------|--------------------|
| <p>Imperia Downlight</p>   <p>Recess Mount</p>  <p>Surface Mount</p> | <p>Downlight IMPERIA →</p> <p>Bracket IMPERIA-BRACKET</p> | DW | CW | WW |
| <p>Lamp Shape Round</p> <p>Finish Silver</p> <p>Lamp Wattage 3.2W</p> <p>Lamp Voltage 12V</p> <p>Mounting Recess or Surface</p> <p>Main Cable 2.0m</p> <p>Dimmable Yes</p> <p>Lumens (per/m) 260 to 300</p> <p>Beam Angle 120°</p> <p>Connection Transformer 100 - 240V, 2 meters</p> <p>Lifetime 30,000 hours</p> <p>Transformer Constant Voltage 12V 12V - 25W runs up to 6 x Lights</p> <p><i>When using downlight in conjunction with a sensor option refer to capacity guide. See page → 31</i></p> | | | | |

LED Lighting

LED Downlights

- Cool white
- Plug & Play installation
- In-built hand sensor on one tile light which controls up to four tile lights

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------------|-----------|---------------|--------|---------------------|------|---------------------|-----|-----------------|---------|-------------------|------|-----------------|----|-----------------------|-----------|-------------------|------|-------------------|----------------------------------|-----------------|--------------|--------------------|---|
| <p style="text-align: center;">Technical and mounting details</p> | <div style="text-align: right;">  </div> <p style="text-align: right;">Cool White</p> | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Tile Light</p>  <p style="text-align: center;">↑ Hand Sensor</p>   | <p>Item number</p> <p>TILE → CW-KIT</p> <p>Kit contains: 3 x tile lights and 1 x transformer</p> <table border="0"> <tr> <td>Lamp Shape</td> <td>Rectangle</td> </tr> <tr> <td>Finish</td> <td>Silver</td> </tr> <tr> <td>Lamp Wattage</td> <td>2.5W</td> </tr> <tr> <td>Lamp Voltage</td> <td>12V</td> </tr> <tr> <td>Mounting</td> <td>Surface</td> </tr> <tr> <td>Main Cable</td> <td>1.8m</td> </tr> <tr> <td>Dimmable</td> <td>No</td> </tr> <tr> <td>Lumens (per/m)</td> <td>200 - 230</td> </tr> <tr> <td>Beam Angle</td> <td>120°</td> </tr> <tr> <td>Connection</td> <td>Transformer 100 - 240V, 2 meters</td> </tr> <tr> <td>Lifetime</td> <td>30,000 hours</td> </tr> <tr> <td>Transformer</td> <td>Constant Voltage 12V 12V - 25W runs up to 4 x Lights</td> </tr> </table> | Lamp Shape | Rectangle | Finish | Silver | Lamp Wattage | 2.5W | Lamp Voltage | 12V | Mounting | Surface | Main Cable | 1.8m | Dimmable | No | Lumens (per/m) | 200 - 230 | Beam Angle | 120° | Connection | Transformer 100 - 240V, 2 meters | Lifetime | 30,000 hours | Transformer | Constant Voltage 12V 12V - 25W runs up to 4 x Lights |
| Lamp Shape | Rectangle | | | | | | | | | | | | | | | | | | | | | | | | |
| Finish | Silver | | | | | | | | | | | | | | | | | | | | | | | | |
| Lamp Wattage | 2.5W | | | | | | | | | | | | | | | | | | | | | | | | |
| Lamp Voltage | 12V | | | | | | | | | | | | | | | | | | | | | | | | |
| Mounting | Surface | | | | | | | | | | | | | | | | | | | | | | | | |
| Main Cable | 1.8m | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimmable | No | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumens (per/m) | 200 - 230 | | | | | | | | | | | | | | | | | | | | | | | | |
| Beam Angle | 120° | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection | Transformer 100 - 240V, 2 meters | | | | | | | | | | | | | | | | | | | | | | | | |
| Lifetime | 30,000 hours | | | | | | | | | | | | | | | | | | | | | | | | |
| Transformer | Constant Voltage 12V 12V - 25W runs up to 4 x Lights | | | | | | | | | | | | | | | | | | | | | | | | |

LED Strip Lights



LED Lighting

LED Strip Lights

Products And Services

LED Strip Lights are a brilliant option for task and mood lighting and help to create ambiance and definition of a space. Common areas of application include kitchen & bathroom lighting, under-cabinetry lighting, shopfitting & or display lighting, signage, architectural lighting, and any other confined spaces requiring additional light.



Task Lighting



Decorative Lighting

Enhance the strip light by adding an LED Profile option.

What Are Your Options With LED Strip Lights?



MTM

Made to Measure (MTM)

Custom made lengths fabricated by us to your measurements. Each MTM strip light includes a soldered 2m tail or wire connectors for corners etc. (depending on requirements).



DIY

Do It Yourself (DIY)

Choose your required LED components. DIY strip lights are available in 5m rolls and include a tail soldered on each end.

Ordering

MTM

All MTM codes are specified on each product. When ordering MTM strip lighting, please order using the following code string, for example:

[SPECIFY MEASUREMENTS] **CODE: MTM-3528-CW**

DIY

All DIY codes are specified on each product. When ordering DIY strip lighting please order using the following code string for example:

[SPECIFY QUANTITY] **CODE: DIY-3528-CW**

Order Forms

As a helpful guide when ordering, request an LED Lighting order form or call us to discuss your requirements.

Download order forms online – www.titustekform.com.au



LED Lighting

LED Strip Lights

IP Rating

IP is a rating guide for the strip light for the level of protection from solids/water. Stefano Orlati Strip Lights are available in IP20 & IP65. IP = Ingress Protection.

IP20 - No Coating

2 = Protected against solid objects over 12.5mm
0 = No protection from liquids/water

IP65 - Clear Water Resistant Coating

6 = Total protection against dust ingress
5 = Protection against low pressure water jets from all directions. Limited ingress protection

Diode Guide

The diodes on the LED Strip Light range in size and each will vary in brightness depending on a number of factors:

- The size of the diode
- The amount of diodes per meter
- The total watts per meter

3014 = 3.0mm x 1.4mm (diode size)

3528 = 3.5mm x 2.8mm (diode size)

5050 = 5.0mm x 5.0mm (diode size)



LED Lighting

LED Strip Lights



- Plug & Play installation
- Cuttable in 50mm increments
- Self-adhesive peel and stick backing
- Best suited for an area hidden from view
- Choose any LED Profile option
- Recommended to be used in conjunction with an LED profile which assists with heat dissipation & ensures longevity of the LED diodes

Technical and mounting details

12V 3528 Standard IP20

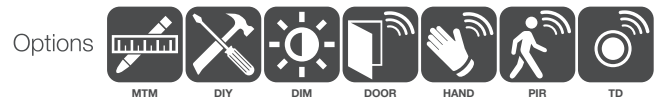


All DIY components are supplied separately and are recommended for strip light only options (no profile). Available in a 5 meter roll & includes a tail soldered on each end.

| Item number | Daylight White (4000k) | Cool White (6000k) | Warm White (3200k) | Blue | Red | Green | Amber |
|---|---|--------------------|--------------------|------|-----|-------|-------|
| MTM-3528 → | DW | CW | WW | BLUE | RED | GREEN | AMBER |
| DIY-3528 → | DW | CW | WW | BLUE | RED | GREEN | AMBER |
| Diode Size | 3.5mm x 2.8mm | | | | | | |
| Diodes (per/m) | 60 | | | | | | |
| Voltage | 12V DC | | | | | | |
| Energy (watts) | 4.8 per/m | | | | | | |
| Width | 8mm | | | | | | |
| Projection | 3mm | | | | | | |
| Viewing Angle | 120° | | | | | | |
| Waterproof Rating | IP20 | | | | | | |
| Dimmable | Yes | | | | | | |
| Lumens (per/m) | Daylight White - 300 Cool White - 300 Warm White - 300 Amber - 65 Blue - 45 Green - 200 Red - 110 | | | | | | |
| Transformer 12V | Maximum run 10 meters | | | | | | |
| * If using the strip light in conjunction with a sensor or controller refer to capacity guide | | | | | | | |
| → see page 31 | | | | | | | |

LED Lighting

LED Strip Lights



- Plug & Play installation
- Cuttable in 50mm increments
- Self-adhesive peel and stick backing
- Best suited for an area hidden from view
- Clear water-resistant coating
- Recommended for strip light only options


| Technical and mounting details |  Daylight White (4000k) Cool White (6000k) Warm White (3200k) | | | |
|---|--|----|----|----|
| 12V 3528 Water Resistant IP65 | Item number | DW | CW | WW |
| | MTM-3528-IP65 → | DW | CW | WW |
| | DIY-3528-IP65 → | DW | CW | WW |
|   All DIY components are supplied separately and are recommended for strip light only options (no profile). Available in a 5 meter roll & includes a tail soldered on each end. | <p>Diode Size 3.5mm x 2.8mm</p> <p>Diodes (per/m) 60</p> <p>Voltage 12V DC</p> <p>Energy (watts) 4.8 per/m</p> <p>Width 8mm</p> <p>Projection 3mm</p> <p>Viewing Angle 120°</p> <p>Waterproof Rating IP65</p> <p>Dimmable Yes</p> <p>Lumens (per/m) Daylight White - 300 Cool White - 300 Warm White - 300</p> <p>Transformer 12V Maximum run 10 meters</p> | | | |
| <p>* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 31</p> | | | | |

LED Lighting

LED Strip Lights

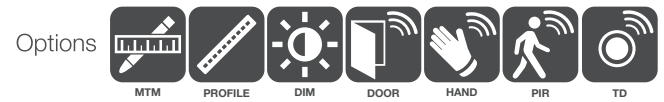


- Up to three times brighter than 3528 Standard Strip Light
- Plug & Play installation
- Cuttable in 50mm increments
- Self-adhesive peel and stick backing
- Recommended to be used in conjunction with an LED profile which assists with heat dissipation & ensures longevity of the LED diodes


| Technical and mounting details | Item number | Daylight White (4000k) | Cool White (6000k) | Warm White (3200k) |
|--|--|------------------------|--------------------|--------------------|
| <p>12V 5050 Extra Bright IP20</p>  | <p>MTM-5050 →</p> <p>Diode Size 5.0mm x 5.0mm</p> <p>Diodes (per/m) 60</p> <p>Voltage 12V DC</p> <p>Energy (watts) 14.4 per/m</p> <p>Width 10mm</p> <p>Projection 3mm</p> <p>Viewing Angle 120°</p> <p>Waterproof Rating IP20</p> <p>Dimmable Yes</p> <p>Lumens (per/m) Daylight White - 900 Cool White - 900 Warm White - 900</p> <p>Transformer 12V Maximum run 4 meters</p> <p><i>* If using the strip light in conjunction with a sensor or controller refer to capacity guide</i></p> <p>→ see page 31</p> | DW | CW | WW |

LED Lighting

LED Strip Lights



- Offers high brightness with a continuous glow
- Provides a no dotting effect when used with an LED profile
- Plug & Play installation
- Cuttable in 30mm increments
- Self-adhesive peel and stick backing
- Recommended to be used in conjunction with an LED Profile which assists with heat dissipation & ensures longevity of the LED diodes

| Technical and mounting details | Item number | Daylight White (4000k) | Cool White (6000k) | Warm White (3200k) |
|--|---|------------------------|--------------------|--------------------|
| <p>24V 3014 Continuous IP20</p>  | <p>MTM-3014 →</p> <p>Diode Size 3.0mm x 1.4mm</p> <p>Diodes (per/m) 204</p> <p>Voltage 24V DC</p> <p>Energy (watts) 16.3 per/m</p> <p>Width 10mm</p> <p>Projection 3mm</p> <p>Viewing Angle 120°</p> <p>Waterproof Rating IP20</p> <p>Dimmable Yes</p> <p>Lumens (per/m) 1590 to 2040</p> <p>Transformer 24V Maximum run 5 meters</p> <p><i>* If using the strip light in conjunction with a sensor or controller refer to capacity guide</i></p> <p>→ see page 31</p> | <p>DW</p> | <p>CW</p> | <p>WW</p> |

LED Lighting

LED Strip Lights



- Recommended for decorative feature lighting
- Cuttable in 170mm increments
- Produces an array of dazzling effects with 20 different mode settings
- Alternates between all LED colours, including cool white
- Memory function - previous setting will be resumed when powered on again
- Recommended to be used in conjunction with an LED profile which assists with heat dissipation & ensures longevity of the LED diodes

| | Technical and mounting details | Item number | Multicolour |
|--|---|-------------|-------------|
| <p>24V 5050 RGBW Multicolour</p> <p>To be used in conjunction with RGBW Multicolour Controller. → see page 16</p> | <p>MTM-5050 →</p> <p>Diode Size 5.0mm x 5.0mm</p> <p>Diodes (per/m) 60</p> <p>Voltage 24V DC</p> <p>Energy (watts) 10 per/m</p> <p>Width 10mm</p> <p>Projection 3mm</p> <p>Viewing Angle 120°</p> <p>Waterproof Rating IP20</p> <p>Dimmable Yes</p> <p>Lumens (per/m) 700</p> <p>Transformer 24V Maximum run 5 meters</p> <p><i>* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 31</i></p> | <p>RGBW</p> | |

LED Lighting

LED Strip Lights

- Used to activate the RGBW 5050 multicolour strip light
- Controller is supplied separately to the strip light

Technical and mounting details

RGBW Multicolour Controller



Item number

RGBW-CCU

Includes: remote, batteries, wall mount bracket

REMOTE

Size 110 x 52 x 20
Power AAA Batteries 2pcs
Size 85 x 45 x 23
Working Voltage 24V

CONTROLLER

Control Way R G B W
Max Load 144 watts
Control Distance 30 meters

Used to activate and control the RGBW Multicolour Strip Light.
→ see page 15

LED Profiles



LED Lighting

LED Profiles

Products And Services

LED Profiles transform the LED Strip Light into a complete lighting fixture which gives a stylish and finished look. They assist with heat dissipation of the strip light and ensure longevity of the LED diodes. The profile is composed of an aluminium backing and perspex diffuser which preserves and protects the strip light. Clear diffuser options provide maximum illumination and opaque diffusers diffuse light for a softer glow.

What Are Your Options With LED Profiles?



MTM

Made to Measure (MTM)

All Made to Measure orders are fabricated by us to your measurements. The profile includes diffuser, end caps, mounting clips (if applicable) & LED Strip Light option. For any in-depth lighting orders it is recommended to supply a sketch or plan.



DIY

Do It Yourself (DIY)

Choose your required LED components. All DIY components are supplied separately.

Ordering

MTM

When ordering Made to Measure lighting, please order using the following code string, for example:

Made to Measure **MTM** | Profile & Diffuser Option **SLIM-OP** | Strip Light Option / Colour **3528-CW**
CODE: MTM-SLIM-OP-3528-CW

Use the table below as a reference guide for strip lights colours and options.

STRIP LIGHT OPTIONS / COLOURS

| Strip Light Option/Colour | Code | Strip Light Option/Colour | Code |
|---------------------------|------------|---------------------------|-----------|
| 3528 Daylight White | 3528-DW | 5050 Daylight White | 5050-DW |
| 3528 Cool White | 3528-CW | 5050 Cool White | 5050-CW |
| 3528 Warm White | 3528-WW | 5050 Warm White | 5050-WW |
| 3528 Amber | 3528-AMBER | 3014 Daylight White | 3014-DW |
| 3528 Blue | 3528-BLUE | 3014 Cool White | 3014-CW |
| 3528 Green | 3528-GREEN | 3014 Warm White | 3014-WW |
| 3528 Red | 3528-RED | 5050 RGBW Multi Colour | 5050-RGBW |

DIY

All DIY codes are specified on each product. When ordering DIY LED Profiles please order using the following code string, for example:
 [SPECIFY QUANTITY] **CODE: DIY-SLIM-OP**

*For further information on LED strip light options refer to pages 8-16.

Order Forms

As a helpful guide when ordering, request an LED Lighting order form or call us to discuss your requirements.

Download order forms online – www.titustekform.com.au



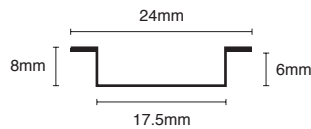
LED Lighting

LED Profiles

- Recess mount installation
- Supplied with an opaque or clear diffuser
- Profile can be screwed or glued into rebate
- Recess depth 7mm

Technical and mounting details

LED Slimline



MTM

As a helpful guide when ordering refer to the Made to Measure order form.



DIY

Supplied in a 2m length & includes end caps. All DIY components are supplied separately.

* Note: DIY connectors do not fit into the slimline profile.

| Item number | Description |
|-------------|-------------|
|-------------|-------------|

| | |
|--------------------|--|
| MTM-SLIM-CL | [Insert strip light option and colour - refer to table on page 18] |
|--------------------|--|

| | |
|--------------------|--|
| MTM-SLIM-OP | [Insert strip light option and colour - refer to table on page 18] |
|--------------------|--|

| | |
|--------------------|----------------|
| DIY-SLIM-CL | Clear Diffuser |
|--------------------|----------------|

| | |
|--------------------|-----------------|
| DIY-SLIM-OP | Opaque Diffuser |
|--------------------|-----------------|

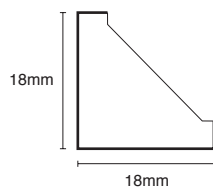
LED Lighting

LED Profiles

- Surface mount installation
- Supplied with an opaque or clear diffuser
- Top or side fixing
- Profile can be screwed on, glued or clipped on using mounting clips.

Technical and mounting details

LED Corner



Item number

Description

MTM-CORNER-CL [Insert strip light option and colour - refer to table on page 18]

MTM-CORNER-OP [Insert strip light option and colour - refer to table on page 18]

DIY-CORNER-CL

Clear Diffuser

DIY-CORNER-OP

Opaque Diffuser



MTM

As a helpful guide when ordering refer to the Made to Measure order form.



DIY

Supplied in a 2m length & includes end caps and mounting clips. All DIY components are supplied separately.

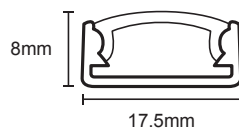
LED Lighting

LED Profiles

- Surface or recess mount installation
- Supplied with an opaque or clear diffuser
- Profile can be glued, screwed or clipped on using mounting clips supplied
- Recess depth 7mm

Technical and mounting details

LED Micro



| Item number | Description |
|---------------------|--|
| MTM-MICRO-CL | [Insert strip light option and colour - refer to table on page 18] |
| MTM-MICRO-OP | [Insert strip light option and colour - refer to table on page 18] |
| DIY-MICRO-CL | Clear Diffuser |
| DIY-MICRO-OP | Opaque Diffuser |



MTM

As a helpful guide when ordering refer to the Made to Measure order form.



DIY

Supplied in a 2m length & includes end caps and mounting clips. All DIY components are supplied separately.

* Note: DIY connectors do not fit into the micro profile.

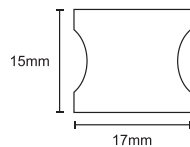
LED Lighting

LED Profiles

- Surface or recess mount installation
- Supplied with an opaque or clear diffuser
- Profile can be glued, screwed or clipped on using mounting clips supplied
- Recess depth 10mm

Technical and mounting details

LED Square Fusion



| Item number | Description |
|---|-----------------|
| MTM-SQ-CL [Insert strip light option and colour - refer to table on page 18] | |
| MTM-SQ-OP [Insert strip light option and colour - refer to table on page 18] | |
| DIY-SQ-CL | Clear Diffuser |
| DIY-SQ-OP | Opaque Diffuser |



MTM

As a helpful guide when ordering refer to the Made to Measure order form.



DIY

Supplied in a 2m length & includes end caps and mounting clips.
All DIY components are supplied separately.

*Note: DIY connectors do not fit into the square profile.

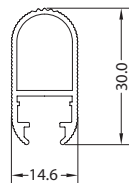
LED Lighting

LED Profiles

- Material - aluminium
- Supplied with an opaque diffuser
- Middle support brackets & end caps available
- Can be supplied as a hang rail option only (without strip light)

Technical and mounting details

LED Wardrobe Rail Light



MTM

As a helpful guide when ordering refer to the Made to Measure order form.



DIY

Supplied in a 2m length & includes end caps. All DIY components are supplied separately.

*Note: DIY connectors do not fit into the wardrobe profile.

Item number

Description

MTM-ROBE [Insert strip light option and colour - refer to table on page 18]

DIY →

ROBE

ROBE-EB

End Bracket

ROBE-MB

Middle Bracket

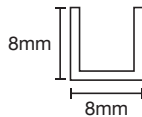
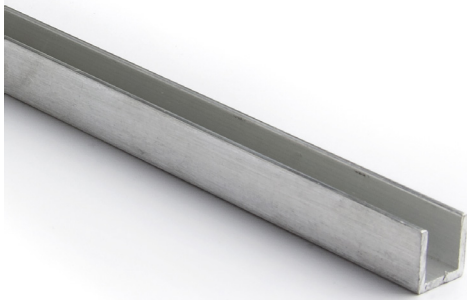
LED Lighting

LED Profiles

- Supplied to fit 8mm glass (glass not included)
- Best suited for glass with an opaque front edge
- Recommended to be used with 3528 standard strip light options

Technical and mounting details

LED Glass Profile



MTM

As a helpful guide when ordering refer to the Made to Measure order form.



DIY

Supplied in a 2m length. All DIY components are supplied separately.
*Note: DIY connectors do not fit into the glass profile.

Item number

Description

MTM-GLASS [Insert strip light option and colour - refer to table on page 18]

DIY →

GLASS

LED Sensors & Accessories



LED Lighting

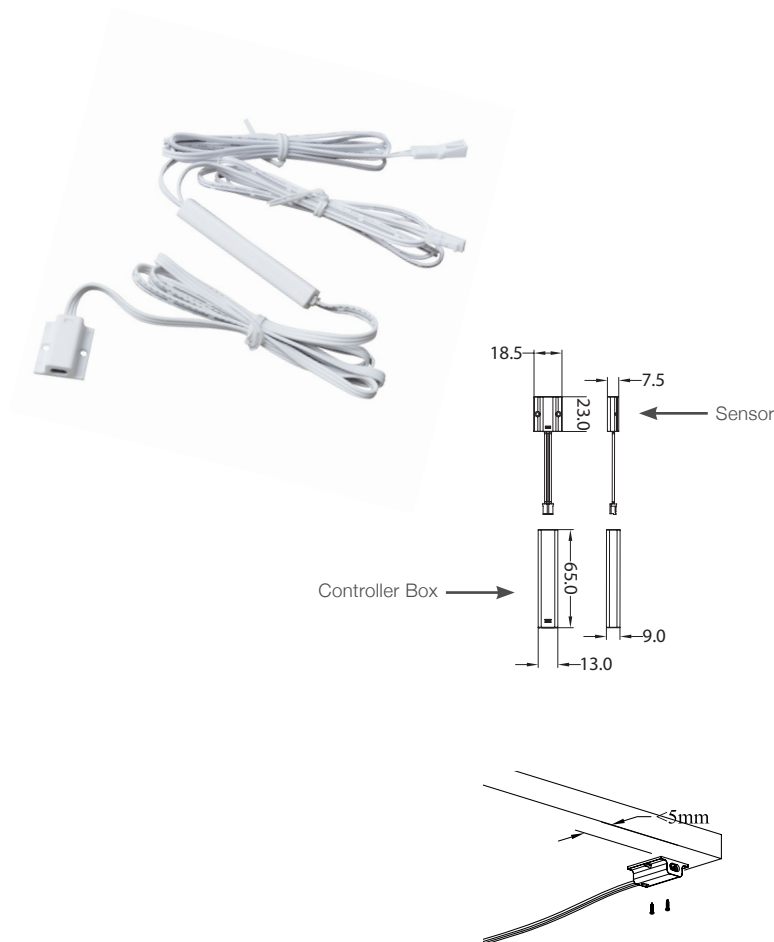
LED Sensors



- Colour - White
- Plug & Play installation
- Open and close door to activate and deactivate
- Compatible with Imperia downlight, 3528 & 3014 strip light options

Technical and mounting details

Door Sensor



| Item number | Description |
|--------------------|---------------|
| SS-D-SINGLE | Single Sensor |
| SS-D-DOUBLE | Double Sensor |

| | |
|-----------------------|-----------------------------------|
| Detection Area | Approx. detection 100mm |
| Input | DC 12V or DC 24V constant voltage |
| Output | DC 12V or DC 24V |
| Loading Power | 24W or 48W |
| Mounting | Surface |

* For sensor switch capacity guide
See page → 31

LED Lighting

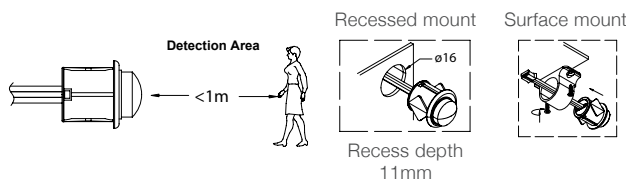
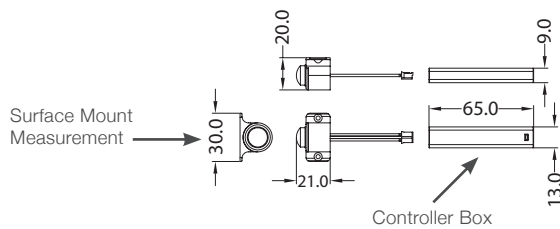
LED Sensors



- Colour - White
- Plug & Play installation
- Move in and out of detection range to activate and deactivate
- Compatible with Imperia downlight, 3528 & 3014 strip light options

Technical and mounting details

PIR Sensor



| Item number | Description |
|---------------|---------------|
| SS-PIR-SINGLE | Single Sensor |
| SS-PIR-DOUBLE | Double Sensor |

| | |
|------------------------|-----------------------------------|
| Detection Area | Approx. detection 1m |
| Input | DC 12V or DC 24V constant voltage |
| Output | DC 12V or DC 24V |
| Loading Power | 24W or 48W |
| Mounting | Surface or recess |
| Recess Depth | 11mm |
| Recess Diameter | 16mm |

* For sensor switch capacity guide
See page → 31

LED Lighting

LED Sensors




- Colour - White
- Plug & Play installation
- On/Off switch function
- Dimmer control includes – controller, remote/batteries & mounting bracket for remote
- Compatible with Imperia downlight, 3528, 3014 & 5050 strip light options

| | Technical and mounting details | |
|--|--|--------------------------|
| Dimmer Controller | Item number | Description |
|  <p>The image shows two components: a small white rectangular LED DIMMER controller with a label that includes 'LED DIMMER', 'RF WIRELESS LED DIMMER', and technical specifications; and a white RF Touch Remote with a blue circular touch pad and several buttons labeled 'ON', 'OFF', and a star icon.</p> | <p>LED-DIM</p> <p>Includes: remote, batteries, wall mount bracket</p> <p>RF Touch Remote 2.4 GHz</p> <p>Receiving Range 30 meters</p> <p>Input DC 12V or DC 24V constant voltage</p> <p>Output DC 12V or DC 24V</p> <p>Loading Power 60W (12V) or 120W (24V)</p> <p>Dimensions of Control Box 85mm x 45mm x 22mm</p> <p>Dimensions of Remote 114mm x 56mm x 20mm</p> <p><i>* For sensor dimmer control guide See page → 31</i></p> | <p>Dimmer Controller</p> |

LED Lighting

LED Sensors

- Allows you to operate the LED lights with a smart phone or tablet as your remote
- Additional accessory to the RGBW & dimmer control units
- Colour - White
- Plug & Play installation

| Technical and mounting details | Item number | Description |
|---|--|---|
| <p>WiFi Controller</p>  | <p>WIFI-CU</p> | <p>WiFi Controller</p> |
| | <p>RF Touch Remote</p> <p>Working Voltage</p> <p>Receiving Range</p> <p>Loading Power</p> <p>Dimensions of Control Box</p> <p>Dimensions of Remote</p> | <p>2.4 GHz</p> <p>12V or 24V</p> <p>20 meters</p> <p>DC 5V - by USB or power adapter</p> <p>90mm x 65mm x 16mm</p> <p>113mm x 56mm 20mm</p> |

Sensor Capacity Guide

Hand Sensor / Door Sensor / PIR Sensor / Touch Dimmer

Product

- 12V - Imperia downlights
- 12V - 3528 Standard strip light
- 12V - 5050 Extra bright strip light
- 24V - 3014 Continuous strip light

Capacity (maximum run)

- 4 x downlights (including 2m tail leading to transformer)
- 4.0 meters (including 2m tail leading to transformer)
- 1.5 meters (including 2m tail leading to transformer)
- 2.0 meters (including 2m tail leading to transformer)

Dimmer Control

Product

- 12V - Imperia downlights
- 12V - 3528 Standard strip light
- 12V - 5050 Extra bright strip light
- 24V - 3014 Continuous strip light

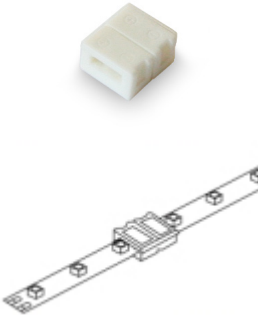

Capacity (maximum run)

- 6 x downlights (including 2m tail leading to transformer)
- 10 meters (including 2m tail leading to transformer)
- 4.0 meters (including 2m tail leading to transformer)
- 5.0 meters (including 2m tail leading to transformer)

LED Lighting

LED DIY and Accessories

- Compatible with 3528 standard strip light only
- Connector dimensions - (L) 16mm x (W) 12mm
- DIY components are recommended for strip light only options (no profile)

| | Item number | Length (Mtr) |
|--|--------------------|--------------|
| <p>DIY Connector</p>  | DIY-CONNECT | NA |
| <p>DIY Tail</p>  | DIY-TAIL | 2 |

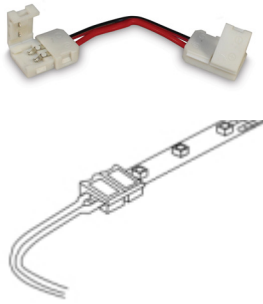

Note: Connectors are not recommended for use with LED profiles

Note: Connectors are not recommended for use with LED profiles

LED Lighting

LED DIY and Accessories

- Compatible with 3528 standard strip light only
- Connector dimensions – (L) 16mm x (W) 12mm
- DIY components are recommended for strip light only options (no profile)

| | Item number | Length (Mtr) |
|---|--|--------------|
| <p>DIY Corner Connector</p>  | DIY-CORNER | NA |
| | <ul style="list-style-type: none"> · 40mm wire between connectors <p>Note: Connectors are not recommended for use with LED profiles</p> | |
| <p>Extension Cable</p>  | DIY-EXT | 2 |
| | <p><i>2m extension lead can be used with LED Downlights and LED strip lights (except RGBW-strip lights)</i></p> | |


LED Transformers



LED Lighting

LED Transformers

- Protections - short circuit / overload / over voltage / over temperature
- Option of 25W or 60W depending on application requirements – see LED compatibility
- All transformers are supplied with a 6-way junction box

| | Item number | Description |
|--|------------------------|--|
| <p>12V-25W Transformer</p>  | <p>TF-25-12</p> | <p>12V-24W Transformer</p> <p>AC Input Voltage 100-240VAC - 50/60Hz , 1.0A Max</p> <p>DC Output 12V DC 2.08A Constant Voltage</p> <p>Output Watts Max 25 Watts</p> <p>Dimensions (L) 100mm (W) 47mm (H) 27mm</p> <p>Power Input Cord 1.5m</p> <p>LED Compatibility Imperia downlight, Tile light, 3528 standard strip light, Sensor switches</p> |

Transformer Capacity Guide

12V-25W Transformer

LED Downlights/ Strip lights

Imperia downlight

Tile light

3528 Standard strip light

5050 Extra bright

Per 25W Transformer (no sensors attached)

6 x downlights (including 2m tail leading to transformer)

4 x Tile lights (including 1.8m tail leading to transformer)

5.0 meters (including 2m tail leading to transformer)


1.5 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *See page* → 31

LED Lighting

LED Transformers

- Protections - short circuit / overload / over voltage / over temperature
- Option of 25W or 60W depending on application requirements – see LED compatibility
- All transformers are supplied with a 6-way junction box

| | Item number | Description |
|--|------------------------|---|
| <p>12V-60W Transformer</p>  | <p>TF-60-12</p> | <p>12V-60W Transformer</p> <p>AC Input Voltage 100-240VAC - 50/60Hz 1.5A Max</p> <p>DC Output 12VDC 5.0A Constant Voltage</p> <p>Output Watts Max 60 Watts</p> <p>Dimensions (L) 117mm (W) 51mm (H) 35mm</p> <p>Power Input Cord 1.5m</p> <p>LED Compatibility 3528 Standard, 5050 Extra bright</p> |

Transformer Capacity Guide

12V-60W Transformer

LED Strip lights

3528 Standard strip light

5050 Extra bright strip light

Per 60W Transformer (no sensors attached)

10 meters (including 2m tail leading to transformer)

4.0 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *See page* → 31

LED Lighting

LED Transformers

- Protections – short circuit / overload / over voltage / over temperature
- All Transformers are supplied with a 6-Way Junction Box

| | Item number | Description |
|--|--|----------------------------|
| <p>24V-60W Transformer</p>  | <p>TF-60-24</p> <p>AC Input Voltage 110-240VAC, 50/60Hz, 1.4A</p> <p>DC Output 24V DC 2.50A Constant Voltage</p> <p>Output Watts Max 60 Watts</p> <p>Dimensions (L) 125mm (W) 50mm (H) 31.5mm</p> <p>Power Input Cord 1.5m</p> <p>LED Compatibility 3014 continuous & 5050 RGBW multicolour strip light options</p> | <p>24V-60W Transformer</p> |

Transformer Capacity Guide

24V-60W Transformer

LED Strip lights

3014 Continuous strip light

5050 RGBW Multicolour strip light

Per 60W Transformer (no sensors attached)

3.5 meters (including 2m tail leading to transformer)


4.0 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *See page* → 31

LED Lighting

LED Transformers

- Protections – short circuit / overload / over voltage / over temperature
- All Transformers are supplied with a 6-Way Junction Box

| | Item number | Description |
|--|--|----------------------------|
| <p>24V-90W Transformer</p>  | <p>TF-90-24</p> <p>AC Input Voltage 110-240VAC, 50/60Hz, 1.4A</p> <p>DC Output 24V DC 3.75A Constant Voltage</p> <p>Output Watts Max 90 Watts</p> <p>Dimensions (L) 150mm (W) 60mm (H) 33mm</p> <p>Power Input Cord 1.5m</p> <p>LED Compatibility 3014 continuous & 5050 RGBW multicolour strip light options</p> | <p>24V-90W Transformer</p> |

Transformer Capacity Guide

24V-90W Transformer

LED Strip lights

3014 Continuous strip light

5050 RGBW Multicolour strip light

Per 90W Transformer (no sensors attached)

5.0 meters (including 2m tail leading to transformer)

5.0 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *See page* → 31

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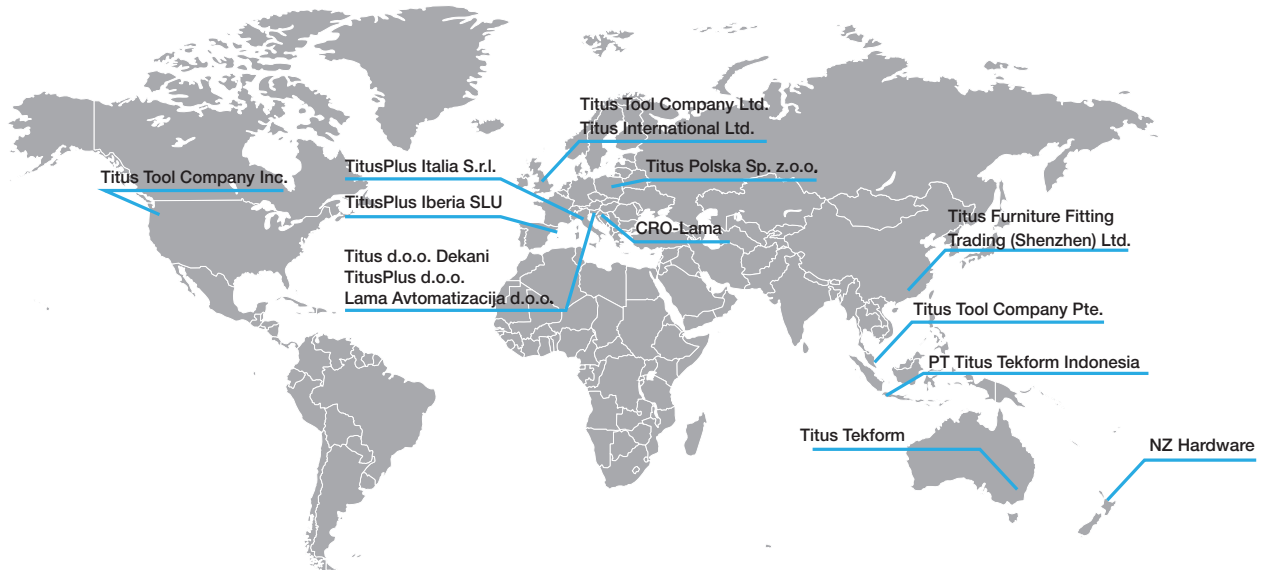
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Victoria

Titus Tekform Pty Ltd
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T: +61 3 9737 5566
Fax: +61 3 9729 8780

Titus Tekform Pty Ltd
2/24 Kane Road
Wodonga, VIC, 3690
T: +61 2 6056 3188
Fax: +61 2 6056 3190

Western Australia

Titus Tekform Pty Ltd
(Biemel's Cabinet Hardware)
5/2 Wittenberg Drive
Canning Vale, WA, 6155
T: +61 8 9455 2122
Fax: +61 8 9455 3680

South Australia

Titus Tekform Pty Ltd
PO Box 357,
Bayswater, VIC, 3153
T: +61 8 8447 3700
Fax: +61 8 8447 3183

New South Wales

Titus Tekform Pty Ltd
Unit 1&2, 41-43 Whyalla Place
Prestons, NSW, 2170
T: +61 2 9826 0007
Fax: +61 2 9826 0074

Titus Tekform Pty Ltd
Unit 3, 100 Munibung Road
Cardiff, NSW, 2285
T: +61 2 4954 4011
Fax: +61 2 4354 4233

Titus Tekform Pty Ltd
(John Kaye Kitchen & Cabinet Hardware)
Cnr Heffernan & Brookes Street
Mitchell, ACT, 2911
T: +61 2 9826 0007
F: +61 2 9826 0074

Tasmania

Titus Tekform Pty Ltd
88 Hopkins Street
Moonah, TAS, 7009
T: +61 3 6273 1199
Fax: +61 3 6273 0050

Queensland

Titus Tekform Pty Ltd
76 Northlink Place
Virginia, QLD, 4014
T: +61 7 3266 3999
Fax: +61 7 3266 5234

Titus Tekform Pty Ltd
20 Civil Road
Garbutt, QLD, 4814
T: +61 7 4779 1366
Fax: +61 7 4779 1316

New Zealand

Stefano Orlati
(NZ Hardware Enterprises)
34 Waipareira Avenue
Henderson, Auckland 0610

Stefano Orlati
(NZ Hardware Enterprises)
162 Wordsworth Street
Sydenham, Christchurch 8023

www.titustekform.com.au
info@titustekform.com.au



Titus Tekform Australia

www.titustekform.com.au

info@titustekform.com.au

Stefano Orlati New Zealand

www.stefanohardware.com

info@nzhe.co.nz

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