



# Stefano Orlati Titus+



LED Lighting 2020

# Stefano Orlati Titus+

## LED Symbols



Made to Measure option



Cool White 6000K



Matt Black Finish



Do It Yourself option



Daylight White 4000K



Foggy Silver Finish



Door Sensor compatible



Warm White 3200K



Satin Nickel Finish



Hand Sensor compatible



RGBW



Opaque Diffuser



PIR Sensor compatible



Dimmable



Clear Diffuser



Touch Dimmer compatible



Single Colour Strip:  
Red  
Green  
Blue

Please note, all colours and finishes are for representational purposes only.

## LED Downlights

### 12V Round Imperia Downlight



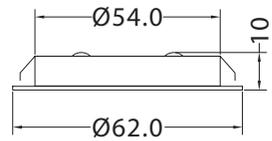
● FS



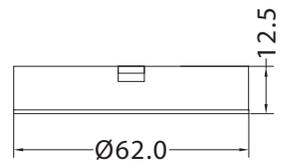
Lamp Shape	Round
Wattage	3.2W
Voltage	12V
Mounting	Recess or Surface
Main Cable	2m
Lumens	260 to 300
Transformer	12V - 25W runs up to 6x lights

### Downlight Mounting Details

Recess Mount:



Surface Mount:



### 24V Round Imperia Downlight



● FS ● MB ● SN



Lamp Shape	Round
Wattage	3W
Voltage	24V
Mounting	Recess or Surface
Main Cable	2m
Lumens	260 to 300
Transformer	24V - 60W runs up to 6x lights

### 24V Square Imperia Downlight



● FS ● MB ● SN



Lamp Shape	Round
Wattage	3W
Voltage	24V
Mounting	Recess or Surface
Main Cable	2m
Lumens	260 to 300
Transformer	24V - 60W runs up to 6x lights

## LED Strip Lights

LED Strip Lights are a brilliant option for task lighting and mood lighting and help to create ambiance and definition of a space. Common areas of application include kitchen & bathroom lighting, under-cabinetry lighting, shopfitting & or display lighting, signage, architectural lighting, and any other confined spaces requiring additional light. DIY ribbon options are available as 5m lengths with a tail soldered on each end. Please note, only 3528 strips are compatible with the DIY connectors.

### 24V Colour Temperature Tuneable - 3527



				Diode Size	3.5mm x 2.7mm
				Diodes per/m	120
				Voltage	24V DC
				Energy (watts)	19.2 per/m
				Width	10mm
				Projection	3mm
				Viewing Angle	120°
				Lumens per/m	840 + 960
				IP Rating	IP 20
				Cutttable Increments	Every 50mm
				Transformer	24V - Max 4.5m

### 24V RGBW Multicolour - 5050



					Diode Size	5mm x 5mm
					Diodes per/m	60
					Voltage	24V DC
					Energy (watts)	11.5 per/m
					Width	10mm
					Projection	3mm
					Viewing Angle	120°
					Lumens per/m	700
					IP Rating	IP 20
					Cutttable Increments	Every 170mm
					Transformer	24V - Max 5m

### 12V Water Resistant IP65 - 3528



						Diode Size	3.5mm x 2.8mm
						Diodes per/m	60
						Voltage	12V DC
						Energy (watts)	4.8 per/m
						Width	8mm
						Projection	3mm
						Viewing Angle	120°
						Lumens per/m	300
						IP Rating	IP 65
						Cutttable Increments	Every 50mm
						Transformer	12V - Max 10m

### 24V Continuous - 3014



						Diode Size	3mm x 1.4mm
						Diodes per/m	204
						Voltage	24V DC
						Energy (watts)	16.3 per/m
						Width	10mm
						Projection	3mm
						Viewing Angle	120°
						Lumens per/m	1590 to 2040
						IP Rating	IP 20
						Cutttable Increments	Every 30mm
						Transformer	24V - Max 5m

### 12V Extra Bright - 5050



						Diode Size	5mm x 5mm
						Diodes per/m	60
						Voltage	12V DC
						Energy (watts)	14.4 per/m
						Width	10mm
						Projection	3mm
						Viewing Angle	120°
						Lumens per/m	900
						IP Rating	IP 20
						Cutttable Increments	Every 50mm
						Transformer	12V - Max 4m

### 12V Standard - 3528



						Diode Size	3.5mm x 2.8mm
						Diodes per/m	60
						Voltage	12V DC
						Energy (watts)	4.8 per/m
						Width	8mm
						Projection	3mm
						Viewing Angle	120°
						Lumens per/m	45 to 300
						IP Rating	IP 20
						Cutttable Increments	Every 50mm
						Transformer	12V - Max 10m



## LED Profiles

Our LED Profiles are now available in Matt Black. LED Profiles transform the LED Strip Light into a complete lighting fixture for a stylish and finished look. Profiles assist with heat dissipation of the strip light and ensure longevity of the LED diodes, in the same way that a lamp shade protects a light bulb. The profile is composed of an aluminium backing and perspex diffuser which preserves and protects the strip light. Clear diffuser options provide maximum illumination and opaque diffusers diffuse light for a softer glow.



### Made to Measure (MTM)

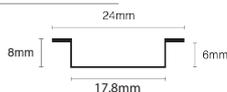
All Made to Measure orders are fabricated by us to your measurements. The profile includes the diffuser, end caps, mounting clips (if applicable) and LED Strip Light option.



### Do It Yourself (DIY)

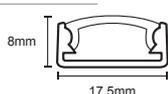
Supplied in 2m lengths. Choose your required LED components. All DIY components are supplied separately.

#### LED Slimline Profile



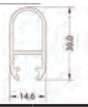
Length	2m
Height	8mm
Width	24mm
Recess Depth	7mm
Mounting	Recess

#### LED Micro Profile



Length	2m
Height	8mm
Width	17.5mm
Recess Depth	7mm
Mounting	Recess or Surface

#### LED Wardrobe Rail Light



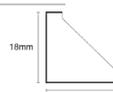
Length	2m
Height	30mm
Width	14.6mm
Recess Depth	-
Mounting	Surface

\*Brackets and end caps sold separately.

#### Why Add a Profile?

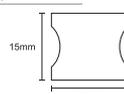
- Protect the LED strip from dust and spills
- Preserve the longevity of the diodes
- Diffuse light for a consistent glow

#### LED Corner Profile



Length	2m
Height	18mm
Width	18mm
Recess Depth	-
Mounting	Surface

#### LED Square Fusion Profile



Length	2m
Height	15mm
Width	17mm (MB: 17.5)
Recess Depth	10mm
Mounting	Recess or Surface



**Dimmer Remote Panel & Controller Box**



- Brightness dimmer
- 60 sec. switch off delay
- Wall mount or hand held remote
- Sensitive touch
- Simultaneous or individual light operation

Compatibility	All single colour LED strip lights
Outlets	4-way multi-channel
Distance Control	30m
Connection	2.4G wireless
Power Source	Battery operated (2x AAA)

**Tuneable Remote Panel & Controller Box**



- Colour temperature change
- Brightness dimmer
- 60 sec. switch off delay
- Wall mount or hand held remote
- Simultaneous or individual light operation

Compatibility	3527 tuneable strip light
Outlets	4-way multi-channel
Distance Control	30m
Connection	2.4G wireless
Power Source	Battery operated (2x AAA)

**RGBW Remote Panel & Controller Box**



- RGBW change
- Brightness dimmer and speed change
- Dedicated white channel
- 9 colour changing modes
- Wall mount or hand held remote

Compatibility	5050-RGBW strip light
Outlets	4-way multi-channel
Distance Control	30m
Connection	2.4G wireless
Power Source	Battery operated (2x AAA)

**RGBW Remote Controller**



- RGBW change
- Brightness dimmer and speed change
- Dedicated white channel
- Control way: R G B W
- Wall mount or hand held remote

Compatibility	5050-RGBW strip light
Loading Power	Max: 144 watts
Distance Control	30m
Connection	2.4G wireless
Power Source	Battery operated (2x AAA)

**Dimmer Controller**



- Brightness dimmer
- Compatible with Imperia downlights and 3528, 3014 and 5050 strip light options
- On/Off switch function

Compatibility	Imperia downlights, 3528, 3014, & 5050 strip lights
Loading Power	60W (12V) or 120W (24V)
Distance Control	30m
Connection	2.4G wireless
Power Source	Battery operated (2x AAA)

**WiFi Controller**



- Operate your LED lights via mobile app
- Add-on accessory for RGBW and Dimmer controllers
- Working voltage: 12V or 24V

Compatibility	Imperia downlights, 3528, 3014, & 5050 strip lights
Loading Power	DC 5V
Receiving Range	20m
Connection	2.4G wireless
Power Source	USB or power adaptor

**Touch Dimmer**



Recess depth: 14mm  
Recess diameter: 28mm

- Activated by touch
- Brightness dimmer
- Compatible with Imperia downlights
- On/Off switch function

Compatibility	Imperia downlights, 3528, & 3014 strip lights
Loading Power	24W / 48W
Input Voltage	DC 12V/24V
Output Voltage	DC 12V/24V
IP Rating	IP 44
Mounting	Recess or Surface

**Toggle Switch**



Recess depth: 14mm  
Recess diameter: 20mm

- On/Off single switch

Compatibility	Imperia downlights
Loading Power	Max 72W for 12V or 144W for 24V
Input	DC 12V/24V Continuous
Output	DC 12V/24V
Mounting	Recess

### Door Sensor



- Open and close door to activate and deactivate
- Available as a single or double sensor
- Compatible with Imperia downlights, 3528 and 3014 strip light options

Sensor must be set back 5mm when mounted.

Compatibility	Imperia downlights, 3528 & 3014 strip lights
Input	DC 12V/24V constant voltage
Output	DC 12V/24V
Detection Area	100mm approx.
Loading Power	36W or 72W
Mounting	Surface

### Hand Sensor



- Wave hand within detection range to activate and deactivate
- Single sensor
- Compatible with Imperia downlights, 3528 and 3014 strip light options

Recess depth: 14mm  
Recess diameter: 16mm

Compatibility	Imperia downlights, 3528 & 3014 strip lights
Input	DC 12V/24V constant voltage
Output	DC 12V/24V
Detection Area	100mm approx.
Loading Power	36W or 72W
Mounting	Recess or Surface

### PIR Sensor



- Move in and out of detection range to activate and deactivate
- Available as a single or double sensor
- Compatible with Imperia downlights, 3528 and 3014 strip light options

Recess depth: 11mm  
Recess diameter: 16mm

Compatibility	Imperia downlights, 3528 & 3014 strip lights
Input	DC 12V/24V constant voltage
Output	DC 12V/24V
Detection Area	1m approx.
Loading Power	24W or 48W
Mounting	Recess or Surface

When using sensors or touch dimmers in conjunction with your LED Imperia Downlights or LED Strip Lights, please refer to the below capacity guide.

For sensor installation and mounting details, view the Complete Technical Catalogue or download the installation guides from [www.titustekform.com.au](http://www.titustekform.com.au)

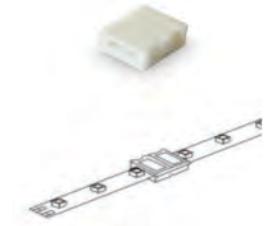
## Capacity Guide: Door Sensor, Hand Sensor, PIR Sensor and Touch Dimmer

Compatible Lighting Option	Capacity (maximum run)
12V - Imperia Downlight	4x downlights with 2m tail
24V - Imperia Downlight	4x downlights with 2m tail
12V - 3528 Standard Strip Light	4.5 metres with 2m tail
12V - 3528 Water Resistant Strip Light	4.5 metres with 2m tail
12V - 5050 Extra Bright Strip Light	1.5 metres with 2m tail
24V - 3014 Continuous Strip Light	2.5 metres with 2m tail

## Capacity Guide: Dimmer Controller

Compatible Lighting Option	Capacity (maximum run)
12V - Imperia Downlight	6x downlights with 2m tail
24V - Imperia Downlight	6x downlights with 2m tail
12V - 3528 Standard Strip Light	10.0 metres with 2m tail
12V - 3528 Water Resistant Strip Light	10.0 metres with 2m tail
12V - 5050 Extra Bright Strip Light	4.0 metres with 2m tail
24V - 3014 Continuous Strip Light	5.0 metres with 2m tail

**DIY Connector**



- Compatible with 3528 strip light only
- DIY components are recommended for strip light only options (no profiles)
- Connect two lengths of strip light

Compatibility	3528 LED strip light
Length	16mm
Width	12mm

**DIY Tail**



- Compatible with 3528 strip light only
- DIY components are recommended for strip light only options (no profiles)

Compatibility	3528 LED strip light
Length	2m
Width	12mm

**DIY Corner Connector**



- Compatible with 3528 strip light only
- DIY components are recommended for strip light only options (no profiles)
- 40mm wire between connectors

Compatibility	3528 LED strip light
Length	16mm
Width	12mm

**Extension Cable**



- Compatible with Imperia Downlights and LED strip lights, excluding RGBW and 3527
- DIY components are recommended for strip light only options (no profiles)

Compatibility	Imperia Downlights and LED strip lights excluding RGBW and 3527
Length	2m
Width	12mm



**Energy Efficient**

- LEDs draw less power than halogen or incandescent light
- Achieves full brightness in microseconds

**Low Maintenance**

- No need to replace - LED diodes last the lifetime of the kitchen
- Wireless remotes and control panels

**Plug & Play Installation**

- No electrician required!
- Made to Measure service for cut-to-size

**Safer**

- Operates at a much cooler temperatures than halogen or incandescents

**Environmentally Friendly**

- Cuts greenhouse gas emissions
- Reduces landfill

**Non-toxic**

- Contains no mercury or lead
- Emits no UV rays or infrared radiation

**Order Forms**

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

Download order forms online - [www.titustekform.com.au](http://www.titustekform.com.au)



## 12V-25W Transformer



- Protections: short circuit / overload / over voltage / over temperature
- All transformers are supplied with a 6-way junction box
- 1.5m power cord

AC Input Voltage	DC Output	Output Watts Max
100-240VAC - 50/60Hz, 1.0A Max	12V DC 2.08A Constant Voltage	25 Watts

Compatible Lighting Option	Capacity per 25W Transformer (without sensors)
Imperia Downlight 12V	6x downlights including 2m tail leading to transformer
3528 Standard Strip Light	5m including 2m tail leading to transformer
5050 Extra Bright Strip Light	1.5m including 2m tail leading to transformer

## 12V-60W Transformer



- Protections: short circuit / overload / over voltage / over temperature
- All transformers are supplied with a 6-way junction box
- 1.5m power cord

AC Input Voltage	DC Output	Output Watts Max
100-240VAC - 50/60Hz, 1.5A Max	12V DC 5.0A Constant Voltage	60 Watts

Compatible Lighting Option	Capacity per 60W Transformer (without sensors)
3528 Standard Strip Light	11m including 2m tail leading to transformer
5050 Extra Bright Strip Light	4m including 2m tail leading to transformer

## 24V-60W Transformer



- Protections: short circuit / overload / over voltage / over temperature
- All transformers are supplied with a 6-way junction box
- 1.5m power cord

AC Input Voltage	DC Output	Output Watts Max
110-240VAC - 50/60Hz, 1.4A Max	24V DC 2.50A Constant Voltage	60 Watts

Compatible Lighting Option	Capacity per 60W Transformer (without sensors)
Imperia Downlight 24V	6x downlights including 2m tail leading to transformer
3014 Continuous Strip Light	3.5m including 2m tail leading to transformer
5050 RGBW Strip Light	4m including 2m tail leading to transformer
3527 Colour Tuneable Strip Light	3m including 2m tail leading to transformer

## 24V-90W Transformer



- Protections: short circuit / overload / over voltage / over temperature
- All transformers are supplied with a 6-way junction box
- 1.5m power cord

AC Input Voltage	DC Output	Output Watts Max
110-240VAC - 50/60Hz, 1.4A Max	24V DC 3.75A Constant Voltage	90 Watts

Compatible Lighting Option	Capacity per 90W Transformer (without sensors)
Imperia Downlight 24V	6x downlights including 2m tail leading to transformer
3014 Continuous Strip Light	5m including 2m tail leading to transformer
5050 RGBW Strip Light	5m including 2m tail leading to transformer
3527 Colour Tuneable Strip Light	4.5m including 2m tail leading to transformer

## Frequently Asked Questions

### Why LEDs?

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

### What does LED mean simply?

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

### Does turning LED lights on and off reduce lifetime?

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

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

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

### Can LED lights be dimmed?

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

### Do the LED diodes need to be replaced?

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

### Do LEDs overheat?

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

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

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

### Is LED a different type of light?

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

## LED Lighting Warranty

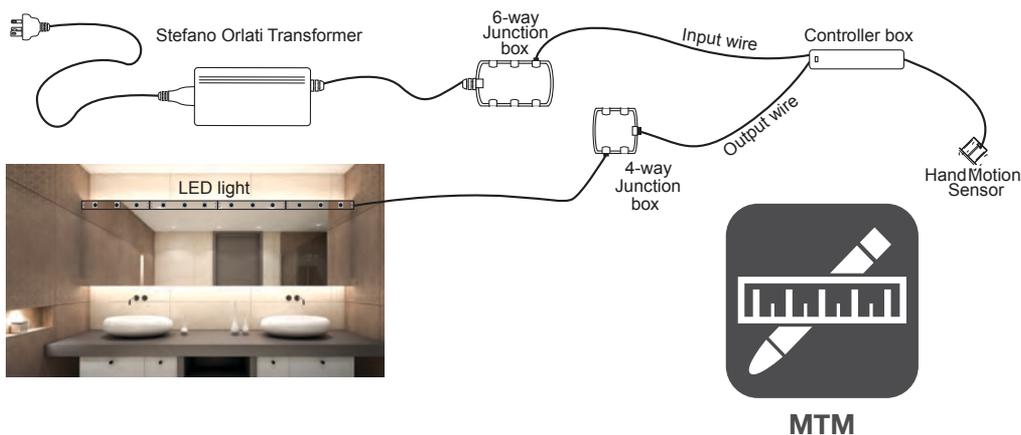
All Stefano Orlati lighting products offer you the warranties extended to you under consumer protection legislation. Our warranty is for one year from the date of purchase. The warranty is void if the lighting products are used with a transformer sourced from another supplier.

## Made to Measure Lighting Service

### Cut to Size and Peace of Mind

Stefano Orlati LED Lighting by Titus Tekform is one of the only made to measure services in the industry to fabricate to the mm\*. All Made to Measure orders are cut to your measurements and outfitted with the required connections. The profile includes diffuser, end caps, mounting clips (if applicable) & LED Strip Light option. For any in-depth lighting orders it is recommended to supply a sketch or a plan. All MTM lighting comes with a 2m cable as standard.

Our Made to Measure service is more than just fabrication - our lighting technicians have many years of industry knowledge and the technical know-how to answer your questions. We'll even come to site if there are issues with installation.



\*While all efforts are expended for cut to size fabrication, there may be variance in measurements of +/-1mm

### Auckland

#### Stefano Orlati Ltd

34 Waipareira Avenue  
Henderson, 0610  
T: +64 9 837 0886  
E: nisales@stefano-orlati.co.nz

### Christchurch

#### Stefano Orlati Ltd

162 Wordsworth Street  
Sydenham, 8023  
T: +64 3 981 8518  
E: sisales@stefano-orlati.co.nz



### Find a Customer Service Nearby

#### Titus Tekform Australia

[www.titustekform.com.au](http://www.titustekform.com.au)

[info@titustekform.com.au](mailto:info@titustekform.com.au)

1300-0-TITUS

#### Stefano Orlati New Zealand

[www.stefano-orlati.com](http://www.stefano-orlati.com)

[stefano-orlati@titusplus.com](mailto:stefano-orlati@titusplus.com)

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