

# SLIM

LED Strip



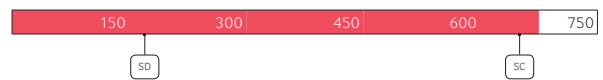


The Slim LED strip utilizes the latest and most efficient LEDs available today and is offered in broad range of colour temperatures.

Each segment of 300mm features 60 micro High power LEDs. The Slim is packaged into a very small and elegant aluminium extrusion, which allows it to be used in tight places. Combined with inbuilt dimming and thermal management, Slim represents a fantastic package that is ideal for most architectural and commercial lighting applications. The Slim is offered in a black or grey aluminium extrusion as well as clear or opal diffuser.

**LUMINOUS FLUX**

650lm / Meter



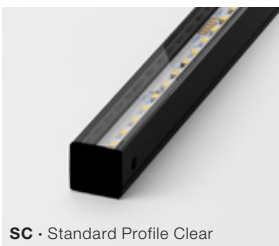
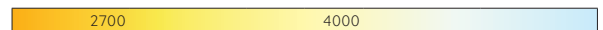
**POWER**

12.4W / Meter

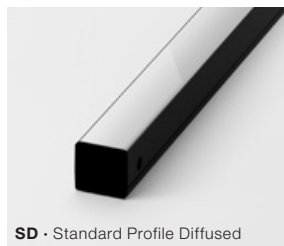


**COLOUR TEMPERATURE**

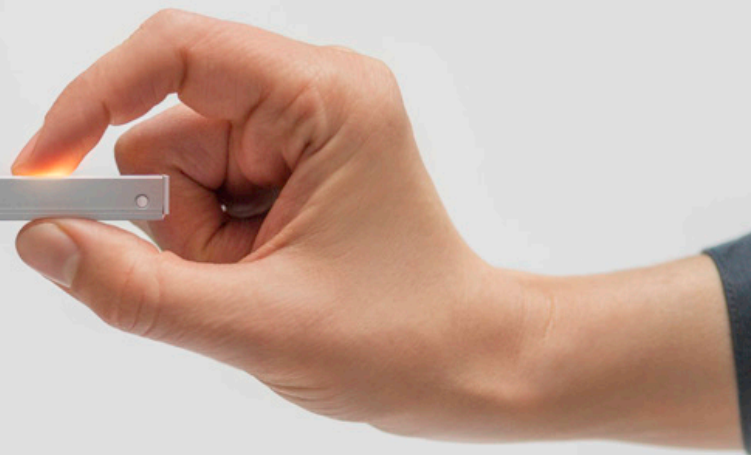
2700K ~ 4000K



**SC** - Standard Profile Clear



**SD** - Standard Profile Diffused



## SLIM PROFILE

The Slim is Coolon's most compact LED strip suitable for locations with shallow and narrow rebates and is ideal for most architectural and commercial lighting applications.

The Slim is offered in a black or grey aluminium extrusion as well as clear or opal diffuser.



## UNIFORM GLOW

The Slim is offered in various configurations as well as "Uniform Glow", a completely uniformly illuminated diffuser with no visible scalloping on the diffuser or the illuminated surface.



### LONG USEFUL OPERATING LIFE

Currently available specification from world's most reputable LED manufacturers states 50,000 hours of continuous operation at the rated current within the operating temperature range to 70% residual light output.



### VARIOUS CCT & COLOUR BINNING CONSISTENCY

Product is offered in various Colour Temperatures using tighter bins.



### 3 YEARS FULL /SOLID WARRANTY

Coolon Luminaires are covered by a solid comprehensive manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.



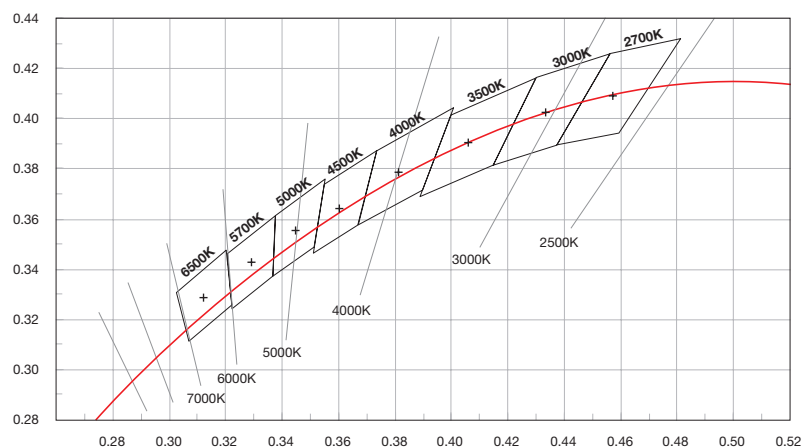
### PROUDLY MADE IN AUSTRALIA

Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

## TECHNICAL SPECIFICATIONS

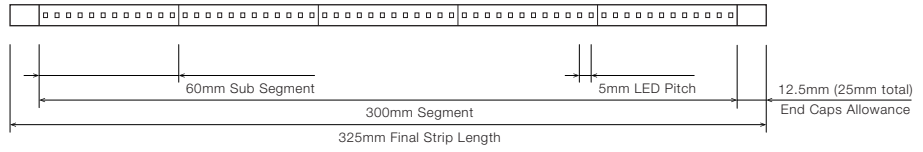
Product Code	STR-SLIM UG
Description	Slim Compact LED Strip
Segment Length (S)	300mm
Sub-Segment Length (A)	60mm
Number of Sub-Segments	5
Segment Width	7.50mm
LED Pitch	5.00mm
LEDs Per Segment	60
LEDs Per Sub Segment	12
Operating Voltage	24VDC
Typical Power Consumption per Segment	3.72W per 300mm Segment
Typical Power Consumption per Meter	12.4W per Meter
Typical Current	155mA per 300mm Segment
Colour Rendering Index (CRI)	80+
Dimmable	With DALI / PWM
Effective Beam Angle	120°
External Heatsink Required	No
Ambient Operating Temp	Ta -40°C to 50°C
Thermal Operating	Yes (Active)
Average Lumen Maintenance @Ta 25°C	70% @ 50,000 Hours
IP Rating	IP40 (Standard)
Max Continuous Connection Length	Please refer to installation limitations

## COLOUR BINNING



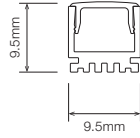
■ DIMENSIONS

For final strip lengths please refer to the "Product Length" table.



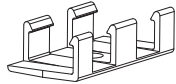
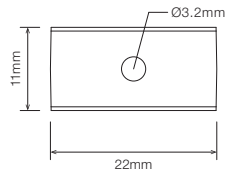
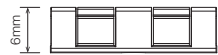
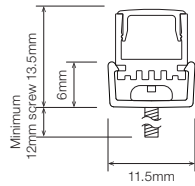
**STANDARD PROFILE**

Available in Clear and Diffused



**WITH MOUNTING CLIP**

Available in Black, Grey and White

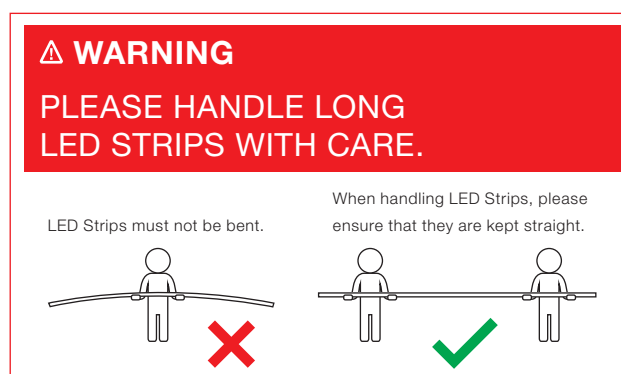
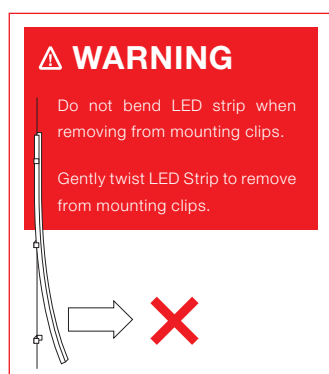


## PRODUCT LENGTH

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
0	1	60mm	add 25mm	85mm
0	2	120mm	add 25mm	145mm
0	3	180mm	add 25mm	205mm
0	4	240mm	add 25mm	265mm
1	0	300mm	add 25mm	325mm
1	1	360mm	add 25mm	385mm
1	2	420mm	add 25mm	445mm
1	3	480mm	add 25mm	505mm
1	4	540mm	add 25mm	565mm
2	0	600mm	add 25mm	625mm
2	1	660mm	add 25mm	685mm
2	2	720mm	add 25mm	745mm
2	3	780mm	add 25mm	805mm
2	4	840mm	add 25mm	865mm
3	0	900mm	add 25mm	925mm
3	1	960mm	add 25mm	985mm
3	2	1020mm	add 25mm	1045mm
3	3	1080mm	add 25mm	1105mm
3	4	1140mm	add 25mm	1165mm
4	0	1200mm	add 25mm	1225mm
4	1	1260mm	add 25mm	1285mm
4	2	1320mm	add 25mm	1345mm
4	3	1380mm	add 25mm	1405mm
4	4	1440mm	add 25mm	1465mm
5	0	1500mm	add 25mm	1525mm
5	1	1560mm	add 25mm	1585mm
5	2	1620mm	add 25mm	1645mm
5	3	1680mm	add 25mm	1705mm
5	4	1740mm	add 25mm	1765mm
6	0	1800mm	add 25mm	1825mm
6	1	1860mm	add 25mm	1885mm
6	2	1920mm	add 25mm	1945mm
6	3	1980mm	add 25mm	2005mm
6	4	2040mm	add 25mm	2065mm
7	0	2100mm	add 25mm	2125mm

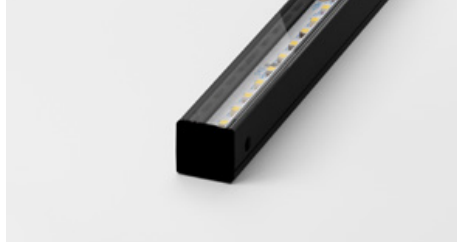
Confirm Interstate Courier Compliance

Custom Length subject to availability

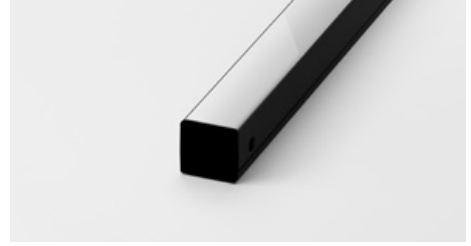


■ PROFILE /  
DIFFUSER

**SC** • Standard Profile Clear



**SD** • Standard Profile Diffused



■ PROFILE /  
DIFFUSER

**BLK** • Black (Standard)



**GRY** • Grey


















**CST** • Custom Colour \*



\* Custom colours available on request.

## WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	FEMALE	MALE
WR2OS Wire 2 Core One Side			
WR2BS Wire 2 Core Both Sides			
OC2MO Outdoor Connector 2pin Male Only			
OC2FO Outdoor Connector 2pin Female Only			
OC2MF Outdoor Connector 2pin Male + Female			
SMPLOC Sample Type Connector 2.5mm 			

- Typical Loom Length 100 ~ 250mm.
- For detailed information on Outdoor IP67 connector please contact Coolon.
- Extension cables between LED fittings and driver or PSU is based on: LED load, outdoor or indoor applications. Please consult Coolon for details.

WIRING COLOUR CODE	
Red	+ VDC
Black	GND

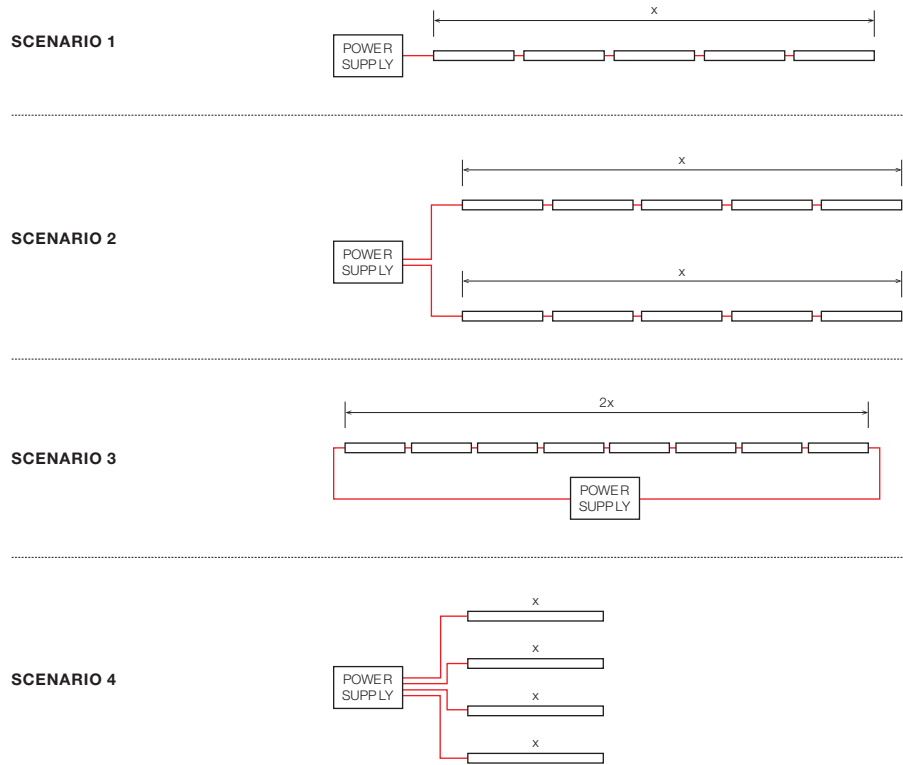
## IP RATING

**IP40** \*

Protected against solid objects greater than 1mm. No protection against liquids.



■ INSTALLATION LIMITS



**MAX. CONTINUOUS CONNECTION LENGTH (X) CONNECTOR TYPE**

7700 mm	With standard 2 core connectors (WR2OS / WR2BS)
4600 mm	With upgraded outdoor 2 pin connectors (OC2MO / OC2FO / OC2MF)

- Extension cables between LED fittings and driver or PSU is based on: LED load, outdoor or indoor applications. Please consult Coolon for details.

**⚠ WARNING**

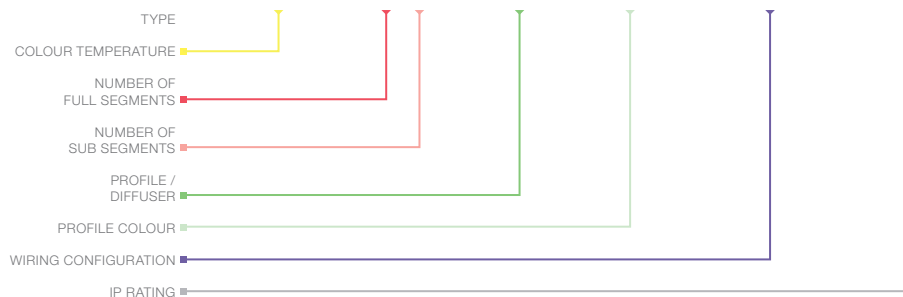
Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

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## ORDERING EXAMPLE

**STR - SLIM UG - 3.0K - S2A1 - SD - BLK - WR2BS - IP40**



### COLOUR TEMPERATURE PAGE 04

2.7K	2700K
3.0K	3000K
3.5K	3500K
4.0K	4000K

### PRODUCT LENGTH PAGE 06

FULL SEGMENTS	SUB SEGMENTS
S1	A0
S2	A1
S3	A2
S4	A3
S5	A4
S6	
S7	

### PROFILE / DIFFUSER PAGE 07

SC	Standard Profile Clear
SD	Standard Profile Diffused

### PROFILE COLOUR \* PAGE 07

BLK	Black (Standard)
GRY	Grey
CST	Custom Colour

### WIRING CONFIGURATION PAGE 08

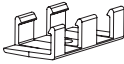
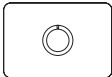



WR2OS	Wire 2 Core One Side
WR2BS	Wire 2 Core Both Sides
OC2MO	Outdoor Connector 2 pin Male Only
OC2FO	Outdoor Connector 2 pin Female Only
OC2MF	Outdoor Connector 2 pin Male + Female
SMPLC	Sample Type Connector 2.5mm

### IP RATING PAGE 08

IP40

\* Custom colours available on request.

## ■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
<b>MOUNTING CLIP</b>		
	MC-1106-BK	Slim Mounting Clip Black
	MC-1106-GR	Slim Mounting Clip Grey
	MC-1106-WH	Slim Mounting Clip White
<b>CONTROLLER</b>		
	CTR-PWM-10A	Coolon Wall Dimmer with 10A PWM Output
<b>DRIVER</b>		
	DRV-DALI-1X5A	Indoor DALI Point 1 channel Driver 5A
	DRV-DALI-IP1X10A	Outdoor DALI Point 1 channel Driver 10A
<b>POWER SUPPLY FOR INDOOR USE</b>		
	PWR-PLN20-24V	Mean Well Power Supply PLN 20W 24V IP64 + Flex & Plug
	PWR-PLN30-24V	Mean Well Power Supply PLN 30W 24V IP64 + Flex & Plug
	PWR-PLN60-24V	Mean Well Power Supply PLN 60W 24V IP64 + Flex & Plug
	PWR-PLN100-24V	Mean Well Power Supply PLN 100W 24V IP64 + Flex & Plug
<b>POWER SUPPLY FOR OUTDOOR USE (IP67)</b>		
	PWR-HLG40-24V	Mean Well Power Supply HLG 40W 24V IP67
	PWR-HLG60-24V	Mean Well Power Supply HLG 60W 24V IP67
	PWR-HLG100-24V	Mean Well Power Supply HLG 100W 24V IP67
	PWR-HLG150-24V	Mean Well Power Supply HLG 150W 24V IP67
	PWR-HLG185-24V	Mean Well Power Supply HLG 185W 24V IP67
	PWR-HLG240-24V	Mean Well Power Supply HLG 240W 24V IP67
	PWR-HLG320-24V	Mean Well Power Supply HLG 320W 24V IP67