Stefano Orlati
LED Lighting

LED Lighting
Product Guide

LED Downlights

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LED Lighting
Information

Features

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

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

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

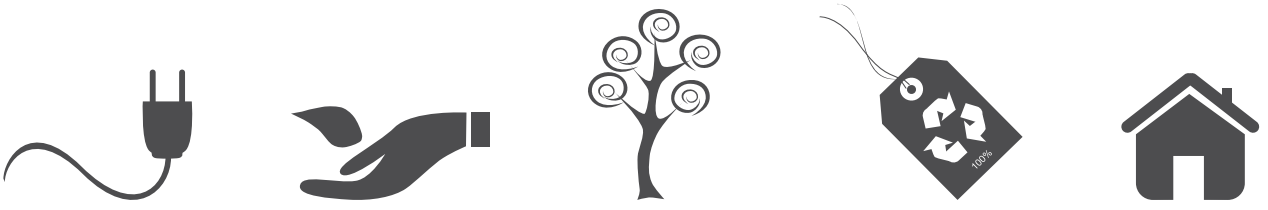
LED Lighting is safe, environmentally friendly & contains no toxic mercury. It uses approx. 85% less energy than halogen or incandescent lights.

Benefits

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

Lighting Product Warranty

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



LED Lighting
Information

Frequently Asked Questions

Why LEDs?

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

What does LED mean simply?

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

Does turning LED lights on and off reduce lifetime?

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

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

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

Can LED lights be dimmed?

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

Do the LED diodes need to be replaced?

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

Do LEDs overheat?

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

The waste heat must be properly removed from the light to 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
Information

LED Symbol Guide

MTM — Made to Measure

DIY — Do It Yourself

DIM — Dimmer Control

PROFILE — LED Profile

DOOR — Door Motion Sensor

HAND — Hand Motion Sensor

PIR — PIR Motion Sensor

TD — Touch Dimmer

Order Forms

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

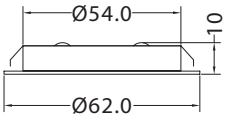
Download order forms online – **www.titustekform.com.au**

LED Lighting
LED Downlights

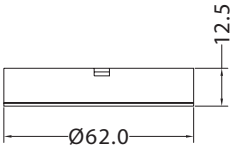
Options

- Plug & Play installation
- Can be used in conjunction with sensors & dimmer control

	Technical and mounting details		Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3200k)
Imperia Downlight		Downlight	IMPERIA →	DW	CW	WW
		Bracket	IMPERIA-BRACKET			



Recess Mount



Surface Mount

Lamp Shape	Round
Finish	Silver
Lamp Wattage	3.2W
Lamp Voltage	12V
Mounting	Recess or Surface
Main Cable	2.0m
Dimmable	Yes
Lumens (per/m)	260 to 300
Beam Angle	120°
Connection	Transformer 100 - 240V, 2 meters
Lifetime	30,000 hours
Transformer	Constant Voltage 12V
	12V - 25W runs up to 6 x Lights

When using downlight in conjunction with a sensor option refer to capacity guide.
see page → 10.27

LED Lighting
LED Strip Lights

Products And Services

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

Task Lighting

Decorative Lighting

Enhance the strip light by adding an LED Profile option.

What Are Your Options With LED Strip Lights?

MTM

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

DIY

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

Ordering

MTM
All MTM codes are specified on each product. When ordering MTM strip lighting, please order using the following code string, for example:
[SPECIFY MEASUREMENTS] **CODE: MTM-3528-CW**

DIY
All DIY codes are specified on each product. When ordering DIY strip lighting please order using the following code string for example:
[SPECIFY QUANTITY] **CODE: DIY-3528-CW**

Order Forms

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

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

LED Lighting
LED Strip Lights

IP Rating

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

IP20 - No Coating
2 = Protected against solid objects over 12.5mm
0 = No protection from liquids/water

IP65 - Clear Water Resistant Coating
6 = Total protection against dust ingress
5 = Protection against low pressure water jets from all directions. Limited ingress protection

Diode Guide

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

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

3014 = 3.0mm x 1.4mm (diode size)

3528 = 3.5mm x 2.8mm (diode size)

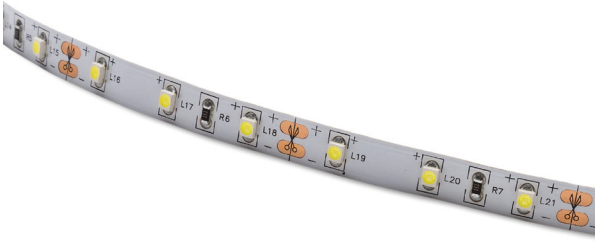
5050 = 5.0mm x 5.0mm (diode size)

LED Lighting
LED Strip Lights

Options: MTM, DIY, DIM, PROFILE, DOOR, HAND, PIR, TD

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

Technical and mounting details	Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3200k)	Blue	Red	Green	Amber
12V 3528 Standard IP20	MTM-3528 ⇢	DW	CW	WW	BLUE	RED	GREEN	AMBER
	DIY-3528 ⇢	DW	CW	WW	BLUE	RED	GREEN	AMBER



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.

Diode Size	3.5mm x 2.8mm
Diodes (per/m)	60
Voltage	12V DC
Energy (watts)	4.8 per/m
Width	8mm
Projection	3mm
Viewing Angle	120°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	Daylight White - 300 Cool White - 300 Warm White - 300 Amber - 65 Blue - 45 Green - 200 Red - 110
Transformer 12V	Maximum run 10 meters

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

⇢ *see page 10.27*

LED Lighting
LED Strip Lights

Options

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

Technical and mounting details	Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3200k)
12V 3528 Water Resistant IP65	MTM-3528-IP65 ⇢	DW	CW	WW
	DIY-3528-IP65 ⇢	DW	CW	WW

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

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 10.27*

LED Lighting
LED Strip Lights

Options: MTM, DIM, PROFILE, DOOR, HAND, PIR

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

Technical and mounting details	Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3200k)
12V 5050 Extra Bright IP20	MTM-5050 ⇢	DW	CW	WW
	DIY-5050 ⇢	DW	CW	WW

Diode Size	5.0mm x 5.0mm
Diodes (per/m)	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

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

⇢ *see page 10.27*

LED Lighting
LED Strip Lights

Options

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

Technical and mounting details	Item number	Daylight white (4000k)	Cool white (6000k)	Warm white (3200k)
24V 3014 Continuous IP20	MTM-3014 ⇢	DW	CW	WW
	DIY-3014 ⇢	DW	CW	WW

Diode Size	3.0mm x 1.4mm
Diodes (per/m)	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)	1590 to 2040
Transformer 24V	Maximum run 5 meters

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

⇢ *see page 10.27*

LED Lighting
LED Strip Lights

Options

MTM PROFILE

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

Technical and mounting details	Item number	Multicolour
24V 5050 RGBW Multicolour	MTM-5050 see page 10.14	RGBW
	DIY-5050 see page 10.14	RGBW

Diode Size	5.0mm x 5.0mm
Diodes (per/m)	60
Voltage	24V DC
Energy (watts)	10 per/m
Width	12mm
Projection	3mm
Viewing Angle	120°
Waterproof Rating	IP20
Dimmable	Yes
Lumens (per/m)	700
Transformer 24V	Maximum run 5 meters

To be used in conjunction with RGBW Multicolour Controller.
see page 10.14

** If using the strip light in conjunction with a sensor or controller refer to capacity guide*
see page 10.27

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

	Technical and mounting details	Item number
RGBW Multicolour Controller		RGBW-CCU
		Includes: remote, batteries, wall mount bracket

REMOTE

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

CONTROLLER

Control Way	RGBW
Max Load	144 watts
Control Distance	30 meters

Used to activate and control the RGBW Multicolour Strip Light.
⇢ *see page 10.13*

LED Lighting
LED Profiles

Products and Services

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

What Are Your Options With LED Profiles?

MTM

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

DIY

Do It Yourself (DIY)
Choose your required LED components. All DIY components are supplied separately.

Ordering

MTM

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

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

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

STRIP LIGHT OPTIONS / COLOURS

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

DIY

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

*For further information on LED strip light options refer to pages 10.7-10.14.

Order Forms

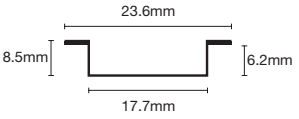
As a helpful guide when ordering, request an LED Lighting order form or call us to discuss your requirements.

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

LED Lighting
LED Profiles

- Recess mount installation
- Supplied with an opaque or clear diffuser
- Profile can be screwed or glued into rebate
- Recess depth 6.2mm

Technical and mounting details	Item number	Description
LED Slimline	**MTM-SLIM-CL** [Insert strip light option and colour - refer to table on page 10.15]	
	MTM-SLIM-OP [Insert strip light option and colour - refer to table on page 10.15]	
	DIY-SLIM-CL	Clear Diffuser
	DIY-SLIM-OP	Opaque Diffuser



MTM

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

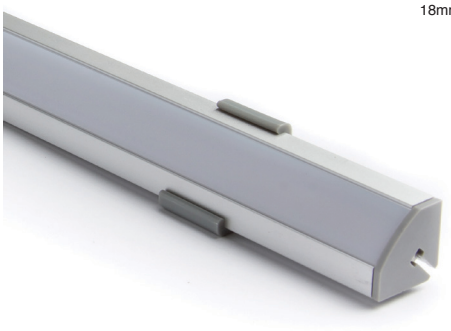
DIY

Supplied in a 2m length & includes end caps. All DIY components are supplied separately.
* Note: DIY connectors do not fit into the Slimline profile.

LED Lighting
LED Profiles

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

	Technical and mounting details	Item number	Description
LED Corner		**MTM-CORNER-CL** [Insert strip light option and colour - refer to table on page 10.15]	
		MTM-CORNER-OP [Insert strip light option and colour - refer to table on page 10.15]	
		DIY-CORNER-CL	Clear Diffuser
		DIY-CORNER-OP	Opaque Diffuser



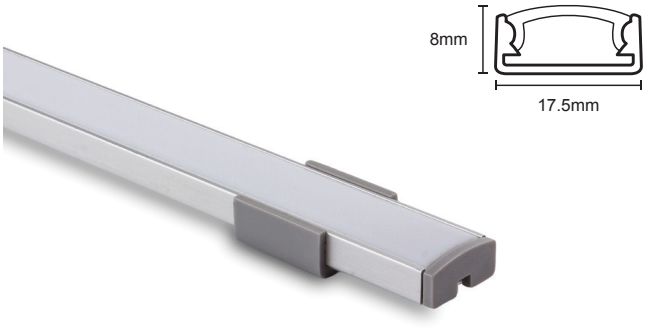
MTM
As a helpful guide when ordering refer to the Made to Measure order form.

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

LED Lighting
LED Profiles

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

Technical and mounting details	Item number	Description
LED Micro	**MTM-MICRO-CL** [Insert strip light option and colour - refer to table on page 10.15]	
	MTM-MICRO-OP [Insert strip light option and colour - refer to table on page 10.15]	
	DIY-MICRO-CL	Clear Diffuser
	DIY-MICRO-OP	Opaque Diffuser



MTM

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

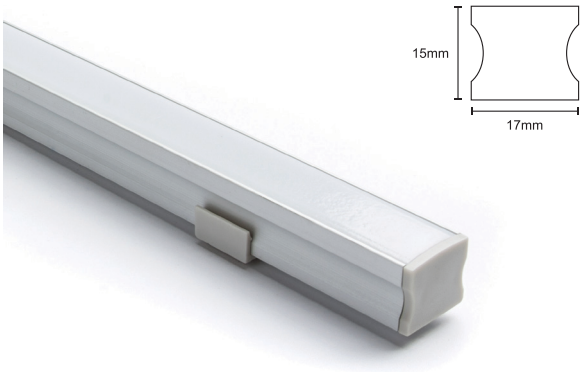
DIY

Supplied in a 2m length & includes end caps and mounting clips. All DIY components are supplied separately.
* Note: DIY connectors do not fit into the Micro profile.

LED Lighting
LED Profiles

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

Technical and mounting details	Item number	Description
LED Square Fusion	**MTM-SQ-CL** [Insert strip light option and colour - refer to table on page 10.15]	
	MTM-SQ-OP [Insert strip light option and colour - refer to table on page 10.15]	
	DIY-SQ-CL	Clear Diffuser
	DIY-SQ-OP	Opaque Diffuser



MTM

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

DIY

Supplied in a 2m length & includes end caps and mounting clips.
All DIY components are supplied separately.
*Note: DIY connectors do not fit into the square profile.

LED Lighting
LED Profiles

- Surface or recess mount installation
- Supplied with an opaque or clear diffuser
- Profile can be glued screwed or clipped on using mounting clips supplied
- Recess depth 9mm

Technical and mounting details	Item number	Description
LED Rectangle	**MTM-REC-CL** [Insert strip light option and colour - refer to table on page 10.15]	
	MTM-REC-OP [Insert strip light option and colour - refer to table on page 10.15]	
	DIY-REC-CL	Clear Diffuser
	DIY-REC-OP	Opaque Diffuser

MTM

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

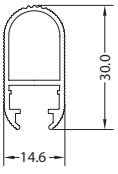
DIY

Supplied in a 1.5m length & includes end caps and mounting clips. All DIY components are supplied separately.
*Note: DIY connectors do not fit into the Rectangle profile.

LED Lighting
LED Profiles

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

Technical and mounting details	Item number	Description
LED Wardrobe Rail Light	**MTM-ROBE** [Insert strip light option and colour - refer to table on page 10.15]	
	DIY ⇢	ROBE
	ROBE-EB	End Bracket
	ROBE-MB	Middle Bracket



MTM

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

DIY

Supplied in a 2m length & includes end caps. All DIY components are supplied separately.
*Note: DIY connectors do not fit into the Wardrobe profile.

LED Lighting
LED Profiles

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

Technical and mounting details	Item number	Description
LED Glass Profile	**MTM-GLASS** [Insert strip light option and colour - refer to table on page 10.15]	
	DIY ⇢	GLASS

MTM

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

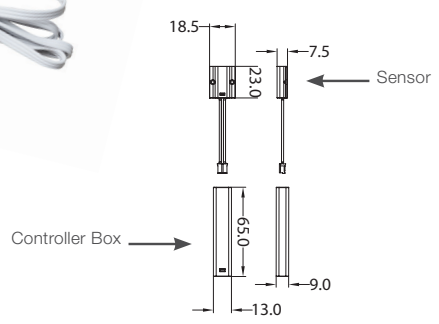
DIY

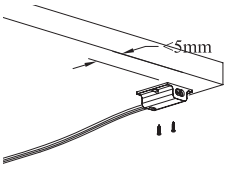
Supplied in a 2m length. All DIY components are supplied separately.
*Note: DIY connectors do not fit into the Glass profile.

DOOR

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

	Technical and mounting details	Item number	Description
Door Sensor		SS-D-SINGLE	Single Sensor
		SS-D-DOUBLE	Double Sensor





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

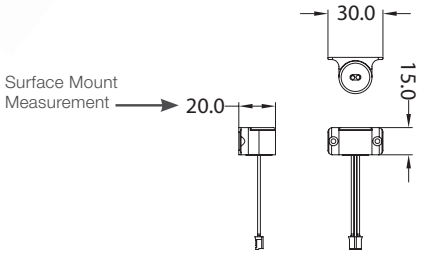
** For sensor switch capacity guide see page ⇢ 10.27*

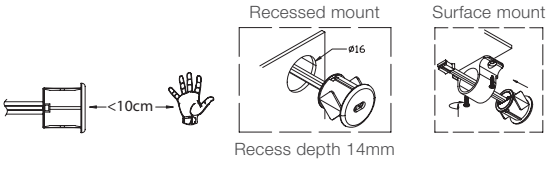
LED Lighting
LED Sensors

HAND

- Colour - White
- Plug & Play installation
- Wave hand within detection range to activate and deactivate
- Compatible with Imperia downlight, 3528 & 3014 strip light options

Technical and mounting details	Item number	Description
Hand Sensor	SS-H	Single Sensor





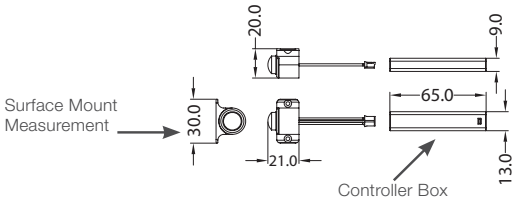
Detection Area	Approx. detection 100mm
Input	DC 12V or DC 24V constant voltage
Output	DC 12V or DC 24V
Loading Power	24W or 48W
Mounting	Surface or recess
Recess Depth	14mm
Recess Diameter	16mm

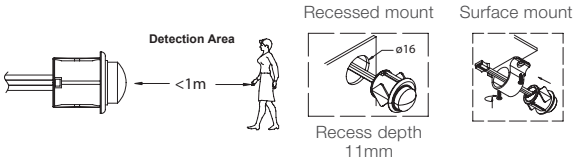
** For sensor switch capacity guide see page 10.27*

PIR

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

Technical and mounting details	Item number	Description
PIR Sensor	SS-PIR-SINGLE	Single Sensor
	SS-PIR-DOUBLE	Double Sensor





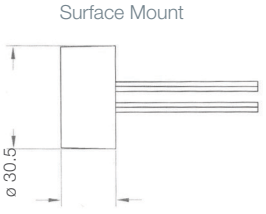
Detection Area	Approx. detection 1m
Input	DC 12V or DC 24V constant voltage
Output	DC 12V or DC 24V
Loading Power	24W or 48W
Mounting	Surface or recess
Recess Depth	11mm
Recess Diameter	16mm

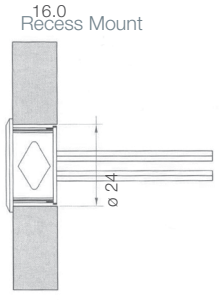
** For sensor switch capacity guide see page 10.27*

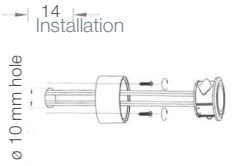
LED Lighting
LED Sensors

- Plug & Play installation
- On/Off switch function
- Activated by touch
- Compatible with Imperia downlight and 3528 & 3014 strip light options
- Silver colour

Technical and mounting details	Item number	Description
Touch Dimmer	SS-DIM	Touch Dimmer







Input voltage	DC 12V/24V
Output voltage	DC 12V/24V
Loading Power	24W/48W
IP Rated	IP44
Recess Depth	14mm
Recess Diameter	24mm
Detection Area	By touch
Mounting	Surface or recess mount

** For sensor dimmer control guide see page ⇢ 10.27*

LED Lighting
LED Sensors

DIM

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

Technical and mounting details	Item number	Description
Dimmer Controller	LED-DIM	Dimmer Controller

Includes: remote, batteries, wall mount bracket

RF Touch Remote	2.4 GHz
Receiving Range	30 meters
Input	DC 12V or DC 24V constant voltage
Output	DC 12V or DC 24V
Loading Power	60W (12V) or 120W (24V)
Dimensions of Control Box	85mm x 45mm x 22mm
Dimensions of Remote	114mm x 56mm x 20mm

** For sensor dimmer control guide see page ⇢ 10.27*

Sensor Capacity Guide

Hand Sensor / Door Sensor / PIR Sensor / Touch Dimmer

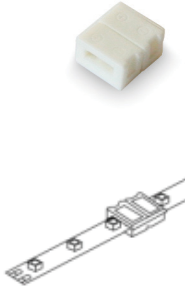
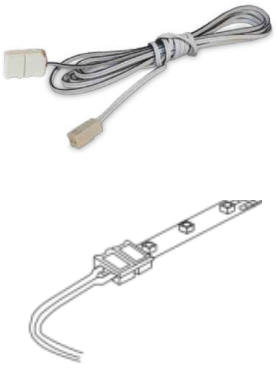
Product	Capacity (maximum run)
12V - Imperia Downlights	4 x downlights (including 2m tail leading to transformer)
12V - 3528 Standard Strip Light	4.0 metres (including 2m tail leading to transformer)
12V - 5050 Extra Bright Strip Light	1.5 meters (including 2m tail leading to transformer)
24V - 3014 Continuous Strip Light	2.0 meters (including 2m tail leading to transformer)

Dimmer Control

Product	Capacity (maximum run)
12V - Imperia Downlights	6 x downlights (including 2m tail leading to transformer)
12V - 3528 Standard Strip Light	10 metres (including 2m tail leading to transformer)
12V - 5050 Extra Bright Strip Light	4.0 meters (including 2m tail leading to transformer)
24V - 3014 Continuous Strip Light	5.0 meters (including 2m tail leading to transformer)

LED Lighting
LED DIY and Accessories

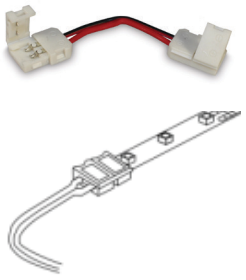
- Compatible with 3528 standard strip light only
- Connector dimensions - (L) 16mm x (W) 12mm
- DIY components are recommended for strip light only options (no profile)

	Item number	Length (m)
DIY Connector 	DIY-CONNECT	N/A
	Note: Connectors are not recommended for use with LED profiles	
DIY Tail 	DIY-TAIL	2
	Note: Connectors are not recommended for use with LED profiles	

LED Lighting
LED DIY and Accessories

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

	Item number	Length (m)
DIY Corner Connector	**DIY-CORNER**	



- 40mm wire between connectors

Note: Connectors are not recommended for use with LED profiles

Extension Cable	**DIY-EXT**	2

2m extension lead can be used with LED Downlights and LED strip lights (except RGBW-strip lights)

LED Lighting
LED Transformers

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

	Item number	Description
12V-25W Transformer	TF-25-12	12V-24W Transformer

AC Input Voltage	100-240VAC - 50/60Hz , 1.0A Max
DC Output	12V DC 2.08A Constant Voltage
Output Watts Max	25 Watts
Dimensions	(L) 100mm (W) 47mm (H) 27mm
Power Input Cord	1.5m
LED Compatibility	Imperia downlight, 3528 standard strip light, sensor switches

Transformer Capacity Guide

12V-25W Transformer

LED Downlights/Strip Lights	**Per 25W Transformer (no sensors attached)**
Imperia Downlight	6 x downlights (including 2m tail leading to transformer)
3528 Standard Strip Light	5.0 meters (including 2m tail leading to transformer)
5050 Extra Bright	1.5 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *see page* ⇢ *10.27*

LED Lighting
LED Transformers

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

	Item number	Description
12V-60W Transformer	TF-60-12	12V-60W Transformer

AC Input Voltage	100-240VAC - 50/60Hz 1.5A Max
DC Output	12VDC 5.0A Constant Voltage
Output Watts Max	60 Watts
Dimensions	(L) 117mm (W) 51mm (H) 35mm
Power Input Cord	1.5m
LED Compatibility	3528 Standard, 5050 Extra Bright

Transformer Capacity Guide

12V-60W Transformer

LED Strip Lights	Per 60W Transformer (no sensors attached)
3528 Standard Strip Light	10 meters (including 2m tail leading to transformer)
5050 Extra Bright Strip Light	4.0 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *see page* ⇢ *10.27*

LED Lighting
LED Transformers

- Protections - short circuit / overload / over voltage / over temperature
- Option of 60W or 90W depending on application requirements – see LED compatibility
- All transformers are supplied with a 6-way junction box

	Item number	Description
24V-60W Transformer	TF-60-24	24V-60W Transformer

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

Transformer Capacity Guide

24V-60W Transformer

LED Strip Lights	**Per 60W Transformer (no sensors attached)**
3014 Continuous Strip Light	3.5 meters (including 2m tail leading to transformer)
5050 RGBW Multicolour Strip Light	4.0 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *see page* ⇢ *10.27*

LED Lighting
LED Transformers

- Protections - short circuit / overload / over voltage / over temperature
- Option of 60W or 90W depending on application requirements – see LED compatibility
- All transformers are supplied with a 6-way junction box

	Item number	Description
24V-90W Transformer	TF-90-24	24V-90W Transformer

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

Transformer Capacity Guide

24V-90W Transformer

LED Strip Lights	**Per 90W Transformer (no sensors attached)**
3014 Continuous Strip Light	5.0 meters (including 2m tail leading to transformer)
5050 RGBW Multicolour Strip Light	5.0 meters (including 2m tail leading to transformer)

Refer to sensor and controller capacity guide, *see page* ⇢ *10.27*