

SHIFT 2

LED STRIP STR-SHIFT 2





The Shift 2 LED strip combines the versatility of two LED strips into one slimline package.

The Shift 2 allows Coolon to populate the LED strip with either two different colour temperatures or static white with a static colour alongside it.

Controlling the brightness of each channel independently allows a vast number of permutations.

Mix and match as you please.

POWER

15W

15.9W / metre

LUMINOUS FLUX



P17D · Varies with colour

COLOUR TEMPERATURE

2700K

2900K

3100K

3900K

4200K

4700K

5200K

6700K

COLOURS

Blue

Green

Red

Amber

Yellow



MIX & MATCH

The Shift 2 allows Coolon to populate the LED strip with either two different colour temperatures or static white with a static colour alongside it.

Controlling the brightness of each channel independently allows a vast number of permutations.

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

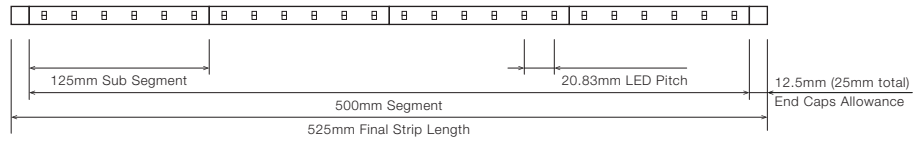
Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

■ TECHNICAL SPECIFICATIONS

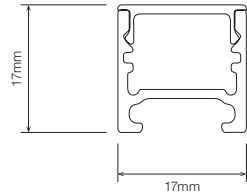
| | |
|-------------------------------------|--|
| Product Code | STR-SHIFT2 |
| Description | Selectable CCT Change LED Strips |
| Segment Length (S) | 500mm |
| Sub-Segment Length (A) | 125mm |
| Number of Sub-Segments | 4 |
| Segment Width | 12.50mm |
| LED Pitch | 20.83mm |
| LEDs Per Segment | 24 x 2 |
| LEDs Per Sub Segment | 6 x 2 |
| Operating Voltage | 24VDC |
| Typical Power Consumption per Metre | 15.9W per metre |
| Colour Rendering Index (CRI) | Not Applicable |
| Dimmable | Through CTR-DALILOGIC or CTR-DIMMERLOGIC dual control (sold separately) |
| Effective Beam Angle | 110° |
| External Heatsink Required | No |
| Ambient Operating Temp | Ta -40°C to 50°C |
| Thermal Management | 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.

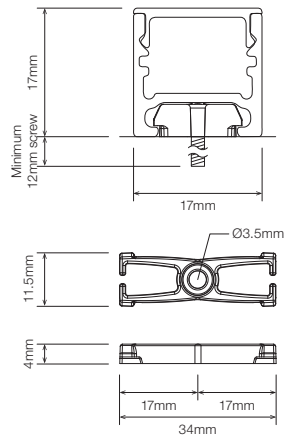


P17 PROFILE

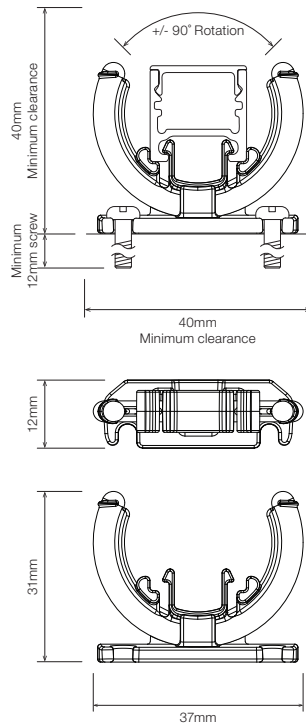


P17 Profile available in IP40 only

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 |

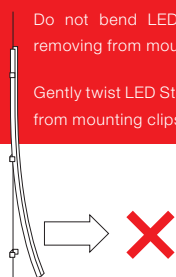
Confirm Interstate Courier Compliance

Custom Length subject to availability

⚠ WARNING

Do not bend LED strip when removing from mounting clips.

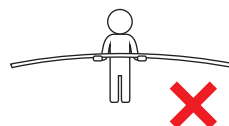
Gently twist LED Strip to remove from mounting clips.



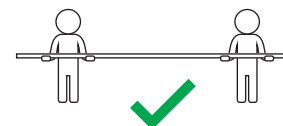
⚠ WARNING

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 |

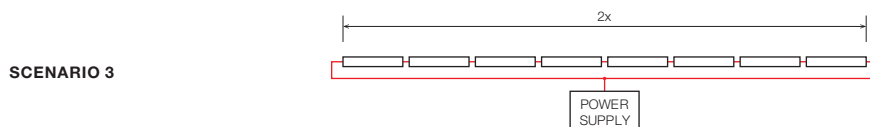
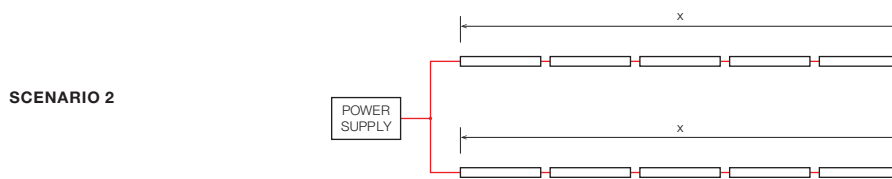
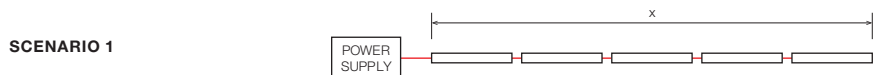
IP RATING

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

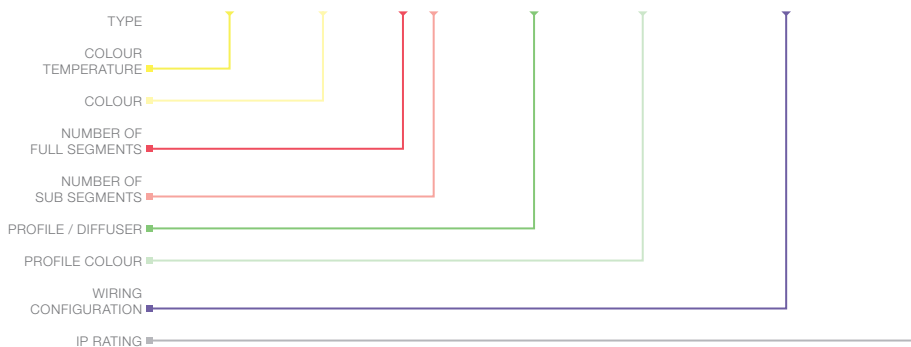
Avoid connecting multiple power supplies into a single circuit, unless they are specifically designed to do so.

✗

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ORDERING EXAMPLE

STR - SHIFT2 - 2.7K - BL - S2A1 - P17D - BLK* - WR2.2BS - IP40



COLOUR TEMPERATURE PAGE 04

| | |
|------|-------|
| 2.7K | 2700K |
| 2.9K | 2900K |
| 3.1K | 3100K |
| 3.9K | 3900K |
| 4.2K | 4200K |
| 4.7K | 4700K |
| 5.2K | 5200K |
| 6.7K | 6700K |

COLOUR

| | |
|----|--------|
| BL | Blue |
| GR | Green |
| RD | Red |
| AM | Amber |
| YL | Yellow |

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 |
|------|----------------------|

PROFILE COLOUR * PAGE 07

| | |
|-----|------------------|
| BLK | Black (Standard) |
| WHT | White |
| CST | Custom Colour |

WIRING CONFIGURATION PAGE 08


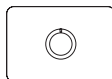
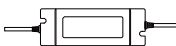

| | |
|---------|-----------------------------|
| WR2.2OS | Wire 2+2 Core One Side |
| WR2.2BS | Wire 2+2 Core Both Sides |
| SMPLC.2 | Sample Type Connector 2.5mm |

IP RATING PAGE 08

| |
|------|
| IP40 |
|------|

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

■ ACCESSORIES

| | PRODUCT CODE | DESCRIPTION |
|---|------------------|---|
| MOUNTING CLIP | | |
|  | MC-XCLIP | Flat Mount X-clip for P17 Profile |
| | MC-P17R | Rotating Clip Mount for P17 Profile |
| CONTROLLER | | |
|  | CTR-A2PWM 0-10V | 0 – 10V A2PWM Converter |
| | CTR-DIMMERLOGIC | Rotary Wall-Mount LED Controller |
| | CTR-DALILOGIC | DALI to 1 Channel PWM Brightness Controller |
| | CTR-DALILOGIC-IP | DALI to 1 Channel PWM Brightness Outdoor Controller |
| POWER SUPPLY FOR INDOOR USE | | |
|  | PWR-PLN20-24V | Mean Well Power Supply PLN 20W 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 |