

SLIM

LED STRIP STR-SLIM UG





The Slim LED strip is packaged into a very small, discrete and elegant aluminium extrusion, which allows it to be used in tight and unassuming locations.

Divisible every 60mm and featuring high power micro LEDs, the Slim is completely uniform in appearance making it ideal for joinery / cabinetry and direct lighting applications.

POWER

12W

12.4W / metre

LUMINOUS FLUX



SD - 200 lm / metre

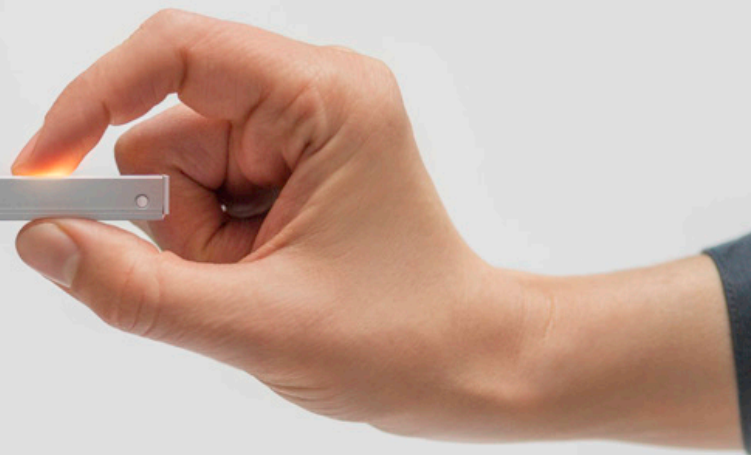
COLOUR TEMPERATURE

2700K

3000K

3500K

4000K



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.



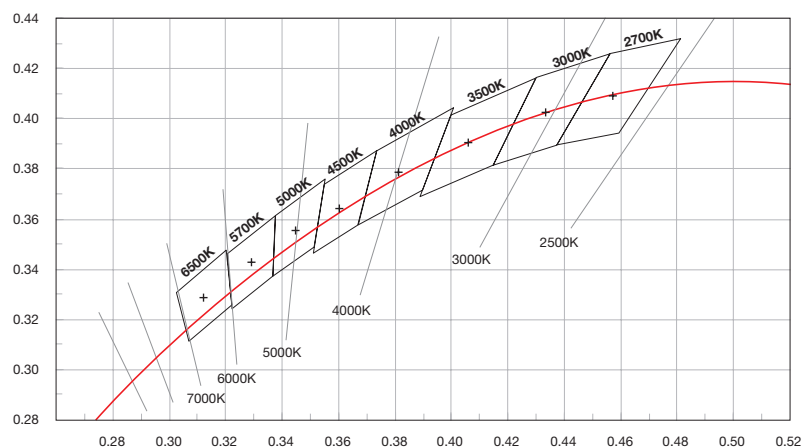
PROUDLY MADE IN AUSTRALIA

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

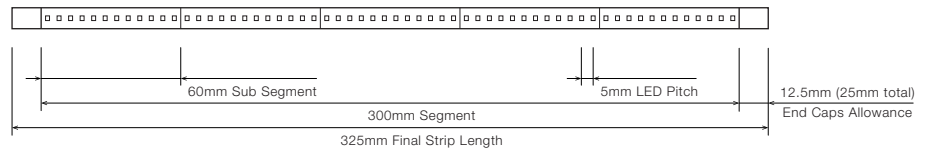
Product Code	STR-SLIM UG
Description	Slim Compact LED Strip
Segment Length (S)	300mm
Sub-Segment Length (A)	60mm
Number of Sub-Segments	5
Segment Width	7.50mm
LED Pitch	5.00mm
LEDs Per Segment	60
LEDs Per Sub Segment	12
Operating Voltage	24VDC
Typical Power Consumption per Segment	3.72W per 300mm Segment
Typical Power Consumption per Metre	12.4W per metre
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	No
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



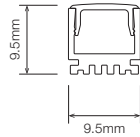
■ DIMENSIONS

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



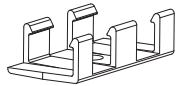
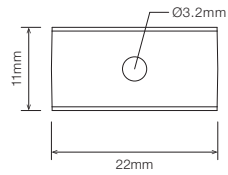
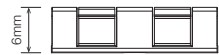
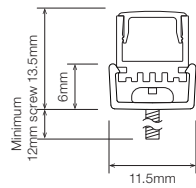
STANDARD PROFILE

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	1,020mm	add 25mm	1,045mm
3	3	1,080mm	add 25mm	1,105mm
3	4	1,140mm	add 25mm	1,165mm
4	0	1,200mm	add 25mm	1,225mm
4	1	1,260mm	add 25mm	1,285mm
4	2	1,320mm	add 25mm	1,345mm
4	3	1,380mm	add 25mm	1,405mm
4	4	1,440mm	add 25mm	1,465mm
5	0	1,500mm	add 25mm	1,525mm
5	1	1,560mm	add 25mm	1,585mm
5	2	1,620mm	add 25mm	1,645mm
5	3	1,680mm	add 25mm	1,705mm
5	4	1,740mm	add 25mm	1,765mm
6	0	1,800mm	add 25mm	1,825mm
6	1	1,860mm	add 25mm	1,885mm
6	2	1,920mm	add 25mm	1,945mm
6	3	1,980mm	add 25mm	2,005mm
6	4	2,040mm	add 25mm	2,065mm
7	0	2,100mm	add 25mm	2,125mm

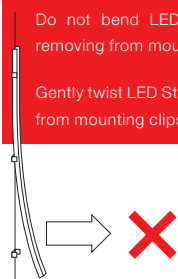
Confirm Interstate Courier Compliance

Custom Length subject to availability

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

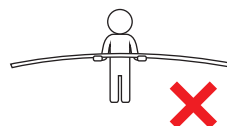
Gently twist LED Strip to remove from mounting clips.



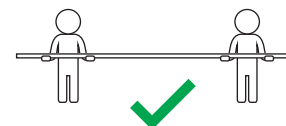
⚠ WARNING

PLEASE HANDLE LONG LED STRIPS WITH CARE.

LED Strips must not be bent.



When handling LED Strips, please ensure that they are kept straight.



■ PROFILE /
DIFFUSER

SD • Standard Profile Diffused

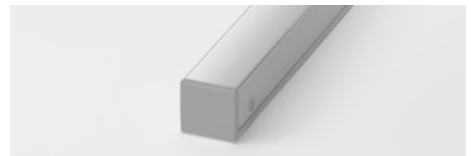


■ PROFILE /
DIFFUSER

BLK • Black (Standard)



GRY • Grey













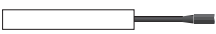



CST • Custom Colour *



* 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 Connector 2pin Male Only			
OC2FO Connector 2pin Female Only			
OC2MF Connector 2pin Male + Female			
SMPLC Sample Type Connector 2.5mm			

Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

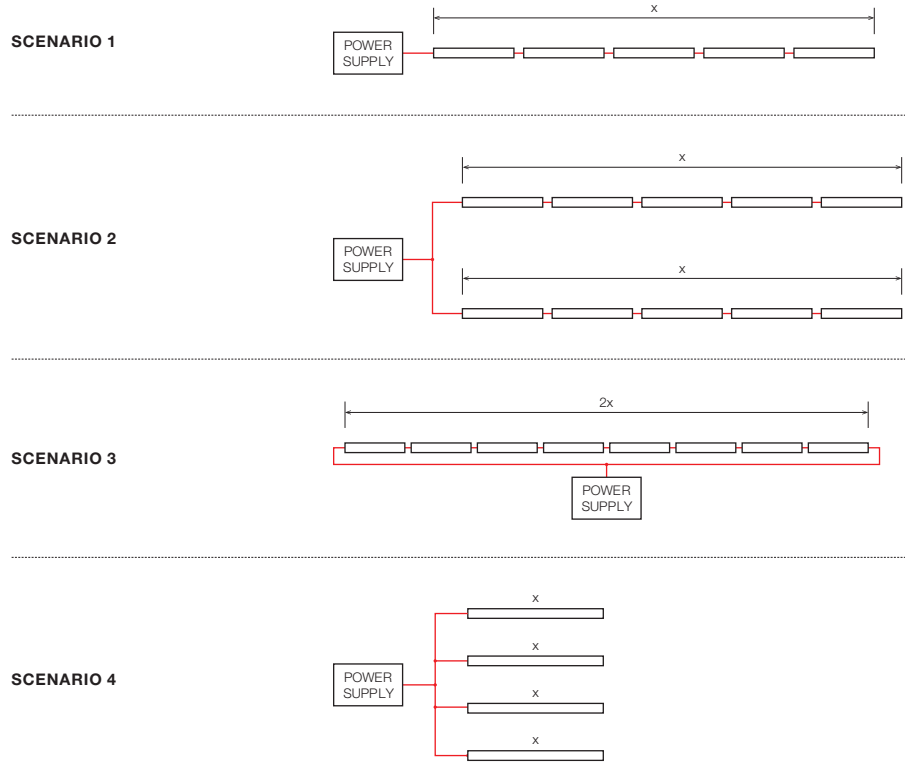
WIRING COLOUR CODE	
Red	+ VDC
Black	GND

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 2 pin connectors (OC2MO / OC2FO / OC2MF)

■ Please consult Coolon for details on extension cable between LED fittings, drivers and power supplies.

⚠ WARNING

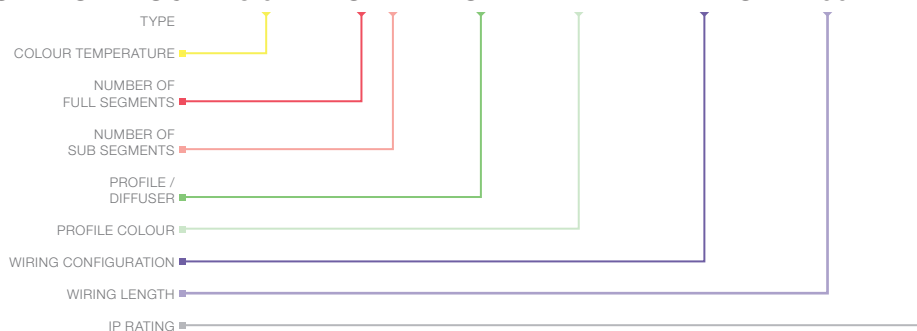
Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

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ORDERING EXAMPLE

STR - SLIM UG - 3.0K - S2A1 - SD - BLK - WR2BS - 100 - 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

SD	Standard Profile Diffused
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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	Connector 2 pin Male Only
OC2FO	Connector 2 pin Female Only
OC2MF	Connector 2 pin Male + Female
SMPLC	Sample Type Connector 2.5mm

WIRING LENGTH PAGE 08

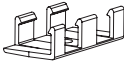

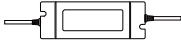

100	100mm
250	250mm
500	500mm
1000	1000mm

IP RATING PAGE 08

IP40	Indoor use
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* Custom colours available on request.

■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
MOUNTING CLIP		
	MC-1106-BK	Slim Mounting Clip Black
	MC-1106-GR	Slim Mounting Clip Grey
	MC-1106-WH	Slim Mounting Clip White
DRIVER		
	DRV-DALIPOINT-1X5A	DALI 5 Amps 1 Channel LED Driver
	DRV-DALIPOINT-IP1X10A	DALI 10 Amps 1 Channel Outdoor LED Driver
	DRV-DIMMERPOINT-1X10A	Rotary Wall-Mount LED Driver
	DRV-RDM-P4	DMX/RDM 4 Channel LED Driver
	DRV-RDM-IP-P4	Outdoor DMX/RDM 4 Channel LED Driver
	DRV-OT-DIM 0-10V	1 – 10V, 5A LED Driver
POWER SUPPLY FOR INDOOR USE		
	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
POWER SUPPLY FOR OUTDOOR USE (IP67)		
	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