



# SHIFT 2

LED Strip





The Shift 2 LED strip with variable CCT dimming simulates the behaviour of an incandescent light source by becoming warmer as it dims.

Each LED segment (500mm) features 48 micro LEDs and can be divided in to 4 sub-segments of 125mm. As you dim the LED Strip, the CCT shifts from 2800k down to 1600k.



**P17D** · P17 Profile Diffused

#### LUMINOUS FLUX

330 lm / Meter



#### POWER

15.9W / Meter



#### COLOUR TEMPERATURE

1600K ~ 2800K



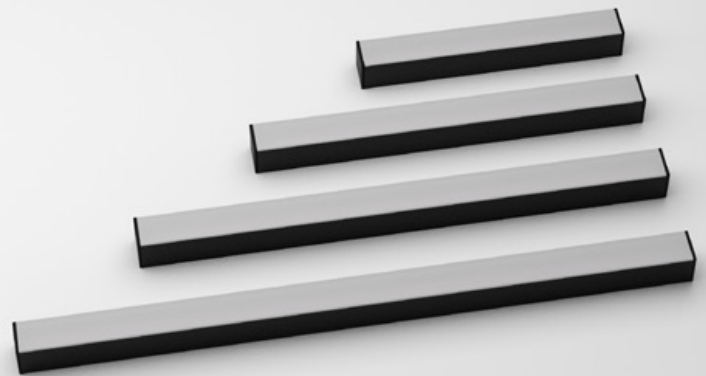


## CCT SHIFT

The Shift 2 LED Strip is unique in the way it behaves as you dim. The Shift 2 is designed to simulate the behaviour of an incandescent light source by becoming warmer as it dims. The Shift 2 dims from a warm white colour temperature of 2800k down to 1600k.

## VERSATILE LENGTH OPTIONS

Versatile length options allows the user to achieve much more accurate and adaptable lengths. The Shift 2 is able to achieve any desired length within a 125mm increment. Each segment of 500mm features 48 micro LEDs and can be further divided into 4 Sub-segments of 125mm.



### 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.

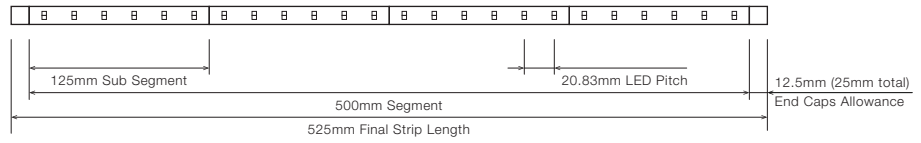
## ■ TECHNICAL SPECIFICATIONS

Product Code	STR-SHIFT2
Description	Selectable CCT Change LED Strips
Segment Length (S)	500mm
Sub-Segment Length (A)	125mm
Number of Sub-Segments	4
Segment Width	12.50mm
LED Pitch	20.83mm
LEDs Per Segment	24 x 2
LEDs Per Sub Segment	6 x 2
Operating Voltage	24VDC
Typical Power Consumption per Segment	7.95W per 500mm Segment
Typical Power Consumption per Meter	15.9W per Meter
Typical Current	330mA per 500mm Segment
Colour Rendering Index (CRI)	Not Applicable
Dimmable	PWM Logic (Dual Control)
Effective Beam Angle	110°
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

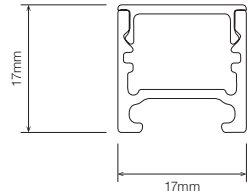


■ DIMENSIONS

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

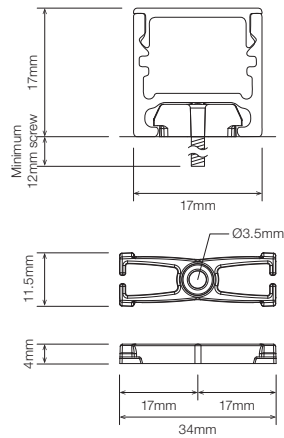


**P17 PROFILE**

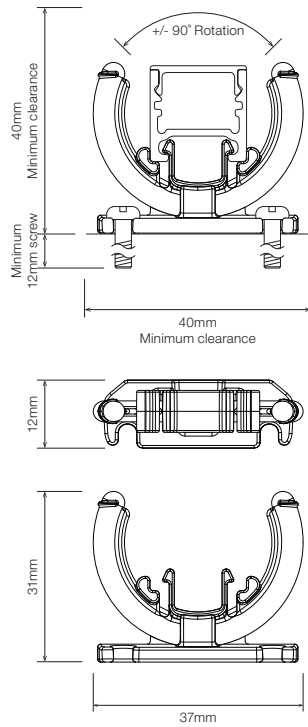


P17 Profile available in IP40 only

**WITH MOUNTING X-CLIP**



**WITH ROTATING CLIP**



## PRODUCT LENGTH

FULL SEGMENTS	SUB SEGMENTS	EXACT STRIP LENGTH	END CAP ALLOWANCE	FINAL LENGTH
0	1	125mm	add 25mm	150mm
0	2	250mm	add 25mm	275mm
0	3	375mm	add 25mm	400mm
1	0	500mm	add 25mm	525mm
1	1	625mm	add 25mm	650mm
1	2	750mm	add 25mm	775mm
1	3	875mm	add 25mm	900mm
2	0	1000mm	add 25mm	1025mm
2	1	1125mm	add 25mm	1150mm
2	2	1250mm	add 25mm	1275mm
2	3	1375mm	add 25mm	1400mm
3	0	1500mm	add 25mm	1525mm
3	1	1625mm	add 25mm	1650mm
3	2	1750mm	add 25mm	1775mm
3	3	1875mm	add 25mm	1900mm
4	0	2000mm	add 25mm	2025mm
4	1	2125mm	add 25mm	2150mm
4	2	2250mm	add 25mm	2275mm
4	3	2375mm	add 25mm	2400mm
5	0	2500mm	add 25mm	2525mm
5	1	2625mm	add 25mm	2650mm
5	2	2750mm	add 25mm	2775mm
5	3	2875mm	add 25mm	2900mm
6	0	3000mm	add 25mm	3025mm
6	1	3125mm	add 25mm	3150mm
6	2	3250mm	add 25mm	3275mm
6	3	3375mm	add 25mm	3400mm

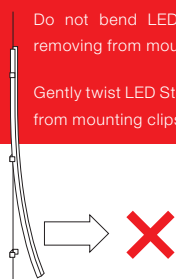
Confirm Interstate Courier Compliance

Custom Length subject to availability

### ⚠ WARNING

Do not bend LED strip when removing from mounting clips.

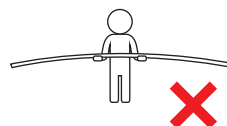
Gently twist LED Strip to remove from mounting clips.



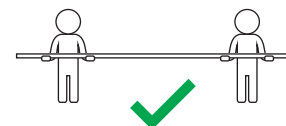
### ⚠ WARNING

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

**P17D** · P17 Profile Diffused \*



■ PROFILE  
COLOUR

Profile colour applicable to P17 only.

**BLK** · Black (Standard)



**WHT** · White








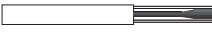

**CST** · Custom Colour \*\*



\* P17 Profile available in IP40 only.

\*\* Custom colours available on request.

## WIRING CONFIGURATION

CONNECTOR TYPE	DRAWING	FEMALE	MALE
WR2.2OS Wire 2.2 Core One Side			
WR2.2BS Wire 2.2 Core Both Sides			
SMPLC.2 Sample Type Connector 2.5mm eee + Wire 2 Core One Side			

- 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
White	Dimming

## IP RATING

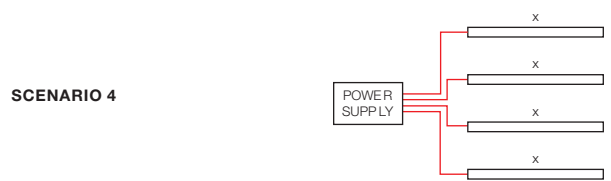
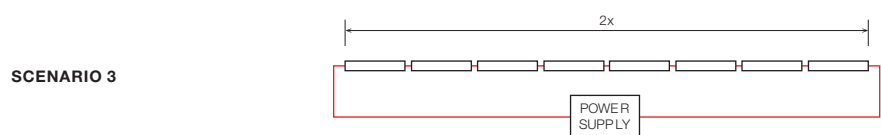
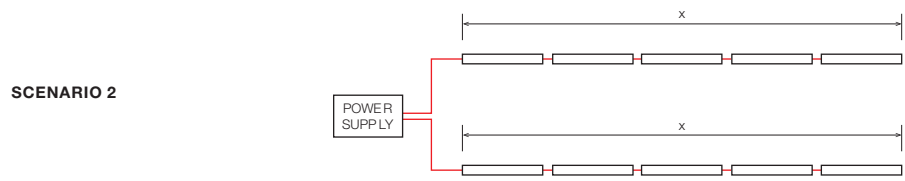
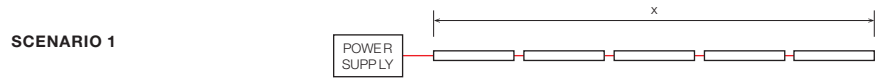
**IP40** \*

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

\* P17 Profile available in IP40 only.



■ INSTALLATION LIMITS



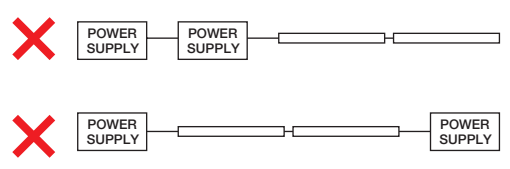
**MAX. CONTINUOUS CONNECTION LENGTH (X) CONNECTOR TYPE**

7200 mm With standard 2+2 core (WR2.2OS / WR2.2BS)

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

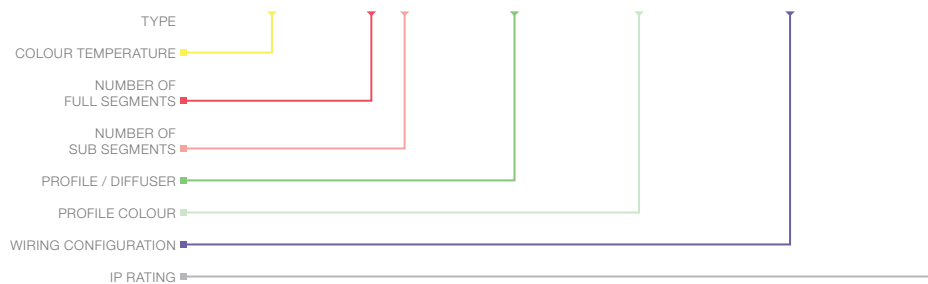
**⚠ WARNING**

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



## ORDERING EXAMPLE

### STR - SHIFT2 - 1.6K - S2A1 - P17D - BLK\* - WR2.2BS - IP40



#### ■ COLOUR TEMPERATURE PAGE 04

1.6K	1600K ~ 2800K
2.0K	2000K ~ 3200K
2.7K	2700K ~ 4000K

#### ■ PRODUCT LENGTH PAGE 06

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

#### ■ PROFILE / DIFFUSER PAGE 07

P17D	P17 Profile Diffused
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#### ■ PROFILE COLOUR \* PAGE 07

BLK	Black (Standard)
WHT	White
CST	Custom Colour

#### ■ WIRING CONFIGURATION PAGE 08


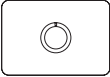



WR2.2OS	Wire 2+2 Core One Side
WR2.2BS	Wire 2+2 Core Both Sides
SMPLC.2	Sample Type Connector 2.5mm

#### ■ IP RATING PAGE 08

IP40	
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\* Profile colour applicable to P17 only. Custom colours available on request.

## ■ ACCESSORIES

	PRODUCT CODE	DESCRIPTION
<b>MOUNTING CLIP</b>		
	MC-XCLIP	Flat Mount X-clip for P17 Profile
<b>CONTROLLER</b>		
	DMC-010-A2PWM	Analogue to PWM converter for 0-10V dimming signal
	CTR-UNI-DIMMER	Coolon Universal Wall Dimmer with 0-10V and PWM Logic Output
<b>DRIVER</b>		
	DRV-DALI-LOGIC	Indoor DALI Point 1 channel Driver with PWM Logic Output
	DRV-DALI-IP-LOGIC	Outdoor DALI Point 1 channel Driver with PWM Logic Output
<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