

Stefano Orlati Titus+

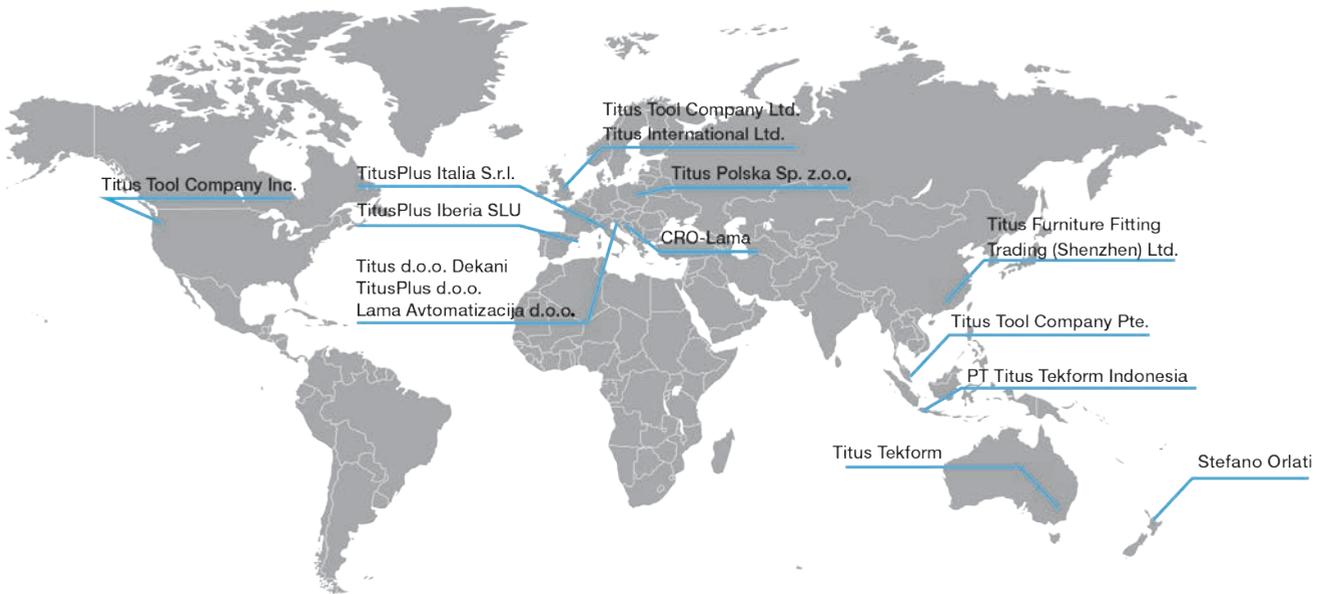


LED Lighting
& Connectivity

Stefano Orlati Titus+

Titus+
Tekform

Worldwide design, manufacturing and local distribution capabilities



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Stefano Orlati LED Lighting

Product Guide

Lighting Information			
Key Terms	6	Key Design Choices	9
Watts vs Lumens	7	Made to Measure Service	10
What is Colour Temperature?	8	Product Comparison Chart	11
LED Strip Lights			
24V 3527 Colour Tuneable	20	24V 5050 RGBW Colour	24
24V COB 528	21	12V 5050 Bright	25
24V 2835 5mm	22	12V 3528 Standard IP65	26
24V 3014 Continuous	23	12V 3528 Standard IP20	27
LED Profiles			
Pendant Profile	30	Square Fusion Profile	33
Micro Profile	31	Corner Profile	34
Slimline Profile	32	8mm Pluto Profile	35
LED Downlights			
24V Imperia Downlights	40	12V Imperia Downlights	41
Accessories & Transformers			
5-in-1 Controller	44	PIR Sensor	53
Dimmer Panel	45	Toggle Switch	54
Colour Tuneable Remote Panel	46	12V - 25W Transformer	55
RGBW Remote Panel	47	12V - 25W Transformer	56
RGBW Controller	48	12V - 25W Transformer	57
Dimmer Remote	49	12V - 25W Transformer	58
Touch Dimmer	50	12V - 25W Transformer	59
Door Sensor	51	12V - 25W Transformer	60
Hand Sensor	52	DIY Accessories	61
Capacity Guide			
Capacity Guide			62
Wireless Lighting & Connectivity			
Luna Lithium Light	64	Built-in Wireless Charger	65
Warranty & FAQs			
Warranty Information	66	Frequently Asked Questions	67

Enhance your space with LED Lighting



Low maintenance

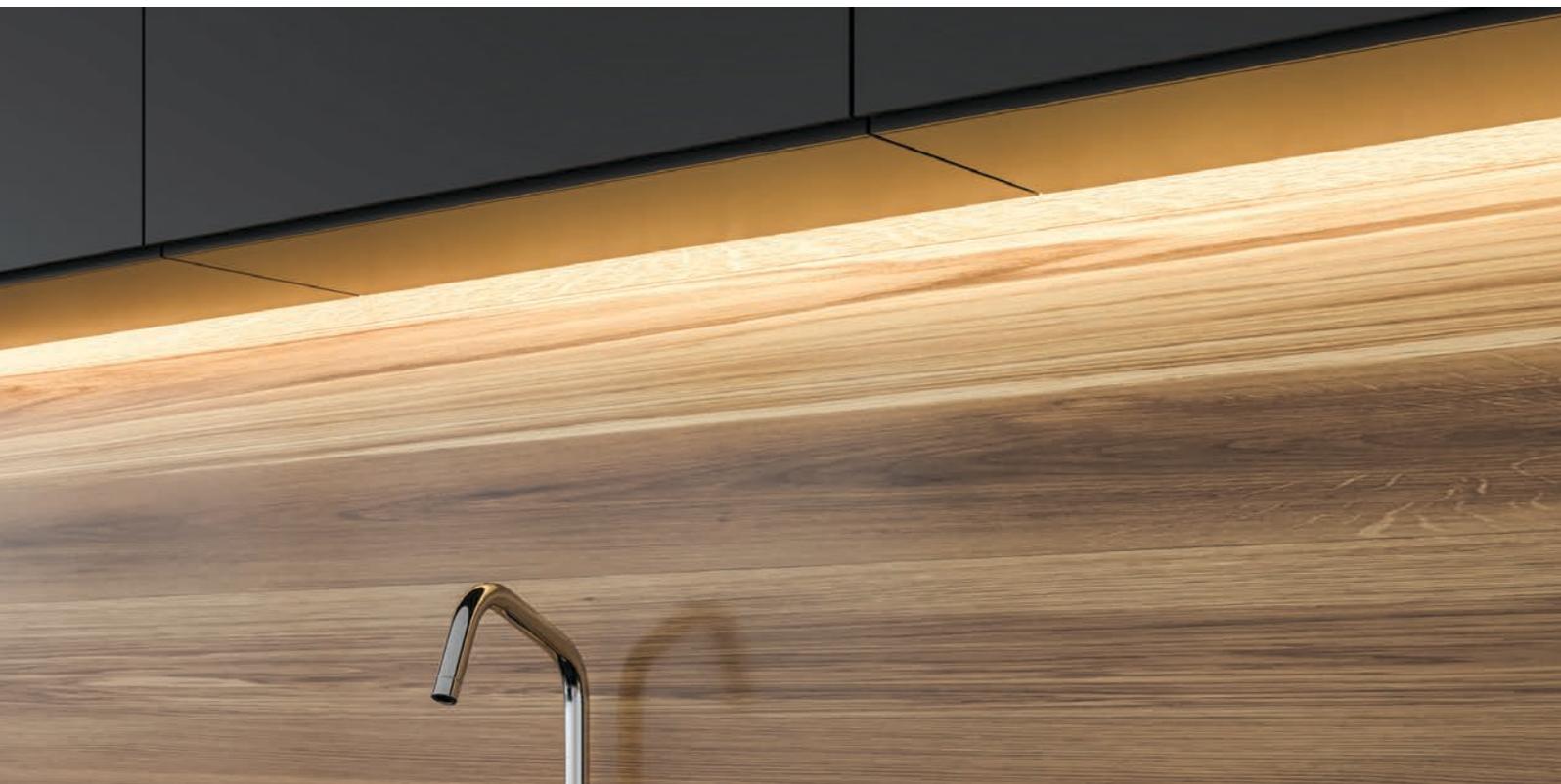
- Plug and play installation
- Lifetime of between 30,000 and 60,000 hours or more

Energy efficient

- Uses approximately 85% less energy than halogen or incandescent lights
- Achieves full brightness in microseconds
- Cuts greenhouse gas emissions

Safer for you and the environment

- Contains no mercury or lead
- Emits no UV rays or infrared radiation
- Operates at a much cooler temperature than incandescent lights



Made to Measure options

- Order to suit your lighting plan
- All connections and transformers included
- Hassle-free service

Customise to suit your application

- LED Profiles for improved heat dissipation
- Amazon Alexa and Google Home Smart home connectivity options
- Remote controller panels for enhanced functionality

Quality certified

- To Australian and New Zealand standards AS/NZS 3190:2011

LED Lighting Information

Getting Started

A basic understanding of lighting essentials will help you create an effective lighting plan to supplement your interior design.

Lighting metrics can be a little confusing to understand, however once you have a solid grasp of the concepts and terminology, you'll be ready to finalise your lighting plan.

Keep reading to gain a brief overview of design parameters, technologies and terminology used in the lighting industry.

Key Terms

- **Ampere** Also referred to as 'amps', this indicates the current. This is the number of electrons flowing through the cable in a given period of time.
- **Input** The amount of electrical energy put into a device, measured in lumens.
- **IP Rating** A classifying system that rates the degree of protection provided by mechanical casings and electrical enclosures against intrusion, dust, accidental contact and water.
- **LED** Stands for Light Emitting Diode, which are solid state lighting components. Each individual LED consists of a semiconductor diode which emits light when a voltage is applied.
- **Lumens** A unit of luminous intensity which measures the total quantity of visible light emitted by a source per unit of time.
- **Lux Formula** A measurement of illuminance which determines how much light there is over a given surface area. One lux (lx) is equal to one lumen per square metre. The number of lumens divided by metres squared = lux measurement.
- **Output** The amount of light emitted, measured in watts.
- **Projection** The distance or angle a light can reach from its originating source.
- **Transformer** An electrical device that transfers electrical energy from one electrical circuit to another, reducing or increasing the voltage of an electrical circuit.
- **Voltage** The pressure from an electrical circuit's power source that pushes charged electrons (the current) through a conducting loop, enabling them to illuminate.
- **Watts** A power unit or radiation flux, corresponding to the rate of consumption of energy in an electrical circuit where the potential difference is one volt and the current one ampere.



Watts vs Lumens

What's the difference?

Lighting was once ranked on the number of watts used when purchasing the now defunct incandescent bulbs. New energy-efficient LED technology means that we can no longer rely on wattage to indicate the brightness of a bulb. Instead we measure in Lumens.

Lumens give a measure of the amount of light produced by a light source. Incandescent light bulbs produced 800 lumens and used 60W of power, whereas energy-efficient LEDs use only 10W. More lumens equals more light.

Comparison by lighting source:

Incandescent Watts (least efficient)	Lumen Value (amount of light)	LED (most efficient)	Compact Fluorescent Lamp (less efficient)	Halogen (less efficient than CFL but more than incandescent)
100W	1500	Up to 23W	Up to 23W	Up to 70W
75W	1100	Up to 17W	Up to 23W	Up to 52W
60W	800	Up to 12W	Up to 15W	Up to 42W
40W	500	Up to 8W	Up to 9W	Up to 28W
25W	500	Up to 4W	Up to 6W	Up to 18W

How to calculate amperage

$$W \div V = A$$

A simple formula to calculate amps is as follows: **Watts** divided by **Volts** equals **Amps**.

For instance, if the wattage of the lighting source you are working with is 60W and the volts are 12V, then the amperage would be 5.
60 watts divided by 12V equals 5 amps.

It's important not to overload lighting tools like transformers.

If you have a transformer rated for 10 amps but you run 200 amps through it, the transformers fuse will break. You need to make sure the lighting fixtures aren't taking on more current than they can handle and are rated for.

Accessories like sensors also affect the overall amperage and need to be taken into account in your calculations. Using over or under powered transformers isn't just inefficient - it can also be dangerous, causing over-heating, short-circuiting or even fire.

How to determine the correct transformer by calculating minimum wattage

$$\text{Min. Wattage} = \text{Output} \times \text{Length}$$

Transformers are used within homes to convert electrical power into multiple fixtures. For example, if your home runs on 240-volt power, transformers can convert the energy down to the 12V or 24V needed for individual fixtures.

The number of lights and accessories run off each transformer will determine the minimum wattage your transformer needs to support. Calculate wattage based on the **number of downlights**, or the **length of your strip light** multiplied by the **output (watts) per light or metre**.

So if you have six downlights each with an output of 3.2W, then 6 x 3.2 will give a minimum wattage of 19.2.
Likewise, if your strip light has an output of 10W per metre and you want to run 3m, then your transformer must support a minimum of 30W (10W x 3m).

If you're running the lights through a sensor or accessory to control the activation, then your sensor must also support a loading power greater than the minimum total wattage.

LED Lighting Information

What is Colour Temperature?

Different areas within a house or project suit different colour temperatures according to their use

Colour temperature is dictated by three tones: Warm White, Cool White and Daylight White.

The Kelvin degree system designates a rating to the colour temperature of the light, corresponding to this spectrum. The higher the Kelvin, the cooler the colour temperature.

While whiter lights may seem brighter, the number of lumens doesn't actually change and the true brightness is not affected by the change in colour temperature.

Traditionally, most homes were lit by incandescent bulbs with a warm white tone and while these bulbs were most common, it doesn't necessarily mean that they are the best option for every space. The colour temperature of your lighting can make a big difference to your paint and even the overall look and feel of your space.

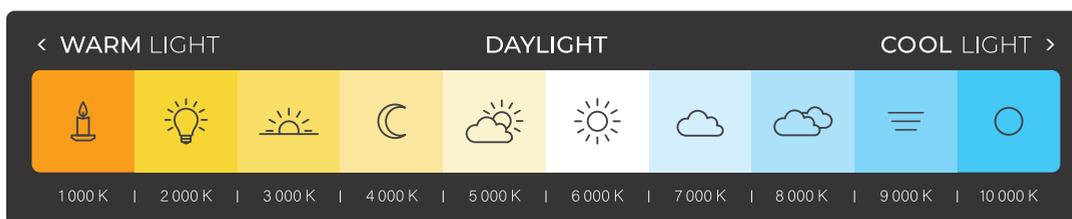
Ultimately, the decision is up to you, but if you're having trouble deciding, opt for our **Colour Tuneable strip lights** for control and flexibility and the best of all worlds.

Warm White: With a kelvin rating between 2600 - 3200, warm white lights are associated with comfort and relaxation. It's the gentlest light so it's great for overall illumination in living areas, dining rooms and bedrooms.

Cool White: Cool white can be anywhere between 5000 - 10,000K and appears whiter and more neutral than the warm white. Cool white tones are great for task lighting in spaces like medical clinics, kitchens, bathrooms, workspaces, or security and outdoor lighting. The lack of red undertones stimulates our minds and promotes a sense of energy and focus.

Daylight White: Placed between 3500 and 5000K, daylight white provides a good middle ground between the sometimes harsh cool white tones and the occasionally overbearing warm whites. It's a good everyday choice for multi-purpose spaces.

LIGHT TEMPERATURE





Key Design Choices

Knowing the purpose of your lighting is the first step to creating a balanced lighting plan

Sophisticated lighting plans generally include a combination, or 'layering' of all three lighting types.

Task Lighting has a functional purpose and is ideal for detailed task work, such as food prep or working at a desk. Generally brighter than ambient lighting to avoid eyestrain.



Accent Lighting is used to draw attention to a feature or architectural detail, with brighter focused lighting such as that used on decorative shelving.



Ambient Lighting provides consistency and uniformity in a space and is typically soft with practical applications for visibility. Often soft and dimmed for desired aesthetics.



IP Rating Chart:

IP65 = IP 6 & 5

No.	Solids (First number)	No.	Liquids (Second number)
0	No protection	0	No protection
1	Protected against objects > 50mm (hands)	1	Protection against dripping water or condensation
2	Protected against objects > 12mm (fingers)	2	Protection against water spray 15° from vertical
3	Protected against objects > 2.5mm (tools/wires)	3	Protection against water spray 60° from vertical
4	Protected against objects > 1.5mm (small tools)	4	Protection against water spray from all directions
5	Protected against dust, limited ingress	5	Protection against low pressure jets of water
6	Totally protected against dust	6	Protection against high pressure water jets and heavy seas
7	N/A	7	Protection against the effects of immersion (6 inches to 3.3 feet)
8	N/A	8	Protection against immersion

LED Lighting

Made to Measure Service

Want to take the hassle out of lighting? Order MTM

Why choose Made to Measure?

Stefano Orlati Lighting offers a full service Made to Measure program second to none. All Made to Measure orders are cut to your measurements and outfitted with the required connectors. The profile includes diffuser, end caps, mounting clips (if applicable) & LED strip light option, as well as a 2m cable as standard.

Our Made to Measure service is more than just fabrication, our trained lighting technicians have many years of industry knowledge and the technical know-how to answer your questions. We're also available by phone if there are issues with installation.

01

LIGHTING PLAN

To help us visualise your design, sketch a quick floorplan showing where your lighting will be situated. Our expert lighting technicians will review your drawing and get back to you with any queries or suggestions. Unless advised otherwise, we will assume all plans are in our preferred bird's eye view.

02

LIGHTING CHOICE

Select from our range of strip lights and downlights to find the best option to suit your application. Need colour tuneable lights or enhanced water resistance? Or want to add a profile to help with heat dissipation and a more finished look? For details on applications, see page xx

03

ACCESSORIES

Choose controllers, remotes and sensors to enhance the functionality and useability of your lighting. Add a compatible transformer and we'll look after any required connections or soldering. For more information on capacity guides and compatibility, see page xx

04

DELIVERY

MTM lighting orders are supplied in tubes to avoid damage during transit. Our trained lighting technicians are also available by phone if you have questions about installation.



MTM

Step 1: Lighting Plan

What do I need to consider when creating a lighting plan?

To assist our lighting technicians with your Made to Measure order, send through a quick sketch or drawing of your lighting design in plan view.

We suggest planning for multiple different sources of light to allow for greater control and flexibility. Keep in mind practicalities

and the area's main functions to inform your choices and determine what you will require. Think of your lighting in terms of three key phases - task lighting, accent lighting and ambient lighting. Balancing each of these aspects of your lighting design will create a cohesive space and stylish layering.

What should my lighting plan include?

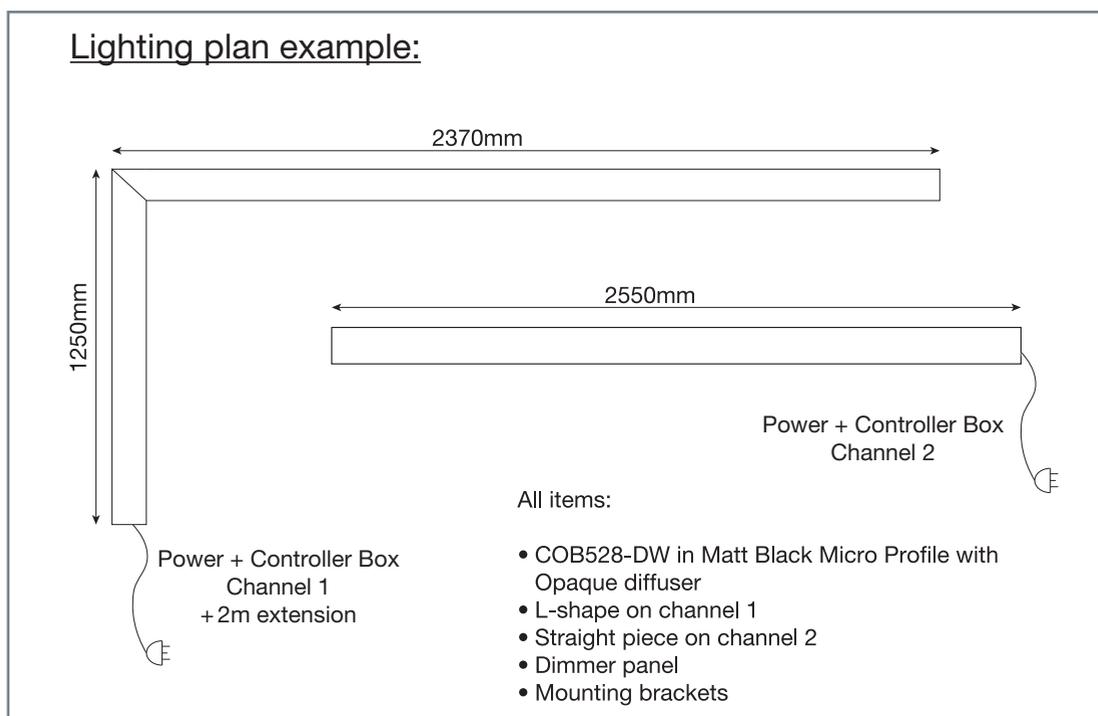
When designing your lighting plan, make sure to note things like mounting details - whether recessed or surface mounted - as well as measurements and power sources.

If you're using accent lighting inside cabinets or along decorative shelving, make sure this is marked. Think about

what controllers or sensors you need, and where these can be accessed to ensure an easy flow when using your space. Consider the direction of the light and keep in mind maximum runs by referring to our capacity guides.

Lighting plan checklist:

- Double check measurements
- Confirm location of transformers and power source
- Check compliance with local building codes, ie. distance to appliances and water sources



LED Lighting

Made to Measure Service

Step 2: Choose your lighting

What lighting options can I choose?

Start by selecting your strip lights and then adding any additional downlights, profiles or modular pendant lighting to complete your look.

Different strip lights offer different functionalities, power levels and compatibility options, so it's important to keep your lighting goals in mind when making your selections.

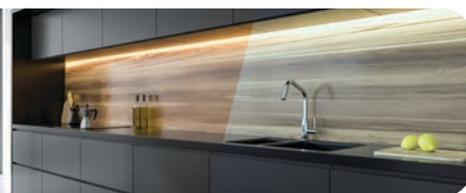
Strip Lights:

24V 3527 Colour Tuneable Strip Light (page 20)

Control the colour temperature from cool white to warm white in a single strip light.

Colour: Tuneable

Length: _____ Remote panel qty: _____ Controller box qty: _____



24V COB 528 Strip Light (page 21)

Flexible chip-on-board lighting for uniform glow.

Colour: Cool White Daylight White Warm White

Length: _____



24V 2835 5mm Strip Light (page 22)

Narrow strip light for use with 8mm Pluto profile options (page 35).

Colour: Cool White Daylight White Warm White

Length: _____ 8mm Pluto Profile: Foggy Silver Matt Black



24V 3014 Continuous Strip Light (page 23)

Use with an LED profile for a steady non-dotted lighting effect.

Colour: Cool White Daylight White Warm White

Length: _____



24V RGBW Colour Changing Strip Light (page 24)

Cycle between red, green, blue, yellow or cool white lighting options in a single strip light.

Colour: RGBW

Length: _____ Remote panel qty: _____ Controller box qty: _____

RGBW controller instead of remote panel





MTM

Step 2: Choose your lighting

12V 5050 Bright Strip Light (page 25)

Up to 3x brighter than standard 3528 strip lights.

Colour: Cool White Daylight White Warm White

Length: _____



12V 3528 IP65 Water Resistant Strip Light (page 26)

A water-resistant strip light suitable for bathroom and vanity applications.

Colour: Cool White Daylight White Warm White

Length: _____



12V 3528 IP20 Strip Light (page 27)

A standard strip light for everyday use.

Colour: Cool White Daylight White Warm White

Length: _____



Downlights:

Foggy Silver Imperia LED Downlights (page 40-41)

Plug and play installation with optional surface mount bracket.

12V 24V

Colour: Cool White Daylight White Warm White

Qty: _____ Surface mount bracket qty: _____



Matt Black Imperia LED Downlights (page 40-41)

Plug and play installation with optional surface mount bracket.

24V

Colour: Cool White Daylight White Warm White

Qty: _____ Surface mount bracket qty: _____



Brushed Nickel Imperia LED Downlights (page 40-41)

Plug and play installation with optional surface mount bracket.

24V

Colour: Cool White Daylight White Warm White

Qty: _____ Surface mount bracket qty: _____



LED Lighting

Made to Measure Service

Step 2: Choose your lighting

Why choose an LED profile?

LED Profiles transform the LED Strip Light into a complete lighting fixture which gives a stylish and finished look.

LED profiles assist in dissipating heat and diffusing glow, creating a safer and steadier lighting solution, as well as improving the longevity of the LED diodes.

The profile is composed of an aluminium backing and perspex diffuser which preserves and protects the strip light. Choose clear diffusers for brighter lighting or opaque for softer illumination.

Profiles:

Micro Profile (page 31)

Surface or recess mount.

Finish: Silver Matt Black

Diffuser: Opaque Clear* Tinted*

Length: _____



Slimline Profile (page 32)

Recess mount.

Finish: Silver Matt Black

Diffuser: Opaque Clear* Tinted*

Length: _____



Square Fusion Profile (page 33)

Surface or recess mount.

Finish: Silver Matt Black

Diffuser: Opaque Clear* Tinted*

Length: _____



Corner Profile (page 34)

Surface or recess mount.

Finish: Silver Matt Black

Diffuser: Opaque Clear* Tinted* (on request)

Length: _____



Pendant Profile (page 30)

Order Pendant Profiles products direct with the relevant product code, but let us know if you're planning to add one to your lighting plan so we can recommend the best transformers and remote panels.

Include in lighting plan? Length: _____



*Clear and tinted diffusers not available in NZ.



MTM

Step 3: Accessories

What transformer do I need?

The voltage and power of your transformer will determine how many lights or the length of a strip light you can run within the transformer's capacity. Since each strip light consumes power at different rates, the maximum length will vary. Sensors also require power, so adding a sensor option will reduce the amount of power available to run your

strip lights. The higher the wattage of the transformer, the higher the capacity, however you have to be careful not to overpower your lighting or it could overheat and become a safety risk. Use our capacity guide on page 62 to help determine the best transformer for your needs.

Transformers:

12V Transformer (page 55-57)

With 6-way junction box included.

Wattage: 25W 60W 90W (NZ only)

Qty: _____

24V Transformer (page 58-60)

With 6-way junction box included.

Wattage: 60W 90W 120W

Qty: _____

Sensors, Dimmers and Controllers:

Sensors (page 50-54)

Activate or deactivate lighting through set motions or proximity. Includes 6-way junction box.

Hand Sensor: Qty: _____

Door Sensor: Single Double Qty: _____

PIR Sensor: Single Double Qty: _____

Touch Dimmer: Qty: _____

Toggle Switch: Qty: _____

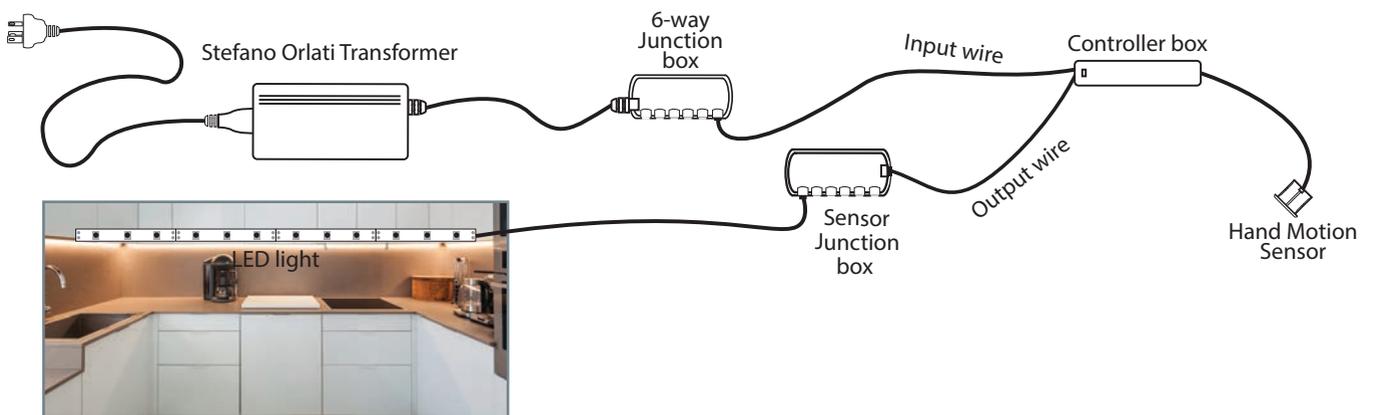
Controllers (page 44-49)

Activate or deactivate lighting through handheld or wall mounted remote controllers.

Dimmer Remote Panel & Controller Box: Qty: _____

Dimmer Remote Controller: Qty: _____

5-in-1 Controller Box: Qty: _____





SCAN ME

Customer Name

Contact Person

Order Number / Job Name

*All in-depth lighting orders require a sketch or drawing to be supplied in plan view.

1. Flexible ribbon only
 2. Ribbon and profile

STRIP LIGHT / COLOUR OPTIONS

Includes 2m tails soldered on each end

24V 3527 Colour Tuneable Strip Light	<input type="checkbox"/> 1. Cool White/Warm White Tuneable Length: _____	<input type="checkbox"/> Tuneable Colour Temperature Remote Panel Qty: _____	<input type="checkbox"/> Controller Box Qty: _____
24V COB 528 Strip Light	<input type="checkbox"/> 1. Cool white Length: _____	<input type="checkbox"/> 2. Warm white	<input type="checkbox"/> 3. Daylight White
24V 2835 5mm Strip Light	<input type="checkbox"/> 1. Cool white Length: _____	<input type="checkbox"/> 2. Warm white 8mm Pluto Profile: <input type="checkbox"/> Foggy Silver <input type="checkbox"/> Matt Black	<input type="checkbox"/> 3. Daylight White
24V 3014 Continuous Strip Light	<input type="checkbox"/> 1. Cool white Length: _____	<input type="checkbox"/> 2. Warm white	<input type="checkbox"/> 3. Daylight White
24V RGBW Colour Change Strip Light	<input type="checkbox"/> 1. RGBW Length: _____	<input type="checkbox"/> RGBW Colour Changing Remote Panel or RGBW Remote Control Qty: _____	<input type="checkbox"/> Controller Box Qty: _____
12V 5050 Bright Strip Light	<input type="checkbox"/> 1. Cool white Length: _____	<input type="checkbox"/> 2. Warm white	<input type="checkbox"/> 3. Daylight White
12V 3528 IP65 Water Resistant Strip Light	<input type="checkbox"/> 1. Cool white Length: _____	<input type="checkbox"/> 2. Warm white	<input type="checkbox"/> 3. Daylight White
12V 3528 IP20 Strip Light	<input type="checkbox"/> 1. Cool white Length: _____	<input type="checkbox"/> 2. Warm white	<input type="checkbox"/> 3. Daylight White

LED PROFILES, DOWNLIGHTS AND TRANSFORMERS

*Includes length of aluminium, diffuser, end caps & mounting clips. Note: LED strip lights are recommended to be used in conjunction with profiles. Clear diffusers available on request.

Slim - 2m length <input type="checkbox"/> Opaque <input type="checkbox"/> Foggy Silver <input type="radio"/> <input type="checkbox"/> Tinted <input type="checkbox"/> Matt Black <input checked="" type="radio"/> Length: _____	Corner - 2m length <input type="checkbox"/> Opaque <input type="checkbox"/> Foggy Silver <input type="radio"/> <input type="checkbox"/> Tinted* <input type="checkbox"/> Matt Black <input checked="" type="radio"/> Length: _____	Square Fusion - 2m length <input type="checkbox"/> Opaque <input type="checkbox"/> Foggy Silver <input type="radio"/> <input type="checkbox"/> Tinted <input type="checkbox"/> Matt Black <input checked="" type="radio"/> Length: _____	Micro - 2m length <input type="checkbox"/> Opaque <input type="checkbox"/> Foggy Silver <input type="radio"/> <input type="checkbox"/> Tinted <input type="checkbox"/> Matt Black <input checked="" type="radio"/> Length: _____	Pendant Profile Order separately <input type="checkbox"/> Include in lighting plan? Length: _____
---	--	--	--	---

12V Imperia LED Downlights

Cool White Foggy Silver
 Warm White Qty: _____
 Daylight White
 OPTIONAL: Surface Mount Brackets QTY: _____

24V Imperia LED Downlights

Foggy Silver Cool White Qty: _____
 Matt Black Warm White
 Brushed Nickel Daylight White
 OPTIONAL: Surface Mount Brackets QTY: _____

TRANSFORMERS:

<input type="checkbox"/> 12V-25W Transformer	Qty: _____
<input type="checkbox"/> 12V-60W Transformer	Qty: _____
<input type="checkbox"/> 12V-90W Transformer	Qty: _____
<input type="checkbox"/> 24V-60W Transformer	Qty: _____
<input type="checkbox"/> 24V-90W Transformer	Qty: _____
<input type="checkbox"/> 24V-120W Transformer	Qty: _____

See capacity guides for more information.

SENSORS AND CONTROLLERS (OPTIONAL - see catalogue for compatibility)

<input type="checkbox"/> Hand Sensor Qty: _____	<input type="checkbox"/> Touch Dimmer Qty: _____	<input type="checkbox"/> Dimmer On/Off Remote Qty: _____
<input type="checkbox"/> Door Sensor <input type="checkbox"/> Single <input type="checkbox"/> Double Qty: _____	<input type="checkbox"/> Toggle Switch - Single Qty: _____	<input type="checkbox"/> Dimmer Remote Panel & Controller Box Qty: _____
<input type="checkbox"/> PIR Sensor <input type="checkbox"/> Single <input type="checkbox"/> Double Qty: _____		<input type="checkbox"/> 5-in-1 Controller Box Qty: _____

NOTES:

Product Comparison Chart

Lighting Product	Voltage	Energy (watts)	LEDs (per/m)	Lumens (per/m)	IP Rating	Max. Run	Cuttable Increments	Best suited for	Page
3528 12V IP20 Standard Strip Light	12V	4.8/m	60	300	IP20	10m	50mm	Standard 12V applications for everyday use	27
3528 12V IP65 Standard Strip Light	12V	4.8/m	60	300	IP65	10m	50mm	Areas prone to moisture or steam like vanities	26
5050 12V Extra Bright Strip Light	12V	14.4/m	60	900	IP20	4m	50mm	Commercial applications	25
3014 24V Continuous Strip Light	24V	16.3/m	204	1590-2040	IP20	7m	30mm	Non-dotted effects when used with an LED profile	23
2835 24V 5mm Strip Light	24V	14.4/m	120	1300-1500	IP20	8m	50mm	Narrow spaces like behind rangehoods	22
COB 528 24V 8mm Flexible Strip Light	24V	10/m	COB	1000-1100	IP20	12m	11mm	Continuous glow with modern Chip on Board reliability	21
3527 24V Colour Tuneable Strip Light	24V	19.2/m	120	1000-1500	IP20	6m	50mm	Adaptability to adjust between cool or warm white	20
RGBW 24V Coloured Strip Light	24V	10/m	20	700	IP20	12m	170mm	Ideal for shopfitting or bar and club applications	24
Imperia Downlight 12V	12V	3.2	1x COB	N/A	IP20	6 lights	N/A	Low voltage downlights	41
Imperia Downlight 24V	24V	3	1x COB	N/A	IP20	6 lights	N/A	Under cabinetry features	40

Profile Option	Finish	Diffusers	Mounting	Dimensions (WxHxL)	Best suited for	Page
Pendant Profile	FS / MB	Opaque	Suspension or wall mount	55x70x2000	Islands or feature pieces	30
8mm Pluto Profile	FS / MB	Opaque	Surface mount with 3M tape	8x7.8x3000	Narrow spaces like behind rangehoods	35
Micro Profile	FS / MB	CL / OP / TI	Surface mount or recess	17.5x8x3000	Unobtrusive surface mounting	31
Slimline Profile	FS / MB	CL / OP / TI	Recess mount (7.5mm)	24x8x3000	Recess mount applications	32
Square Fusion Profile	FS / MB	CL / OP / TI	Surface mount or recess	17x15x3000	Perfect height to suit 16mm board without requiring a rebate	33
Corner Profile	FS / MB	CL / OP / TI	Surface mount	18x18x3000	Angled applications	34

LED Strip Lights





BJF JOINERY

Credit: BJF Joinery

LED Strip Lights

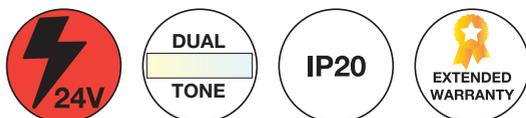
24V 3527 Colour Tuneable



One product to suit every application - the 3527 tuneable strip can be adjusted from cool white to warm white and everything in between

- Adjust colour temperature to suit a variety of moods and rooms
- Plug & Play installation
- Cuttable in 50mm increments
- Self-adhesive peel and stick backing
- Long-life LED diodes

Note: Requires the Tuneable Panel and a controller box to access full functionality (p. 46)



BRIGHTNESS

Technical and mounting details



Item number

Adjustable from approx 3000k to approx 6000k

24V 3527 Colour Tuneable IP20

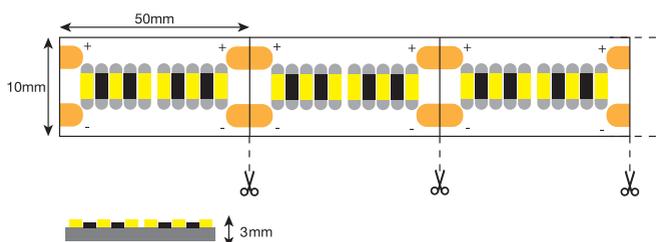
5m Roll

DIY-3527 →

VV/CW



Dimensions:



Compatible with:

24V 60W Transformer: Max run 3m (p. 58)

24V 90W Transformer: Max run 4.5m (p. 59)

24V 120W Transformer: Max run 6m (p. 60)

Tuneable Panel: Max run 12m 60W, 18m 90W or 24m 120W when used with the Controller Box or 5-in-1 Controller Box (p. 46)

Diode Size	3.5mm x 2.7mm
LEDs per metre	120
Voltage	24V DC
Energy (watts)	19.2 per/m
Width	10mm
Projection	3mm
Viewing Angle	120°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	Adjustable 1000-1500
Transformer 24V	Maximum run 6 meters
Cuttable	50mm increments

Scan to view documentation and resources:



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.

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

LED Strip Lights

24V COB 528



A flexible chip-on-board strip light to create innovative LED designs and configurations

- New flip chip-on-board (COB) flexible LED strip light
- Higher heat conductivity for better thermal management
- High density diodes for non-dotted lighting panel effect
- Very bright LEDs
- Plug & Play installation
- Cuttable in 11mm increments
- Self-adhesive peel and stick backing with 3M tape
- Low power consumption



BRIGHTNESS

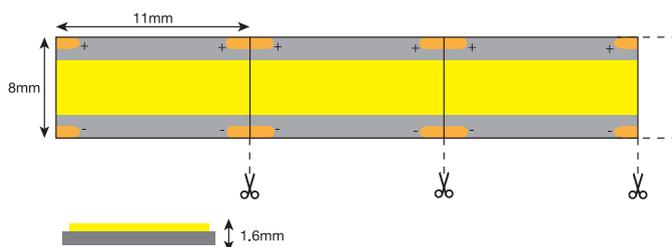
Technical and mounting details

24V COB 528 IP20

5m Roll



Dimensions:



Compatible with:

24V 60W Transformer: Max run 6m (p. 58)

24V 90W Transformer: Max run 9m (p. 59)

24V 120W Transformer: Max run 12m (p. 60)

Hand sensor: Max run 4.5m 60W only (p. 52)

Door sensor: Max run 4.5m 60W only (p. 51)

Double Door sensor: Max run 4.5m 60W only (p. 51)

PIR sensor: Max run 4.5m 60W only (p. 53)

Double PIR sensor: Max run 4.5m 60W only (p. 53)

Touch Dimmer: Max run 4.5m 60W only (p. 50)

Dimmer Controller: Max run 5m 60W, 8m 90W or 11m 120W (p. 49)

Dimmer Panel: Max run 22m 60W, 34m 90W or 46m 120W when used with the Controller Box or 5-in-1 Controller Box (p. 45)

Toggle Switch: Max run 6m 60W or 7m 90W only (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3000k)
DIY-COB528 →	DW	CW	WW

Diode Size	528
LEDs per metre	COB
Voltage	24V DC
Energy (watts)	10 per/m
Width	8mm
Projection	1.6mm
Viewing Angle	150°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	Daylight White - 1050 Cool White - 1100 Warm White - 1000
Transformer 24V	Maximum run 12 meters
Cuttable	11mm increments

Scan to view documentation and resources:



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.

LED Strip Lights

24V 2835 5mm



Narrow 5mm width in conjunction with 8mm Pluto profile is perfect for minimalist applications

- Very bright output
- Plug & Play installation
- Cutable in 50mm increments
- Self-adhesive peel and stick backing with 3M tape
- Low power consumption
- Long-life LED diodes
- Recommended for use with 8mm Pluto Profiles (p. 35)

Note: LED strips can be bent but not distorted



BRIGHTNESS

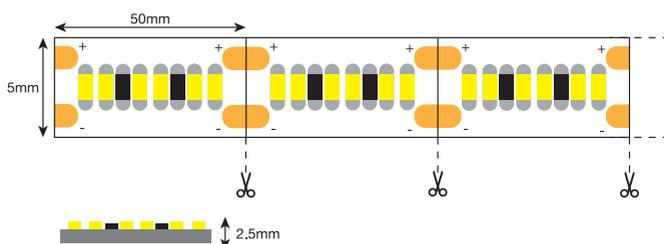
Technical and mounting details

24V 2835 5mm IP20

5m Roll



Dimensions:



Compatible with:

24V 60W Transformer: Max run 4m (p. 58)

24V 90W Transformer: Max run 6m (p. 59)

24V 120W Transformer: Max run 8m (p. 60)

Hand sensor: Max run 3m 60W only (p. 52)

Door sensor: Max run 3m 60W only (p. 51)

Double Door sensor: Max run 3m 60W only (p. 51)

PIR sensor: Max run 3m 60W only (p. 53)

Double PIR sensor: Max run 3m 60W only (p. 53)

Touch Dimmer: Max run 3m 60W only (p. 50)

Dimmer Controller: Max run 4m 60W, 6m 90W or 8m 120W (p. 49)

Dimmer Panel: Max run 16m 60W, 24m 90W or 32m 120W when used with the Controller Box or the 5-in-1 Controller Box (p. 45)

Toggle Switch: Max run 4m 60W or 5m 90W only (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3000k)
DIY-2835 →	DW	CW	WW

Diode Size	2.8mm x 3.5mm
LEDs per metre	120
Voltage	24V DC
Energy (watts)	14.4 per/m
Width	5mm
Projection	2.5mm
Viewing Angle	150°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	Daylight White - 1400 Cool White - 1500 Warm White - 1300
Transformer 24V	Maximum run 8 meters
Cutable	50mm increments

Scan to view documentation and resources:



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.

LED Strip Lights

24V 3014 Continuous



Use the 3014 strip light with an LED profile for a bright, steady glow without dots when used with a profile and opaque diffuser

- Provides a no dotting effect when used with an LED profile
- High brightness with continuous glow
- Plug & Play installation
- Cutable in 30mm increments
- Self-adhesive peel and stick backing with 3M tape
- Recommended to be used in conjunction with an LED profile which assists with heat dissipation & ensures longevity of the LED diodes



BRIGHTNESS

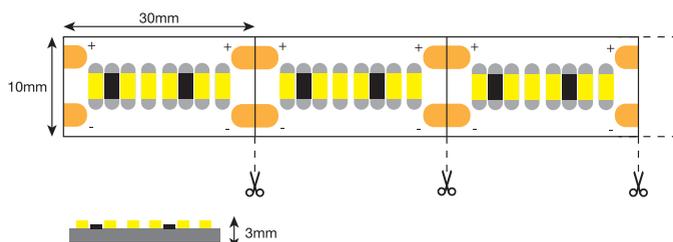
Technical and mounting details

24V 3014 Continuous IP20

5m Roll



Dimensions:



Compatible with:

- 24V 60W Transformer:** Max run 3.5m (p. 58)
- 24V 90W Transformer:** Max run 5m (p. 59)
- 24V 120W Transformer:** Max run 7m (p. 60)
- Hand sensor:** Max run 2.5m 60W only (p. 52)
- Door sensor:** Max run 2.5m 60W only (p. 51)
- Double Door sensor:** Max run 2.5m 60W only (p. 51)
- PIR sensor:** Max run 2.5m 60W only (p. 53)
- Double PIR sensor:** Max run 2.5m 60W only (p. 53)
- Touch Dimmer:** Max run 2.5m 60W only (p. 50)
- Dimmer Controller:** Max run 3m 60W, 5m 90W or 7m 120W (p. 49)
- Dimmer Panel:** Max run 12m 60W, 20m 90W or 28m 120W when used with the Controller Box or 5-in-1 Controller Box (p. 45)
- Toggle Switch:** Max run 3.5m 60W only (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3000k)
DIY-3014 →	DW	CW	WW

Diode Size	3.0mm x 1.4mm
LEDs per metre	204
Voltage	24V DC
Energy (watts)	16.3 per/m
Width	10mm
Projection	3mm
Viewing Angle	120°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	Daylight White - 1890 Cool White - 2040 Warm White - 1590
Transformer 24V	Maximum run 7 meters
Cutable	30mm increments

Scan to view documentation and resources:



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.

LED Strip Lights

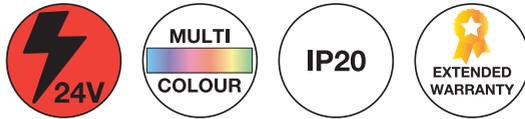
24V 5050 RGBW Colour



Ideal for decorative feature lighting, create dazzling effects with the adjustable colour spectrum

- Adjust colour and effects with 20 different mode settings
- Alternates between all LED colours, including Cool White
- Plug & Play installation
- Cuttable in 170mm increments
- Memory saves previous settings when powered back on
- Self-adhesive peel and stick backing
- Recommended for use with LED profiles

Note: Requires the RGBW Panel (p.47) or RGBW Controller (p.48) with Controller Box or 5-in-1 Controller Box



BRIGHTNESS

Technical and mounting details

24V 5050 RGBW Colour IP20

5m Roll

Item number

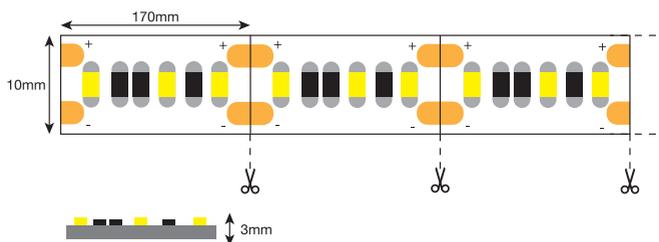
Variable

DIY-5050 →

RGBW



Dimensions:



Compatible with:

24V 60W Transformer: Max run 6m (p. 58)

24V 90W Transformer: Max run 9m (p. 59)

24V 120W Transformer: Max run 12m (p. 60)

RGBW Controller: Max run 5m 60W, 8m 90W or 11m 120W when used in conjunction with compatible RGBW controller box (p. 48)

RGBW Panel: Max run 20m 60W, 32m 90W or 40m 120W when used in conjunction with compatible RGBW controller box (p. 47)

Diode Size	5.0mm x 5.0mm
LEDs per metre	60
Voltage	24V DC
Energy (watts)	10 per/m
Width	10mm
Projection	3mm
Viewing Angle	120°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	700
Transformer 24V	Maximum run 12 meters
Cuttable	170mm increments

Scan to view documentation and resources:



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.

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

LED Strip Lights

12V 5050 Bright



An extra bright strip light for enhanced luminosity

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



BRIGHTNESS

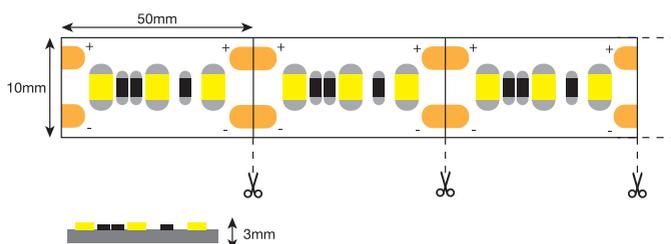
Technical and mounting details

12V 5050 Bright IP20

5m Roll



Dimensions:



Compatible with:

- 12V 25W Transformer:** Max run 1.5m (p. 55)
- 12V 60W Transformer:** Max run 4m (p. 56)
- Hand sensor:** Max run 1.5m 25W or 1.5m 60W (p. 52)
- Door sensor:** Max run 1.5m 25W or 1.5m 60W (p. 51)
- Double Door sensor:** Max run 1.5m 25W or 1.5m 60W (p. 51)
- PIR sensor:** Max run 1.5m 25W or 1.5m 60W (p. 53)
- Double PIR sensor:** Max run 1.5m 25W or 1.5m 60W (p. 53)
- Touch Dimmer:** Max run 1.5m 25W or 1.5m 60W (p. 50)
- Dimmer Controller:** Max run 1.5m 25W or 4m 60W (p. 49)
- Dimmer Panel:** Max run 6m 25W or 16m 60W when used with compatible Controller Box or 5-in-1 Controller Box (p. 45)
- Toggle Switch:** Max run 1.5m 25W or 4m 60W (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide see page 62

Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3000k)
DIY-5050	DW	CW	WW

Diode Size	5.0mm x 5.0mm
LEDs per metre	60
Voltage	12V DC
Energy (watts)	14.4 per/m
Width	10mm
Projection	3mm
Viewing Angle	120°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	Daylight White - 900 Cool White - 900 Warm White - 900
Transformer 12V	Maximum run 4 meters
Cuttable	50mm increments

Scan to view documentation and resources:



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.

LED Strip Lights

12V 3528 Standard IP65



A water resistant strip light suitable for bathroom and vanity applications

- 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



BRIGHTNESS

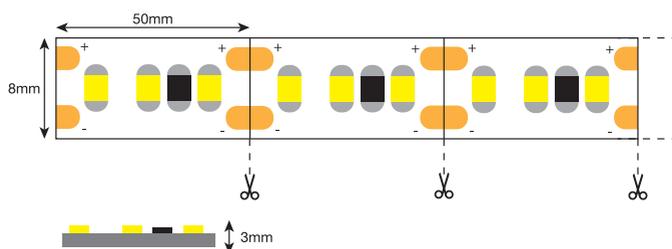
Technical and mounting details

12V 3528 Standard IP65

5m Roll



Dimensions:



Compatible with:

- 12V 25W Transformer:** Max run 5m (p. 55)
- 12V 60W Transformer:** Max run 10m (p. 56)
- Hand sensor:** Max run 3m 25W or 5m 60W (p. 52)
- Door sensor:** Max run 3m 25W or 5m 60W (p. 51)
- Double Door sensor:** Max run 3m 25W or 5m 60W (p. 51)
- PIR sensor:** Max run 3m 25W or 5m 60W (p. 53)
- Double PIR sensor:** Max run 3m 25W or 5m 60W (p. 53)
- Touch Dimmer:** Max run 3m 25W or 5m 60W (p. 50)
- Dimmer Controller:** Max run 5m 25W or 12m 60W (p. 49)
- Dimmer Panel:** Max run 5m 25W or 12m 60W (p. 45)
- Toggle Switch:** Max run 5m 25W or 12m 60W (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3000k)
DIY-3528-IP65 →	DW	CW	WW

Diode Size	3.5mm x 2.8mm
LEDs per metre	60
Voltage	12V DC
Energy (watts)	4.8 per/m
Width	8mm
Projection	3mm
Viewing Angle	120°
Waterproof Rating	IP65
Dimmable	Yes
Lumens (per/m)	Daylight White - 300 Cool White - 300 Warm White - 300
Transformer 12V	Maximum run 10 meters
Cuttable	50mm increments

Scan to view documentation and resources:



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.

LED Strip Lights

12V 3528 Standard



An everyday strip light ideal for standard under cabinetry applications.

- 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



BRIGHTNESS

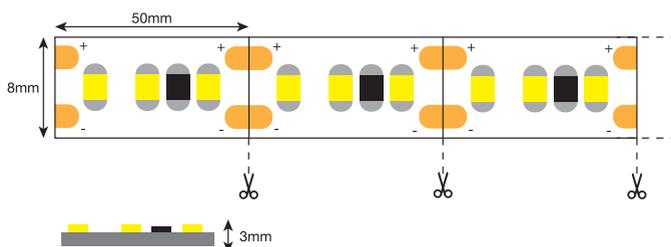
Technical and mounting details

12V 3528 Standard IP20

5m Roll



Dimensions:



Compatible with:

- 12V 25W Transformer:** Max run 5m (p. 55)
- 12V 60W Transformer:** Max run 10m (p. 56)
- Hand sensor:** Max run 3m 25W or 5m 60W (p. 52)
- Door sensor:** Max run 3m 25W or 5m 60W (p. 51)
- Double Door sensor:** Max run 3m 25W or 5m 60W (p. 51)
- PIR sensor:** Max run 3m 25W or 5m 60W (p. 53)
- Double PIR sensor:** Max run 3m 25W or 5m 60W (p. x53)
- Touch Dimmer:** Max run 3m 25W or 5m 60W (p. 50)
- Dimmer Controller:** Max run 5m 25W or 12m 60W (p.49)
- Dimmer Panel:** Max run 5m 25W or 12m 60W (p. 45)
- Toggle Switch:** Max run 5m 25W or 12m 60W (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62



Item number

DIY-3528 → DW CW WW BLUE RED GREEN AMBER

Diode Size	3.5mm x 2.8mm
LEDs per metre	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
Cuttable	Cuttable 50mm increments



Scan to view documentation and resources:



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.

LED Profiles





LED Profiles

Pendant Profile



Create unique lighting features with the pendant profile. Use the connectors to join profile lengths for intricate statement pieces

- Profile can be suspended from ceiling above island benchtops
- Available in three profile lengths and two finishes
- Select your length, 24V strip light option and profile finish for a complete pendant profile lighting fixture
- Supplied with opaque diffuser and suspension kit
- Aluminium profile provides heat sink for high powered LEDs

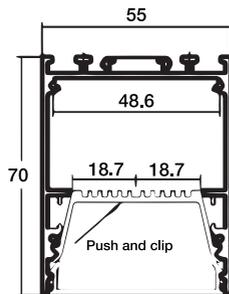


Technical and mounting details

Pendant Profile



Dimensions:



Scan to view documentation and resources:



Item number	Strip Light	Profile length (mm)	Profile Finish
PENDANT-600-RGBW-FS	RGBW 5050	600	Silver
PENDANT-1200-RGBW-FS	RGBW 5050	1200	Silver
PENDANT-1800-RGBW-FS	RGBW 5050	1800	Silver
PENDANT-600-RGBW-MB	RGBW 5050	600	Black
PENDANT-1200-RGBW-MB	RGBW 5050	1200	Black
PENDANT-1800-RGBW-MB	RGBW 5050	1800	Black
PENDANT-600-CW/WW-FS	3527 CW/WW	600	Silver
PENDANT-1200-CW/WW-FS	3527 CW/WW	1200	Silver
PENDANT-1800-CW/WW-FS	3527 CW/WW	1800	Silver
PENDANT-600-CW/WW-MB	3527 CW/WW	600	Black
PENDANT-1200-CW/WW-MB	3527 CW/WW	1200	Black
PENDANT-1800-CW/WW-MB	3527 CW/WW	1800	Black
PENDANT-600-COB528CW-FS	COB528-CW	600	Silver
PENDANT-1200-COB528CW-FS	COB528-CW	1200	Silver
PENDANT-1800-COB528CW-FS	COB528-CW	1800	Silver
PENDANT-600-COB528CW-MB	COB528-CW	600	Black
PENDANT-1200-COB528CW-MB	COB528-CW	1200	Black
PENDANT-1800-COB528CW-MB	COB528-CW	1800	Black
PENDANT-600-COB528WW-FS	COB528-WW	600	Silver
PENDANT-1200-COB528WW-FS	COB528-WW	1200	Silver
PENDANT-1800-COB528WW-FS	COB528-WW	1800	Silver
PENDANT-600-COB528WW-MB	COB528-WW	600	Black
PENDANT-1200-COB528WW-MB	COB528-WW	1200	Black
PENDANT-1800-COB528WW-MB	COB528-WW	1800	Black
PENDANT-600-COB528DW-FS	COB528-DW	600	Silver
PENDANT-1200-COB528DW-FS	COB528-DW	1200	Silver
PENDANT-1800-COB528DW-FS	COB528-DW	1800	Silver
PENDANT-600-COB528DW-MB	COB528-DW	600	Black
PENDANT-1200-COB528DW-MB	COB528-DW	1200	Black
PENDANT-1800-COB528DW-MB	COB528-DW	1800	Black

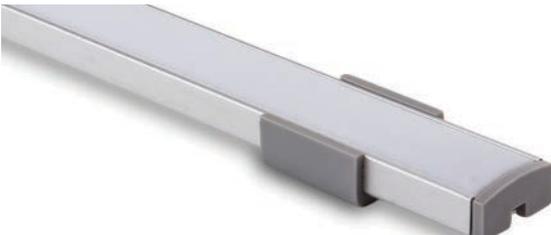
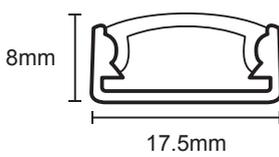
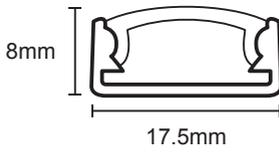
LED Profiles

Micro Profile



Create a streamlined finish with improved heat dissipation and a condensed profile for minimalist applications

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

Technical and mounting details		Item number	 Clear Diffuser (AUS only)	 Opaque Diffuser	 Tinted Diffuser (AUS only)
LED Micro Profile  Dimensions: 	2m Length	DIY-MICRO →	CL	OP	
	3m Length	DIY-MICRO →	CL-3M	OP-3M	TI-3M
LED Micro Profile Matt Black  Dimensions: 	2m Length	DIY-MICRO →	CL-MB	OP-MB	
	3m Length	DIY-MICRO →	CL-MB-3M	OP-MB-3M	TI-MB-3M

Scan to view documentation and resources:



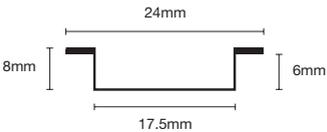
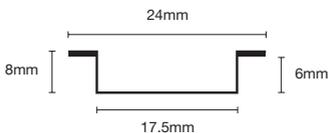
LED Profiles

Slimline Profile



Create a streamlined finish with improved heat dissipation and a shallow 8mm height

- Recess mount installation
- Supplied with an opaque, tinted or clear diffuser
- Profile can be screwed or glued into rebate
- Recess depth 7.5mm

Technical and mounting details		Item number	 Clear Diffuser (AUS only)	 Opaque Diffuser	 Tinted Diffuser (AUS only)
LED Slimline Profile 	2m Length	DIY-SLIM →	CL	OP	
	3m Length	DIY-SLIM →	CL-3M	OP-3M	TI-3M
Dimensions: 					
LED Slimline Profile Matt Black 	2m Length	DIY-SLIM →	CL-MB	OP-MB	
	3m Length	DIY-SLIM →	CL-MB-3M	CL-MB-3M	TI-MB-3M
Dimensions: 					
		Scan to view documentation and resources: 			

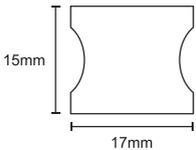
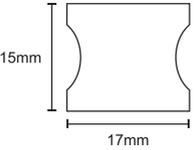
LED Profiles

Square Fusion Profile



Create a streamlined finish with improved heat dissipation

- Surface or recess mount installation
- Supplied with an opaque, tinted or clear diffuser
- Profile can be glued, screwed or clipped on using mounting clips supplied
- Recess depth 15.5mm
- Recommended for applications sandwiched between two 16mm boards, without need for recessing

Technical and mounting details		Item number	 Clear Diffuser (AUS only)	 Opaque Diffuser	 Tinted Diffuser (AUS only)
LED Square Fusion Profile 	2m Length	DIY-SQ →	CL	OP	
	3m Length	DIY-SQ →	CL-3M	OP-3M	TI-3M
Dimensions: 					
LED Square Fusion Profile Matt Black 	2m Length	DIY-SQ →	CL-MB	OP-MB	
	3m Length	DIY-SQ →	CL-MB-3M	OP-MB-3M	TI-MB-3M
Dimensions: 					
		Scan to view documentation and resources: 			

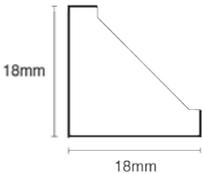
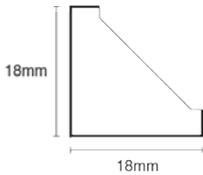
LED Profiles

Corner Profile



Create a streamlined finish with improved heat dissipation in corner applications

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

Technical and mounting details		Item number	 Clear Diffuser (AUS only)	 Opaque Diffuser	 Tinted Diffuser (on request)
LED Corner Profile  Dimensions: 	2m Length	DIY-CORNER →	CL	OP	
	3m Length	DIY-CORNER →	CL-3M	OP-3M	TI-3M
LED Corner Profile Matt Black  Dimensions: 	2m Length	DIY-CORNER →	CL-MB	OP-MB	
	3m Length	DIY-CORNER →	CL-MB-3M	OP-MB-3M	TI-MB-3M

Scan to view documentation and resources:



LED Profiles

8mm Pluto Profile



For direct light applications, the built-in LED diffuser helps smooth out the light and reduce hot spots

- For use with 2835 5mm LED strip lights only (p. 22)
- Supplied with opaque diffuser
- Lightweight and ultra slim plastic channel features a sleek, one-piece integrated design cuttable to any length



Opaque Diffuser

Technical and mounting details

Item number

OP

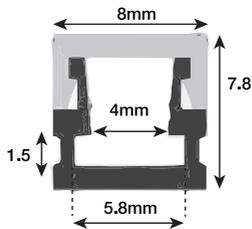
8mm Pluto Profile

2m Length

DIY-PLUTO →



Dimensions:



Scan to view documentation and resources:



Why Your Diffuser Matters



Clear Diffuser

- Maximum brightness
- Visible diodes
- Transparent

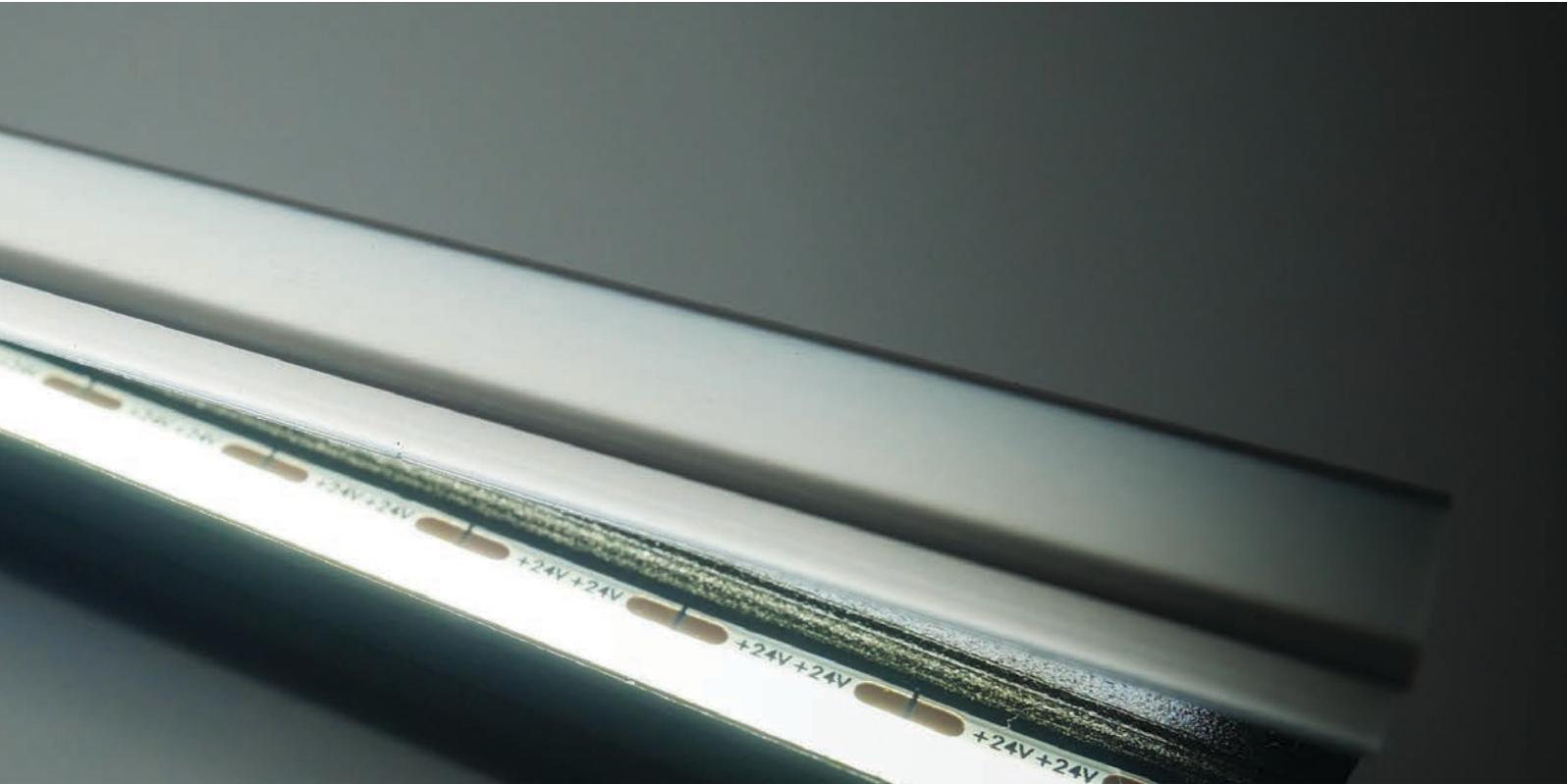
Opaque Diffuser

- Gentle glow
- Uniform light distribution
- Non-dotted with certain strip light options

Tinted Diffuser

- Opaque black tint
- Best suited for darker kitchens and aesthetics

*Clear and tinted diffusers not available in NZ.



Longevity

- When used with an LED profile, diffusers help to extend the longevity of your LED diodes

Ambience

- Choosing the right diffuser for your needs can drastically alter the look and feel of your space

Safety

- When used with an LED Profile, diffusers work to protect your LED diodes from dust and ingress, as well as assist with heat dissipation

LED Downlights





LED Downlights

24V Imperia



A stunning bright downlight which features a single internal LED cob chip. Recess or surface mount underneath or inside cabinetry to brightly illuminate a space.

- Plug & Play installation
- Generous 2m lead
- Optional surface mount bracket
- Lifetime of 30,000 hours
- Dimmable



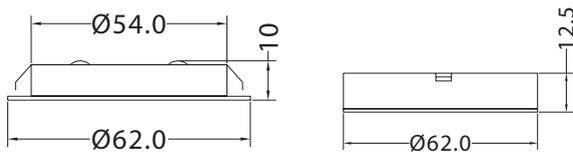
BRIGHTNESS

Technical and mounting details

24V Imperia Downlight



Dimensions:



Recess mounted

Surface mounted

Compatible with:

24V 60W Transformer: Max run 6 lights (p. 58)

24V 90W Transformer: Max run 6 lights (p. 59)

24V 120W Transformer: Max run 6 lights (p. 60)

Hand sensor: Max run 6 lights (p. 52)

Door sensor: Max run 6 lights (p. 51)

Double Door sensor: Max run 6 lights (p. 51)

PIR sensor: Max run 6 lights (p. 53)

Double PIR sensor: Max run 6 lights (p. 53)

Touch Dimmer: Max run 6 lights (p. 50)

Dimmer Controller: Max run 6 lights (p. 49)

Dimmer Panel: Max run up to 24 lights using 4x transformers and 4x control units (p. 45)

Toggle Switch: Max run 6 lights (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3000k)	Matt Black Finish	Brushed Nickel Finish	Silver Finish
612.8D20 →	003 →	001 →	002 →	007	004	003
612.8D20 →	003 →	001 →	002 →	007	004	003
612.8D20 →	003 →	001 →	002 →	007	004	003
Bracket 612.8D20.000 →				007	004	
Bracket IMPERIA →						BRACKET

Eg. 612.8D20.003.007 for Daylight White and Matt Black finish

Finish	Silver, Matt Black or Brushed Nickel
LEDs per metre	1x COB
Voltage	24V DC
Energy (watts)	3 per/m
Width	5mm
Projection	10mm
Beam Angle	120°
Dimmable	Yes
Hole cut-out size	54mm
Transformer 24V	Maximum run 6 lights

Scan to view documentation and resources:



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.

LED Downlights

12V Imperia



A stunning bright downlight which features a single internal LED cob chip. Recess or surface mount underneath or inside cabinetry to brightly illuminate a space.

- Plug & Play installation
- Generous 2m lead
- Optional surface mount bracket
- Lifetime of 30,000 hours
- Dimmable



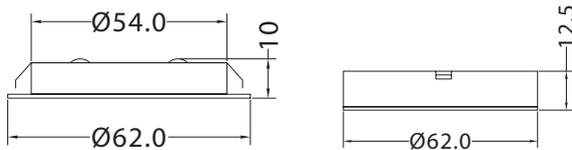
BRIGHTNESS

Technical and mounting details

12V Imperia Downlight



Dimensions:



Recess mounted

Surface mounted

Compatible with:

12V 25W Transformer: Max run 6 lights (p. 55)

12V 60W Transformer: Max run 6 lights (p. 56)

Hand sensor: Max run 6 lights (p. 52)

Door sensor: Max run 6 lights (p. 51)

Double Door sensor: Max run 6 lights (p. 51)

PIR sensor: Max run 6 lights (p. 53)

Double PIR sensor: Max run 6 lights (p. 53)

Touch Dimmer: Max run 6 lights (p. 50)

Dimmer Controller: Max run 6 lights (p. 49)

Dimmer Panel: Max run up to 24 lights using 4x transformers and 4x control units (p. 45)

Toggle Switch: Max run 6 lights (p. 54)

* If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3000k)
IMPERIA →	DW	CW	WW
IMPERIA-BRACKET	Surface mount bracket		

Finish	Silver
LEDs per metre	1x COB
Voltage	12V DC
Energy (watts)	3.2 per/m
Width	5mm
Projection	10mm
Beam Angle	120°
Dimmable	Yes
Hole cut-out size	54mm
Transformer 12V	Maximum run 6 lights

Scan to view documentation and resources:



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.

Accessories & Transformers





LED Sensors & Panels

5-in-1 Controller Box

Compatible with Google Assistant and Amazon Alexa voice control

- Smart home connectivity enabled
- 2.4G wireless connectivity
- Control distance up to 30m
- Works with RGBW and colour tuneable strip lights and corresponding remote panels
- Compatible with all 12V and 24V strip lights, remote panels and downlights
- 5-in-1 compatibility can replace standard controller box



Technical and mounting details

5-in-1 Controller Box



Dimensions



Compatible with:



* Requires additional transformers and controller boxes to reach max run indicated.

If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number

612.8S07.101.004

Description

Controller box

Input Voltage

DC 12V/24V

Total Output

Max 15A

Dimensions

Length 125mm

Width 33mm

Height 20mm

Functions

Dimmer Control

RGBW Control

Dual Tone Tuneable Control

Google Home Voice Activation

Amazon Alexa Voice Activation

Scan to view documentation and resources:



LED Sensors & Panels

Dimmer Panel

Wall mount or use as a hand-held device to control the intensity of single-colour strip lights and downlights

- Plug & Play installation
- 4-way multi-channel with 5-in-1 compatibility
- Brightness dimmer
- 60sec switch off delay
- Sensitive touch and scratch resistant
- 2.4G wireless connectivity
- 30m distance control
- Battery operated (2x AAA)
- Compatible with all single colour 12V and 24V strip lights and downlights

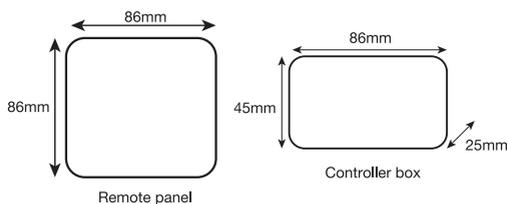


Technical and mounting details

Dimmer Remote Panel



Dimensions



Compatible with (by transformer):

- 12V 3528 IP20:** Max run 5m 25W or 12m 60W (p. 27)
- 12V 3528 IP65:** Max run 5m 25W or 12m 60W (p. 26)
- 12V 5050 Extra Bright:** Max run 6m 25W or 16m 60W (p. 25)*
- 24V 3014 IP20:** Max run 12m 60W, 20m 90W or 28m 120W (p. 23)*
- 24V 2835 5mm:** Max run 16m 60W, 24m 90W or 32m 120W (p. 22)*
- 24V COB 528 8mm:** Max run 22m 60W, 34m 90W or 46m 120W (p. 21)*
- 12V Imperia Downlights:** Max run up to 24 lights (p. 41)*
- 24V Imperia Downlights:** Max run up to 24 lights (p. 40)*

* Requires additional transformers and controller boxes to reach max run indicated.

If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

Item number	Description
612.8S07.100.001	Remote panel
612.8S07.101.001	Controller box

Scan to view documentation and resources:



LED Sensors & Panels

Tuneable Remote Panel

Wall mount or use as a hand-held device to control the colour temperature of the 3527 tuneable strip light

- Colour temperature control
- 4-way multi-channel with 5-in-1 compatibility
- Brightness dimmer
- 60sec switch off delay
- Sensitive touch and scratch resistant
- 2.4G wireless connectivity
- 30m distance control
- Battery operated (2x AAA)
- Compatible with 24V 3527-WW/CW strip lights (p. 20)



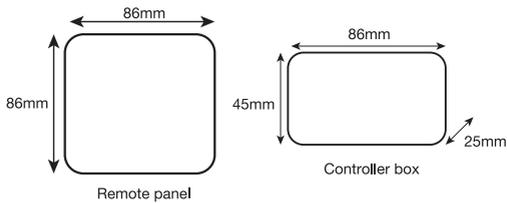
Technical and mounting details

Item number	Description
612.8S07.100.002	Remote panel
612.8S07.101.002	Controller box

Colour Tuneable Remote Panel



Dimensions



Compatible with (by transformer):

24V 3527 Tuneable: Max run 24m 60W, 18m 90W or 24m 120W (p. 20) when shared across four channels and controller boxes

Scan to view documentation and resources:



LED Sensors & Panels

RGBW Remote Panel

Wall mount or use as a hand-held device to control the colour changes for the 24V 5050 RGBW strip light

- Colour spectrum control with white channel
- 4-way multi-channel with 9 colour changing modes
- Brightness dimmer
- 60sec switch off delay
- Sensitive touch and scratch resistant
- 2.4G wireless connectivity
- 30m distance control
- Battery operated (2x AAA)
- Compatible with 24V 5050 RGBW strip lights (p. 24)

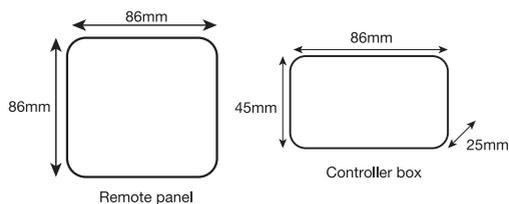


Technical and mounting details

RGBW Remote Panel



Dimensions



Compatible with (by transformer):

24V 5050 RGBW: Max run 40m 60W, 32m 90W or 40m 120W (p. 24) when shared across four channels and controller boxes

Item number	Description
612.8S07.100.003	Remote panel
612.8S07.101.003	Controller box

Scan to view documentation and resources:



LED Sensors & Panels

RGBW Controller

Wall mount or use as a hand-held device to control the colour changes for the 24V 5050 RGBW strip light

- Colour spectrum control with white channel
- 24V with max load 144 watts
- Brightness dimmer
- Includes remote, batteries and wall mount bracket
- 30m distance control
- Battery operated (2x AAA)
- Compatible with 24V 5050-RGBW strip lights (p. 24)



Technical and mounting details

Item number	Description
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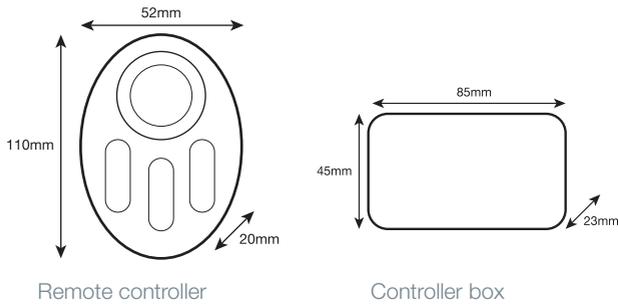
RGBW Controller

RGBW-CCU

Remote controller



Dimensions



Compatible with (by transformer):

24V 5050 RGBW: Max run 5m 60W, 8m 90W or 11m 120W (p. 24)

Scan to view documentation and resources:



LED Sensors & Panels

Dimmer Remote

Wall mount or use as a hand-held device to control the intensity of single-colour strip lights and downlights

- Plug & Play installation
- On/Off switch function
- Brightness dimmer
- 12V max load 60 watts and 24V max load 120 watts
- Includes remote, batteries and wall mount bracket
- 2.4G wireless connectivity
- 30m distance control
- Battery operated (2x AAA)
- Compatible with all single colour 12V and 24V strip lights and downlights



Technical and mounting details

Item number

Description

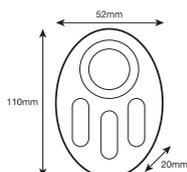
Dimmer Remote

LED-DIM

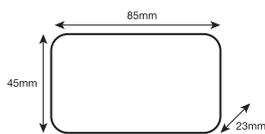
Dimmer controller



Dimensions



Remote controller



Controller box

Compatible with (by transformer):

12V 3528 IP20: Max run 5m 25W or 12m 60W (p. 27)

12V 3528 IP65: Max run 5m 25W or 12m 60W (p. 26)

12V 5050 Extra Bright: Max run 1.5m 25W or 4m 60W (p. 25)

24V 3014 IP20: Max run 3m 60W, 5m 90W or 7m 120W (p. 23)

24V 2835 5mm: Max run 4m 60W, 6m 90W or 8m 120W (p. 22)

24V COB 528 8mm: Max run 5m 60W, 8m 90W or 11m 120W (p. 21)

12V Imperia Downlights: Max run up to 6 lights (p. 41)

24V Imperia Downlights: Max run up to 6 lights (p. 40)

Scan to view documentation and resources:



*If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

LED Sensors & Panels

Touch Dimmer

Touch control add-on for dimming single colour strip lights and Imperia downlights

- Plug & Play installation
- On/Off switch function
- Brightness dimmer
- 12V max load 24 watts and 24V max load 48 watts
- Activated by touch
- Silver finish
- Surface or recess mount
- Compatible with all single colour 12V and 24V strip lights and downlights



Technical and mounting details

Item number

Description

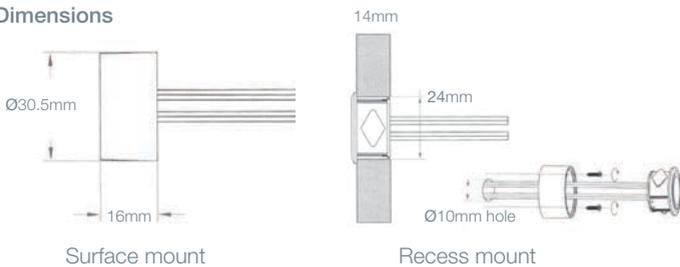
Touch Dimmer

SS-DIM-K

Dimmer controller



Dimensions



Compatible with (by transformer):

12V 3528 IP20: Max run 3m 25W or 5m 60W (p. 27)

12V 3528 IP65: Max run 3m 25W or 5m 60W (p. 26)

12V 5050 Extra Bright: Max run 1.5m 25W or 1.5m 60W (p. 25)

24V 3014 IP20: Max run 2.5m 60W only (p. 23)

24V 2835 5mm: Max run 3m 60W only (p. 22)

24V COB 528 8mm: Max run 4.5m 60W only (p. 21)

12V Imperia Downlights: Max run up to 6 lights (p. 41)

24V Imperia Downlights: Max run up to 6 lights (p. 40)

Scan to view documentation and resources:



DIY

*If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

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.

LED Sensors & Panels

Door Sensor

Add energy efficient convenience to your lighting with a door sensor to automatically activate lights when doors are opened

- Plug & Play installation
- Open and close door to activate and deactivate
- 12V max load 24 watts and 24V max load 48 watts
- 100mm approx. detection area
- Surface mounted 5mm back
- White finish
- Compatible with all single colour 12V and 24V strip lights and downlights

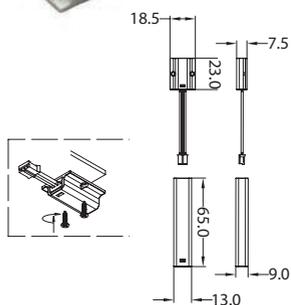


Technical and mounting details

Door Sensor



Dimensions



Compatible with (by transformer):

- 12V 3528 IP20:** Max run 5m 25W or 12m 60W (p. 27)
- 12V 3528 IP65:** Max run 5m 25W or 12m 60W (p. 26)
- 12V 5050 Extra Bright:** Max run 1.5m 25W or 4m 60W (p. 25)
- 24V 3014 IP20:** Max run 3m 60W, 5m 90W or 7m 120W (p. 23)
- 24V 2835 5mm:** Max run 4m 60W, 6m 90W or 8m 120W (p. 22)
- 24V COB 528 8mm:** Max run 5m 60W, 8m 90W or 11m 120W (p. 21)
- 12V Imperia Downlights:** Max run up to 6 lights (p. 41)
- 24V Imperia Downlights:** Max run up to 6 lights (p. 40)

Item number

Description

SS-D-SINGLE-K

Single door sensor with 6-way junction box

SS-D-DOUBLE-K

Double door sensor with 6-way junction box

Scan to view documentation and resources:



DIY

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.

*If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

LED Sensors & Panels

Hand Sensor

Add energy efficient convenience to your lighting with a hand sensor to activate lights with a wave of your hand

- Plug & Play installation
- Wave hand within detection area to activate and deactivate
- 12V max load 24 watts and 24V max load 48 watts
- 100mm approx. detection area
- Surface or recess mounted
- Recess depth 14mm
- White finish
- Compatible with all single colour 12V and 24V strip lights and downlights



Technical and mounting details

Item number

Description

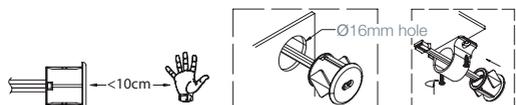
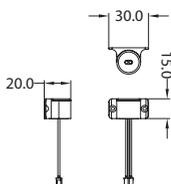
Hand Sensor

SS-H-K

Hand sensor with 6-way junction box



Dimensions



Compatible with (by transformer):

12V 3528 IP20: Max run 5m 25W or 12m 60W (p. 27)

12V 3528 IP65: Max run 5m 25W or 12m 60W (p. 26)

12V 5050 Extra Bright: Max run 1.5m 25W or 4m 60W (p. 25)

24V 3014 IP20: Max run 3m 60W, 5m 90W or 7m 120W (p. 23)

24V 2835 5mm: Max run 4m 60W, 6m 90W or 8m 120W (p. 22)

24V COB 528 8mm: Max run 5m 60W, 8m 90W or 11m 120W (p. 21)

12V Imperia Downlights: Max run up to 6 lights (p. 41)

24V Imperia Downlights: Max run up to 6 lights (p. 40)

Scan to view documentation and resources:



DIY

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.

*If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

LED Sensors & Panels

PIR Sensor

Add energy efficient convenience to your lighting with a PIR sensor to automatically activate lights when you enter the detection area

- Plug & Play installation
- Move in and out of detection area to activate and deactivate
- 12V max load 24 watts and 24V max load 48 watts
- 1m approx. detection area
- Surface or recess mounted
- Recess depth 11mm
- White finish
- Automatic switch off after 45 seconds
- Compatible with all single colour 12V and 24V strip lights and downlights



Technical and mounting details

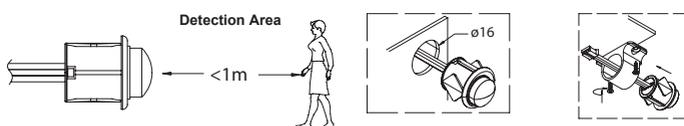
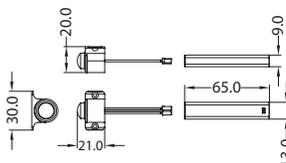
Item number	Description
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PIR Sensor

SS-PIR-SINGLE-K	Single PIR sensor with 6-way junction box
SS-PIR-DOUBLE-K	Double PIR sensor with 6-way junction box



Dimensions



Compatible with (by transformer):

- 12V 3528 IP20:** Max run 5m 25W or 12m 60W (p. 27)
- 12V 3528 IP65:** Max run 5m 25W or 12m 60W (p. 26)
- 12V 5050 Extra Bright:** Max run 1.5m 25W or 4m 60W (p. 25)
- 24V 3014 IP20:** Max run 3m 60W, 5m 90W or 7m 120W (p. 23)
- 24V 2835 5mm:** Max run 4m 60W, 6m 90W or 8m 120W (p. 22)
- 24V COB 528 8mm:** Max run 5m 60W, 8m 90W or 11m 120W (p. 21)
- 12V Imperia Downlights:** Max run up to 6 lights (p. 41)
- 24V Imperia Downlights:** Max run up to 6 lights (p. 40)

Scan to view documentation and resources:



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.

*If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

LED Sensors & Panels

Toggle Switch

Add-on toggle switch for use with single colour 12V and 24V strip lights and Imperia downlights

- Plug & Play installation
- Toggle switch to turn light on or off
- 12V max load 72 watts and 24V max load 144 watts
- Recess mounting
- Recess depth 20mm
- Black finish
- Compatible with all single colour 12V and 24V strip lights



Technical and mounting details

Item number

Description

Toggle Switch

SS-TOGGLE-K

Single switch with 6-way junction box



Compatible with (by transformer):

12V 3528 IP20: Max run 5m 25W or 12m 60W (p. 27)

12V 3528 IP65: Max run 5m 25W or 12m 60W (p. 26)

12V 5050 Extra Bright: Max run 1.5m 25W or 4m 60W (p. 25)

24V 3014 IP20: Max run 3m 60W, 5m 90W or 7m 120W (p. 23)

24V 2835 5mm: Max run 4m 60W, 6m 90W or 8m 120W (p. 22)

24V COB 528 8mm: Max run 5m 60W, 8m 90W or 11m 120W (p. 21)

12V Imperia Downlights: Max run up to 6 lights (p. 41)

24V Imperia Downlights: Max run up to 6 lights (p. 40)

Scan to view documentation and resources:



DIY

**If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62*

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.

LED Sensors & Panels

12V-25W Transformer

Power your lighting safely and efficiently.
Compatible with 12V lighting products

- Plug & Play installation
- 1.5m input power cord
- Short-circuit, overload, over-voltage, over-heat protections



Technical and mounting details

Item number

Description

12V-25W Transformer

TF-25-12K

Transformer with 6-way junction box



AC Input Voltage	100-240VAC 50-60Hz, 1.0A Max
DC Output	12V DC 2.08A Constant Voltage
Output Watts Max	25 Watts
Dimensions	Length 98mm Width 46mm Height 31mm

Compatible with:

12V 3528 IP20: Max run 5m 25W (p. 27)

12V 3528 IP65: Max run 5m 25W (p. 26)

12V 5050 Extra Bright: Max run 1.5m 25W (p. 25)

12V Imperia Downlights: Max run up to 6 lights (p. 41)

Scan to view
documentation and
resources:



DIY

**If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62*

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.

LED Sensors & Panels

12V-60W Transformer

Power your lighting safely and efficiently.
Compatible with 12V lighting products

- Plug & Play installation
- 1.5m input power cord
- Short-circuit, overload, over-voltage, over-heat protections



Technical and mounting details

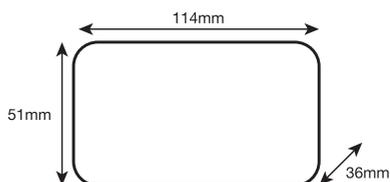
Item number

Description

12V-60W Transformer

TF-60-12K

Transformer with 6-way junction box



Compatible with:

12V 3528 IP20: Max run 10m 60W (p. 27)

12V 3528 IP65: Max run 10m 60W (p. 26)

12V 5050 Extra Bright: Max run 4m 60W (p. 25)

12V Imperia Downlights: Max run up to 6 lights (p. 41)

AC Input Voltage	100-240VAC 50-60Hz, 1.5A Max
DC Output	12V DC 5.0A Constant Voltage
Output Watts Max	60 Watts
Dimensions	Length 114mm
	Width 51mm
	Height 36mm

Scan to view documentation and resources:



DIY

**If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62*

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.

LED Sensors & Panels

12V-90W Transformer

Power your lighting safely and efficiently.
Compatible with 12V lighting products

- Plug & Play installation
- 1.5m input power cord
- Short-circuit, overload, over-voltage, over-heat protections



Technical and mounting details

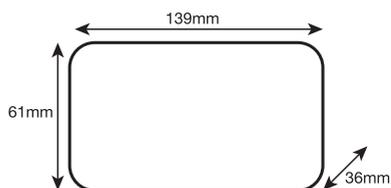
Item number

Description

12V-90W Transformer

TF-90-12K

Transformer with 6-way junction box



Compatible with:

12V 3528 IP20: Max run 15m 90W (p. 27)

12V 3528 IP65: Max run 15m 90W (p. 26)

12V 5050 Extra Bright: Max run 6m 90W (p. 25)

12V Imperia Downlights: Max run up to 6 lights (p. 41)

AC Input Voltage	100-240VAC 50-60Hz, 1.3A Max
DC Output	12V DC 6.67A Constant Voltage
Output Watts Max	80 Watts
Dimensions	Length 139mm Width 61mm Height 36mm

Scan to view documentation and resources:



DIY

**If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62*

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.

LED Sensors & Panels

24V-60W Transformer

Power your lighting safely and efficiently.
Compatible with 24V lighting products

- Plug & Play installation
- 1.5m input power cord
- Short-circuit, overload, over-voltage, over-heat protections



Technical and mounting details

Item number

Description

24V-60W Transformer

TF-60-24K

Transformer with 6-way junction box



Compatible with:

- 24V 3014 IP20:** Max run 3.5m 60W (p. 23)
- 24V 2835 5mm:** Max run 4m 60W (p. 22)
- 24V COB 528 8mm:** Max run 6m 60W (p. 21)
- 24V 3527 Tuneable:** Max run 3m 60W (p. 20)
- 24V 5050 RGBW:** Max run 6m 60W (p. 24)
- 24V Imperia Downlights:** Max run up to 6 lights (p. 40)

AC Input Voltage	110-240VAC 50-60Hz, 1.4A Max
DC Output	24V DC 2.50A Constant Voltage
Output Watts Max	60 Watts
Dimensions	Length 114mm
	Width 51mm
	Height 36mm

Scan to view documentation and resources:



DIY

**If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62*

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.

LED Sensors & Panels

24V-90W Transformer

Power your lighting safely and efficiently.
Compatible with 24V lighting products

- Plug & Play installation
- 1.5m input power cord
- Short-circuit, overload, over-voltage, over-heat protections



Technical and mounting details

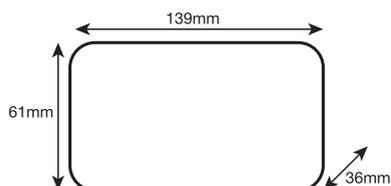
Item number

Description

24V-90W Transformer

TF-90-24K

Transformer with 6-way junction box



Compatible with:

24V 3014 IP20: Max run 5m 90W (p. 23)

24V 2835 5mm: Max run 6m 90W (p. 22)

24V COB 528 8mm: Max run 9m 90W (p. 21)

24V 3527 Tuneable: Max run 4.5m 90W (p. 20)

24V 5050 RGBW: Max run 9m 90W (p. 24)

24V Imperia Downlights: Max run up to 6 lights (p. 40)

AC Input Voltage	110-240VAC 50-60Hz, 1.4A Max
DC Output	24V DC 3.75A Constant Voltage
Output Watts Max	90 Watts
Dimensions	Length 139mm Width 61mm Height 36mm

Scan to view documentation and resources:



DIY

*If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

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.

LED Sensors & Panels

24V-120W Transformer

A high capacity transformer to power your lighting safely and efficiently. Compatible with 24V lighting products

- Plug & Play installation
- 1.5m input power cord
- Short-circuit, overload, over-voltage, over-heat protections



Technical and mounting details

24V-120W Transformer



Compatible with:

24V 3014 IP20: Max run 7m 120W (p. 23)

24V 2835 5mm: Max run 8m 120W (p. 22)

24V COB 528 8mm: Max run 12m 120W (p. 21)

24V 3527 Tuneable: Max run 6m 120W (p. 20)

24V 5050 RGBW: Max run 12m 120W (p. 24)

Item number

TF-120-24K

Description

Transformer with 6-way junction box

AC Input Voltage	86VAC~264VAC/ 47Hz~63Hz/ 0.5A Max
DC Output	24V DC/ 5A
Output Watts Max	120 Watts
Dimensions	Length 171mm Width 72mm Height 43mm

Scan to view documentation and resources:



DIY

*If using the strip light in conjunction with a sensor or controller refer to capacity guide → see page 62

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.

LED Sensors & Panels

DIY Accessories

- Plug & Play installation
- Compatible with the 12V 3528 IP20 and IP65 strip light options
- DIY connectors are not recommended for use with LED profiles
- DIY extension cables can be used with LED Imperia Downlights and all strip lights

Technical and mounting details		Item number	Description
DIY Connector 		DIY-CONNECT	16mm (L) x 12mm (W) strip light connector
		Only compatible with 3528 strip light options (p. 26-27)	
DIY Tail 		DIY-TAIL-V2	2m soldered tail
		Only compatible with 3528 strip light options (p.26-27)	
DIY Corner Connector 		DIY-CORNER	40mm wire between two connectors
		Only compatible with 3528 strip light options (p.26-27)	
2m Extension Cable 		EXT-V2	2m extension cable
		 DIY 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.	

LED Sensors & Panels

Capacity Guide

Capacity Matrix

Lighting Option	Voltage	Watts per metre	Transformer	Sensors or Touch Dimmer	Dimmer Controller	Dimmer Panel*	Toggle Switch	RGBW Controller	RGBW Panel	Tuneable Panel	
3528 12V IP20	12V	4.8	12V-25W	3m	5m	5m	5m				
			12V-60W	5m	10m	10m	10m				
			12V-90W	5m	15m	15m	15m				
3528 12V IP65	12V	4.8	12V-25W	3m	5m	5m	5m				
			12V-60W	5m	12m	12m	12m				
			12V-90W	5m	15m	15m	15m				
5050 12V	12V	14.4	12V-25W	1.5m	1.5m	6m	1.5m				
			12V-60W	1.5m	4m	16m	4m				
			12V-90W	N/A	6m	6m	6m				
3014 24V	24V	16.3	24V-60W	2.5	3m	12m	3m				
			24V-90W		5m	20m					
			24V-120W		7m	28m					
2835 24V	24V	14.4	24V-60W	3m	4m	16m	4m				
			24V-90W		6m	24m	5m				
			24V-120W		8m	32m					
COB 528 24V	24V	10	24V-60W	4.5m	5.5m	22m	6m				
			24V-90W		8.5m	34m	7m				
			24V-120W		11.5m	46m					
3527 24V	24V	19.2	24V-60W							12m	
			24V-90W								18m
			24V-120W								24m
RGBW 24V	24V	10	24V-60W					5m	20m		
			24V-90W					8m	32m		
			24V-120W					11m	40m		
Imperia 12V	12V	3.2	12V-25W	6 Lights	6 Lights	24 Lights	6 Lights				
			12V-60W	6 Lights	6 Lights	24 Lights	6 Lights				
			12V-90W	6 Lights	6 Lights	24 Lights	6 Lights				
Imperia 24V	24V	3	24V-60W	6 Lights	6 Lights	24 Lights	6 Lights				
			24V-90W	6 Lights	6 Lights	24 Lights	6 Lights				
			24V-120W								

*Dimmer panel capacities shown are available when using 4x transformers and 4x control boxes

Wireless Lighting & Connectivity



Wireless Lighting

Lithium Battery Lighting



Wireless lighting powered by a rechargeable lithium battery - the Luna Light is perfect for - but not limited to - wardrobes, storage and retro-fitting hard to reach cabinetry

- Brightness intuitively adjusts to suit environment
- Motion and night sensor detects movement and ambient light for energy-efficient activation, plus touch controls
- Automatic switch-off after 15 seconds without movement detected
- Magnetic backing for easy installation
- Detachable, rechargeable lithium battery with easy magnetic connection
- Wireless installation - no electrician required



Technical and mounting details



Item number

Cool white (5000k)

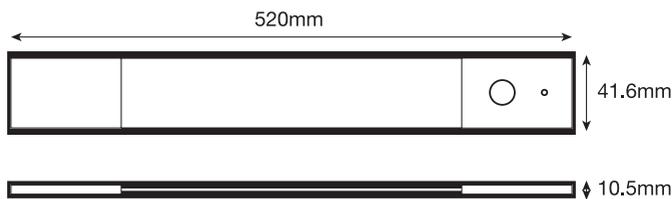
612.8L07.152 →

501

Luna Lithium Light



Dimensions:



Finish	Silver
Power Source	Detachable lithium battery
Rechargeable	Via micro USB cable
Energy (watts)	2W
Sensor	Motion and light
Detection Area	<2m / 120°
Viewing Angle	120°
Dimmable	Yes
Wireless	Yes
Touch Control	Yes
Installation	Magnetic strip with 3M tape
Material	Aluminium and polycarbonate
Width	41.6mm

Scan to view documentation and resources:



Connectivity

Built-in Wireless Charger

Wireless charging station for USB-A and USB-C devices ideal for offices, hotels, hospitality fitouts, airports and train stations

- Smart and convenient wireless charging
- Water resistance and pressure resistance
- Easy assembly
- Output: 15W
- 1 x USB-A & 1 x USB-C
- Includes adapter & 1.5m power cord
- Material: ABS and Polished Chrome

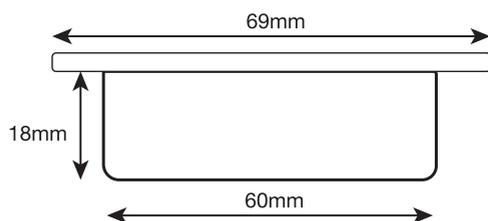


Technical and mounting details

Item number

Built-in Wireless Charger

CONNECT-1



Input Voltage	USB DC 5V/12A 9V/2A
Wireless Output Compatibility	5W / 7.5W / 10W / 15W
USB Output	USB-A 5V / 2.4A USB-C 5V / 3A USB-A + USB-C 5V / 3A
Standard Energy Consumption	< 10mA
Wireless range	110K - 205K Hz
Transfer Efficiency	72% max
Charger Proximity	Within 6mm
Weight	50g
Hole cut-out	60mm

Warranty Information

Our lighting products include a 12 month warranty as standard, with the option to extend.

To extend your warranty up to five years, simply complete the provided warranty card and upload the information to the website on the card. Make sure to also keep a copy for your records.

The warranty card has two parts, one for the installer and one for the home owner. This ensures we have all the information we need to best service your lighting products if any issues should arise after the 12 month standard warranty period.

<u>For the purchaser/installer:</u>		<u>For the home owner:</u>	
Name: _____		Name: _____	
Company: _____		Phone: _____	
Phone: _____		Email: _____	
Email: _____		Address: _____	
Date of purchase: _____		_____	
Date of installation: _____		Name of installer/electrician: _____	
Order number: _____		_____	
Address of installation: _____ _____		Supplied/Fitted by: _____	

		Date: _____	
Products purchased: 		Description of lighting: (as detailed as possible) 	

Warranty cards must be submitted online to be valid.

We recommend all lighting is installed by a certified electrician to comply with New Zealand electrical safety standards.

FAQs

- What length of strip lights can I run off a transformer?** That depends on the energy consumed by your strip light and whether or not you're adding any accessories like sensors. For a guide to strip light capacities, see page 62.
- Do I need a 12V or a 24V transformer?** The type of transformer you need will depend on the type of lights you want to run. To avoid safety issues, stick to a 12V transformer for 12V lights and a 24V transformer for 24V lights. For an in-depth guide to capacities, see page 62.
- How do I know what wattage transformer I need (60W/90W etc.)?** The transformer wattage will determine the amount of power available to run your lights. The more power your light consumes, the higher the wattage will need to be. For information on how to calculate your total wattage, see page 7.
- How many downlights can I run off one transformer?** Whether 12V or 24V, you can run 6 downlights.
- Can I put downlights and strip lights on one transformer?** Yes, you can! As long as the total wattage of all your downlights and strip lights is less than the wattage of the transformer. For more information on calculating the minimum wattage, see page 7.
- Can one remote control two or more lights from different transformers/junction boxes?** Using our remote panels, you can operate four channels per remote, each with its own transformer, junction box and controller box.
- What length is your LED strip light? Do they come in 10m lengths?** Currently all of our strip lights are available in 5m rolls, or cut to size through our Made to Measure service.
- Can your ribbon bend around a curve or radius?** Yes, although there are limitation to the axis. For more information, please consult your Technical Sales Representative.

FAQs

What should I choose 24V strip lights over 12V or vice versa?

- 24V systems consume more power than 12V, requiring a higher capacity transformer and a larger power supply
- On the other hand, 24V transformers expel 13% less heat than a 12V transformer, which improves the longevity
- This increased power also allows 24V systems to run power through the strip for greater lengths than a 12V system before you get any voltage drop.

What's the difference between the different shades of white? What one should I choose?

The different white tones in lighting are measured on a temperature spectrum. For more information on lighting temperature, and how the different shades of white are commonly used, please see page 8.

Can you cut anywhere on the ribbon?

No, each strip light has a set cutting increment and each cutting increment is clearly marked on the strip light with scissors to help you determine where to cut. This helps prevent any damage to the circuit or the LED diodes which would stop your strip light from working.

What length are the LED profiles?

We currently stock both 2m and 3m lengths in our standard profiles. The pendant lighting profiles are available in 600mm, 1200mm and 1800mm lengths. The 8mm Pluto profile is available in only the 2m length. Profiles can also be ordered cut to size through our Made to Measure program.

Does the Lighting Profile include mounting clips?

Yes, the Corner Profile, Micro Profile and Pluto Profile all include three centre mounting clips per metre.

What are the rebate sizes?

Both the Micro and Slimline profiles require a rebate 17mm wide by 7.5mm deep. The Pluto profile requires an 8.5x8.5mm rebate. For visual reference, please refer to the product pages.

Which profile should I use?

The best profile to suit your application may vary, so it's best to speak to your Technical Sales Representative if you have questions. A brief overview of common applications for each profile can be found on page 17.

What are lumens?

Lumens measure the amount of light you're getting from a bulb. The more lumens, the brighter the light. For more information, please see page 7.

FAQs

Do the strip lights dim? Can your lights be connected to a standard house dimmer switch?

Yes, all of our strip lights can be dimmed when used in conjunction with a Stefano Orlati Remote Panel or Dimmer Controller. Our strip lights are also compatible with wall mounted rotary dimmers, however we do not supply a dimmable AC transformer. Sourcing your own dimmable AC transformer will void your warranty.

How do you set up the remote panels, WiFi controllers or sensors?

Instructions on setting up and operating all of our remote panels, remote controllers and sensors can be found via our website, or by scanning the QR code on the product page. For more information, please contact your Technical Sales Representative.

Do you have a bigger junction box that will take more than six plugs?

We do not currently have a junction box with more than six plugs.

Do I have to order a junction box?

A junction box will be supplied with each transformer purchased, however they can also be ordered separately on request.

What is the lead time on MTM lighting?

Lead times vary by delivery area and can be dependent on local freight companies. For more information on lead times specific to your order, please contact your Technical Sales Representative, otherwise the below guidelines apply:

- Metro: 3 to 5 business days from date of order
- Regional: 5 to 7 business days from date of order

How do I join light strips around a corner?

We recommend using our Made to Measure service to ensure all joins and corners are properly soldered and connected. Otherwise, we also offer a DIY Corner Connector available for use with the 3528 standard strip lights only.

Do you offer a fully waterproof light suitable for outdoor use?

No, we do not currently offer a fully waterproof option.

How easy is DIY LED Lighting to install?

Our range is a plug and play system, making it quite easy to install. You can get in touch with your Technical Sales Representative for more information.

FAQs

Will the lighting connect to my home automation system?

For connection to a home automation system supplied by your electrician, you will need a compatible transformer that works with your system. Speak to your electrician for requirements. Using any lights with a transformer not purchased through Titus Tekform or Stefano Orlati will void your warranty.

Can you help with showroom displays?

Yes, we would love to help with any showroom displays or requirements! Please get in touch with your local branch to discuss.

What do I need to make this light work?

As our lighting products are plug and play, all you need is the lighting product and a compatible transformer. Additional accessories such as sensors and remotes can be added if required.

Why choose Stefano Orlati Lighting over other retailers or online products?

While you may sometimes find LED strip lights available cheaper elsewhere online, Stefano Orlati lighting products offer consistent quality and product reliability. Our LED Lighting uses high quality diodes which must pass rigorous quality control procedures, as well as a consistency test on the kelvin scale. All of our lighting includes our warranty, with an optional extension and our lighting technicians are on hand to answer any questions you may have.

Do the strip lights and downlights overheat?

All lights expel some amount of heat, but nothing that should burn you. Using an aluminium profile acts as a heat sink and reduces the amount of heat radiating from the diodes, therefore extending the life of your LED product.

What is the expected lifetime of the lights?

Our LED lighting products can be expected to last between 30,000 and 50,000 hours, or about 10 years.

Why does my light not work?

For any issues with the operation of your lighting, please contact your Technical Sales Representative to discuss.

Are LED lights energy efficient?

LEDs are currently the most energy efficient lighting technology. For more information on lighting comparisons, please see page 7.

FAQs

- How easy is DIY LED Lighting to install?** Our range is a plug and play system, making it quite easy to install. You can get in touch with your Technical Sales Representative for more information.
- Do you have LED strip lights where the dots (diodes) are not visible?** Our COB 528 strip light uses a chip-on-board panel similar to a downlight and does not show any diodes. For more information, see page 21. Alternatively, you can use our 3014 or 3527 strip lights with an LED profile and an opaque or tinted diffuser, which won't show any diodes at full brightness.
- How long can I leave the LED on for?** If you leave the LED lights on continuously, the life expectancy of the LED diode will drop to the lower end of the scale, at around 30,000 hours.
- Are LED lights environmentally friendly?** A longer lifespan means lower carbon emissions. LED lights last up to six times longer than other types of lights, reducing the need for frequent replacements. This results in using fewer lights and hence fewer materials and less energy consumed during the manufacturing, packaging, and transportation processes.
- Why should I buy your LED lighting?** Buying your LED lighting from us means knowing it's fit for the job and will work every time. Our affordable solutions don't just take the headache out of sourcing LED lighting, they also give your work a beautiful finish and a unique, premium look and feel.
- What is your returns policy?** We work hard to make sure you're happy with our products. If you have any questions about your purchase or need help finding the right solution, we're always happy to help out. If for some reason you need to return a product, please let us know within 30 days of your purchase. The product must be unused and in its original packaging with proof of purchase enclosed. In some cases, a 15% re-stocking fee may apply. We do not accept returns on MTM product, although our after sales support team will be happy to assist with any queries.



Product Care & Maintenance

To ensure product longevity and care, we recommend regular cleaning with a soft grit-free cloth. Keep away from water and beware of household cleaners as they may contain chemicals that can affect some finishes and base materials. Please check the label before use.

Never use scouring pads or cleaning pads with abrasive cleaners. If unsure, please contact your Technical Sales Representative.

Stefano Orlati Titus+



SCAN TO VIEW PRICING AND STOCK:



AUSTRALIA



NEW ZEALAND

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