

The logo for Ansell Lighting, featuring the brand name in a stylized white font on a dark red rounded rectangular background.

**Ansell**  
LIGHTING

**LED-CELL**  
*STRIP*

With a massive number of possibilities to choose from, our extensive range of **LED-CELL** strips cater for **every application**. The below step-by-step guide makes the process of selecting the strip you need, nice and simple.

## 1 CODE PART 1: STRIP MODEL/RANGE

Part 1 of our coding system is the model, or sometimes referred to as range. Reading through pages 4 to 17 will get you familiar with our ranges and give you a better idea of the range most suited to your installation. Our ranges are: COB C-CELL, ECO E-CELL, DIM-TO-WARM D-CELL, HIGH EFFICIENCY H-CELL, SINGLE CUT K-CELL, PROFESSIONAL P-CELL, ULTRA-LONG U-CELL and IRREGULAR BEND Z-CELL.

The first part of our coding system starts with the letter of each CELL. For example for C-CELL, the first part of the code would be 'C' followed by a '/'.

MODEL		MODEL														
C	COB	MODEL	VOLTAGE	POWER / OUTPUT	IP RATING	COLOUR	COLOUR TEMP	LENGTH (M)	REVISION							
		C	COB	24	24V	03	10W/m	20	IP20	01	White	22	2200K	S01	5m	01
								67	IP67			27	2700K	S02	10m	
												30	3000K	S05	50m	
												40	4000K			
												65	6500K			

## 2 CODE PART 2: VOLTAGE

Part 2 of the coding system is the voltage. All strip ranges, aside from U-CELL (which is 48V as standard) are 24V, so the next part of the code would be '24' (or '48' for any U-CELL strip). Following on from the previous step, your code so far would be C/24.

VOLTAGE		MODEL														
24	24V	MODEL	VOLTAGE	POWER / OUTPUT	IP RATING	COLOUR	COLOUR TEMP	LENGTH (M)	REVISION							
		C	COB	24	24V	03	10W/m	20	IP20	01	White	22	2200K	S01	5m	01
								67	IP67			27	2700K	S02	10m	
												30	3000K	S05	50m	
												40	4000K			
												65	6500K			

## 3 CODE PART 3: POWER/OUTPUT

Part 3 of the coding system is the power/output. Some strip ranges offer various power/output options. These options are indicated by a number, and the associated wattage per metre is shown in the description alongside. In the below example, '03' indicates 10W per metre. Following on from the previous step, your code would now be C/24/03. Please note, other ranges will have more wattage options to choose from.

POWER / OUTPUT		MODEL														
03	10W/m	MODEL	VOLTAGE	POWER / OUTPUT	IP RATING	COLOUR	COLOUR TEMP	LENGTH (M)	REVISION							
		C	COB	24	24V	03	10W/m	20	IP20	01	White	22	2200K	S01	5m	01
								67	IP67			27	2700K	S02	10m	
												30	3000K	S05	50m	
												40	4000K			
												65	6500K			

## 4 CODE PART 4: IP RATING

Part 4 of the coding system is the IP rating, and each range will offer various IP ratings, and some only one option. The code for IP rating is the same as the number rating itself, for example the code for IP20 strip would be '20'. Following on the from previous step, your code would now be C/24/03/20.

IP RATING		MODEL		VOLTAGE		POWER / OUTPUT		IP RATING		COLOUR		COLOUR TEMP		LENGTH (M)		REVISION
		C	COB	24	24V	03	10W/m	20	IP20	01	White	22	2200K	S01	5m	01
20	IP20							67	IP67			27	2700K	S02	10m	
												30	3000K	S05	50m	
												40	4000K			
												65	6500K			

## 5 CODE PART 5: COLOUR

Part 5 of the coding system is the colour, and each range will offer various colour options. The colour refers to if the strip is singular white, tunable white, RGB or RGBW and these options are indicated by a number, and the associated colour is shown in the description alongside. In the below example, '01' indicates a white colour. Following on the from previous step, your code would now be C/24/03/01.

COLOUR		MODEL		VOLTAGE		POWER / OUTPUT		IP RATING		COLOUR		COLOUR TEMP		LENGTH (M)		REVISION
		C	COB	24	24V	03	10W/m	20	IP20	01	White	22	2200K	S01	5m	01
01	White							67	IP67			27	2700K	S02	10m	
												30	3000K	S05	50m	
												40	4000K			
												65	6500K			

## 5 CODE PART 6: COLOUR TEMPERATURE

Part 6 of the code is the correlated colour temperature, or CCT more popularly, and each range will offer various CCT options. The code for a specific CCT is the same as the first 2 numbers of it's numerical value, for example the code for 2200K strip would be '22'. Following on the from previous step, your code would now be C/24/03/20/01/22.

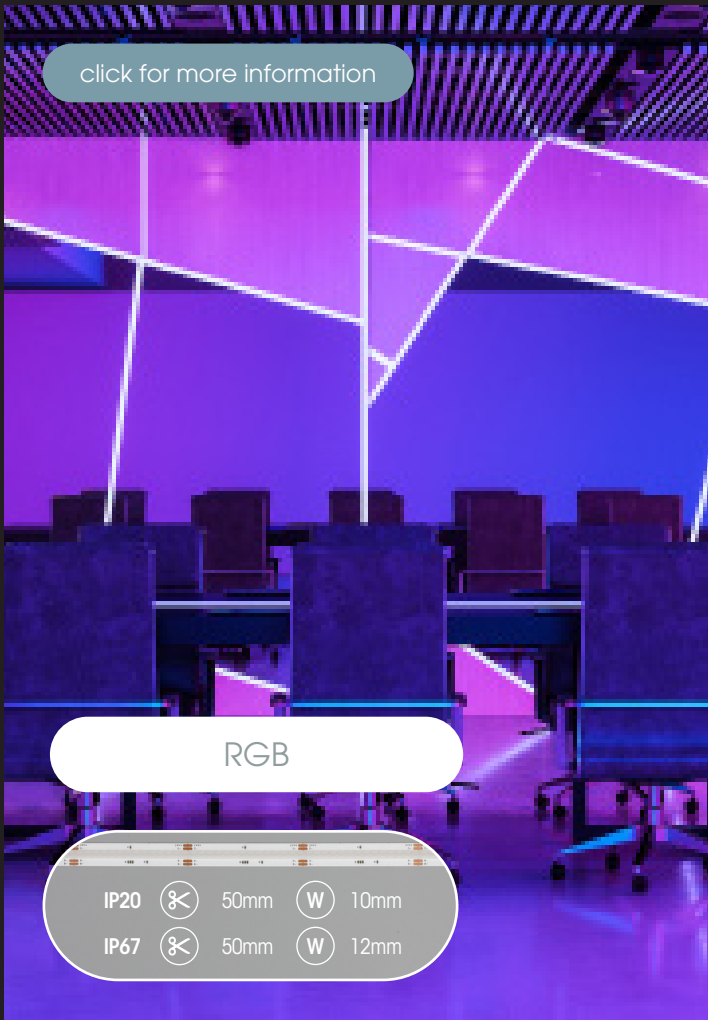
COLOUR TEMP		MODEL		VOLTAGE		POWER / OUTPUT		IP RATING		COLOUR		COLOUR TEMP		LENGTH (M)		REVISION
		C	COB	24	24V	03	10W/m	20	IP20	01	White	22	2200K	S01	5m	01
22	2200K							67	IP67			27	2700K	S02	10m	
												30	3000K	S05	50m	
												40	4000K			
												65	6500K			

## 6 CODE PART 7: LENGTH OF STRIP

Part 7 of the code is the strip length, and each range will offer various length options. These options are indicated by a number, and the associated length is shown in the description alongside. In the below example, 'S01' indicates 5 metres. Following on the from previous step, this example code is now complete and would be C/24/03/20/01/22/S01/01.

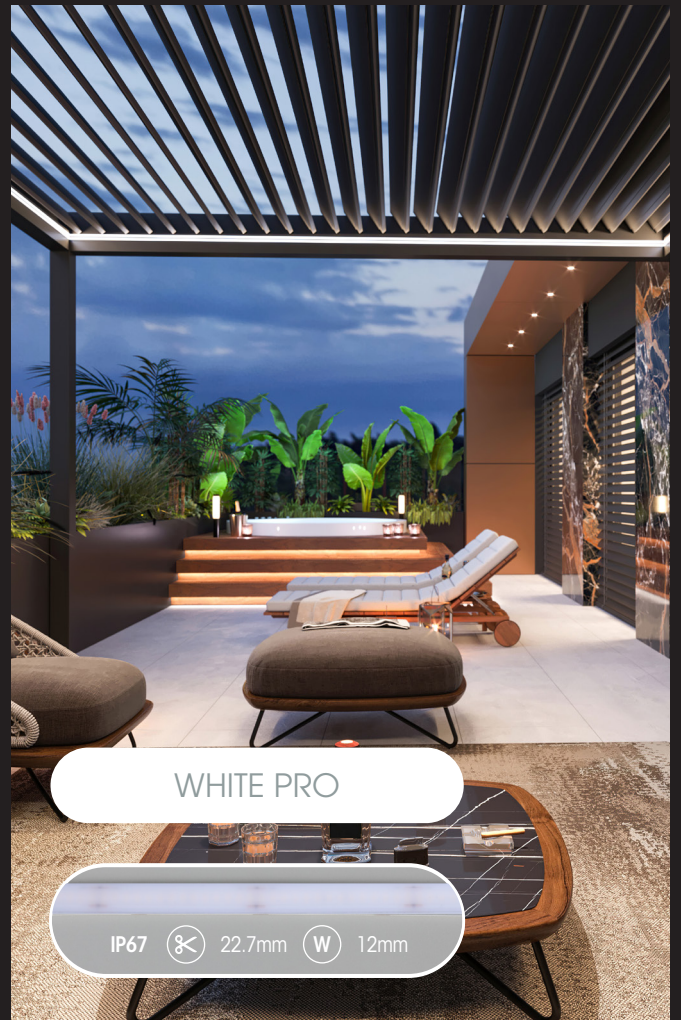
LENGTH (M)		MODEL		VOLTAGE		POWER / OUTPUT		IP RATING		COLOUR		COLOUR TEMP		LENGTH (M)		REVISION
		C	COB	24	24V	03	10W/m	20	IP20	01	White	22	2200K	S01	5m	01
S01	5m							67	IP67			27	2700K	S02	10m	
S02	10m											30	3000K	S05	50m	
S05	50m											40	4000K			
												65	6500K			





RGB

IP20 50mm 10mm  
 IP67 50mm 12mm



WHITE PRO

IP67 22.7mm 12mm



WHITE

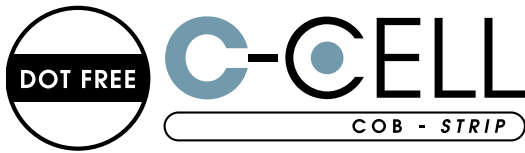
IP20 41.67mm 8mm  
 IP67 41.67mm 10mm

TUNABLE WHITE

IP20 50mm 10mm  
 IP67 50mm 12mm

DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Single CCT	C	24	03	20 / 67	01	22 / 27 / 30 / 40 / 65	S01 / S02 / S05	01
		24V	8W/m	IP20 or IP67	White	2200K or 2700K or 3000K or 4000K or 6500K	5m or 10m or 50m	1
White Pro	C	24	04	67	01	22 / 27 / 30 / 40 / 65	S01 / S02 / S03	01
		24V	14W/m	IP67	White	2200K or 2700K or 3000K or 4000K or 6500K	5m or 10m or 30m	1
Tunable White	C	24	05	20 / 67	02	00	S01 / S02 / S05	01
		24V	15W/m	IP20 or IP67	Tunable White	Tunable White	5m or 10m or 50m	1
RGB	C	24	04	20 / 67	03	00	S01 / S02 / S05	01
		24V	16W/m	IP20 or IP67	RGB	RGB	5m or 10m or 50m	1





Connected by  
**WIZ**

Powered by  
**CASAMBI**

## FEATURES

- Continuous phosphor, uniform dot-free output provides seamless light output for enhanced aesthetic appearance and allows product to be showcased as main lighting source, offering great installation versatility
- Single colour, RGB and tunable white flexible LED strip with self-adhesive back
- Fast fit plug and play connections remove the need for time consuming soldering of joints

### IP20 - Specification Applications

- Residential • Commercial • Hospitality • Retail

#### Examples:

- Kitchens • Under Cupboards • Shelving • Staircases

### IP65 - Specification Applications

- Residential • Commercial • Hospitality • Retail

#### Examples:

- Bathrooms • Decking Patios • Garden Feature Lighting

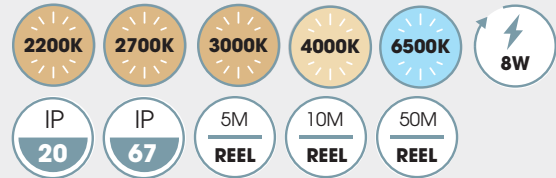
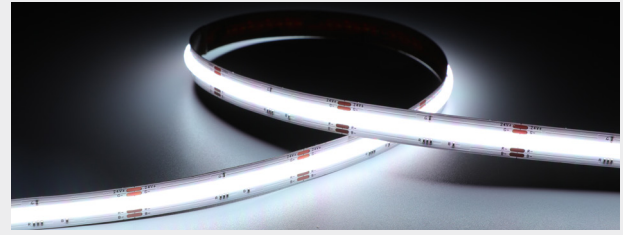
### Technical Information

LEDs per Metre	Up to 840
LED Pitch	N/A
Cutting Unit	From 22.7mm
Input Voltage	24V
Lumens Delivered	560lm - 1400lm
Lm/W (lumen per watt)	Up to 105lm/W
CRI	90
SDCM	3
Lifetime	L70 50,000h
Copper PCB	2oz

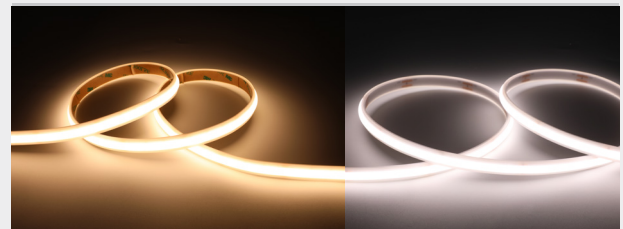
### Recommended Accessories

LED driver to strip connector	A/CCS/20/02/08/01
Strip to strip flexible connector	A/CFC/20/02/08/01
Strip to cable connector	A/CNC/20/02/08/01
DC Cable	A/DC/20/02/01
Driver	AD60/24V
Controller	A/KT/01/01/01
Convert to OCTO (driver)	AOCTOW/12-24V/DIM

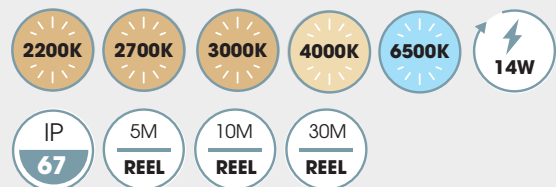
## C-CELL – White



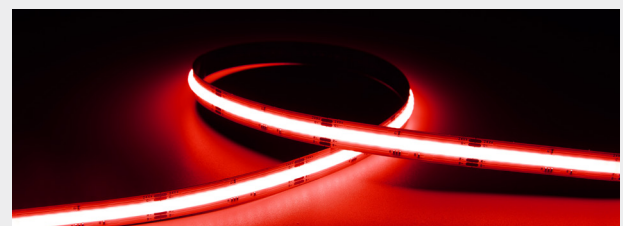
## C-CELL – Tunable White



## C-CELL – White Pro



## C-CELL – RGB



[click for more information](#)



DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Dim-to-Warm	D	24	02	20 / 65 / 67	06	00	S01	01
		24V	9.6W/m	IP20 or IP65 or IP67	Dim-to-Warm	Tunable White	5m	1



# AMBIENT D-CELL

DIM TO WARM - STRIP



OCTO  
Compatible



OCTO  
Compatible

Connected by

WIZ

Powered by

CASAMBI

## FEATURES

- Warm 3000K - 1800K provides great versatility, offering a multi-use solution with one product. The 3000K colour temperature can be utilised for task lighting, but when dimmed and changed to 1800K, the output serves to create a more relaxed and intimate light setting
- Fast fit plug and play connections remove the need for time consuming soldering of joints

### IP20 - Specification Applications

- Residential
- Hospitality

#### Examples:

- Living Areas
- Alcove Lighting
- Ceiling Troffers
- Under Shelving

### IP65 - Specification Applications

- Residential
- Hospitality

#### Examples:

- Garden Feature Lighting
- Outdoor Seating Areas
- Decking and Stairs

### Technical Information

LEDs per Metre	224
LED Pitch	8.34mm
Cutting Unit	62.5 mm
Input Voltage	24V
Lumens Delivered	960lm/m
Lm/W (lumen per watt)	95lm/W
CRI	90
SDCM	3
Lifetime	L70 50,000h
Copper PCB	2oz

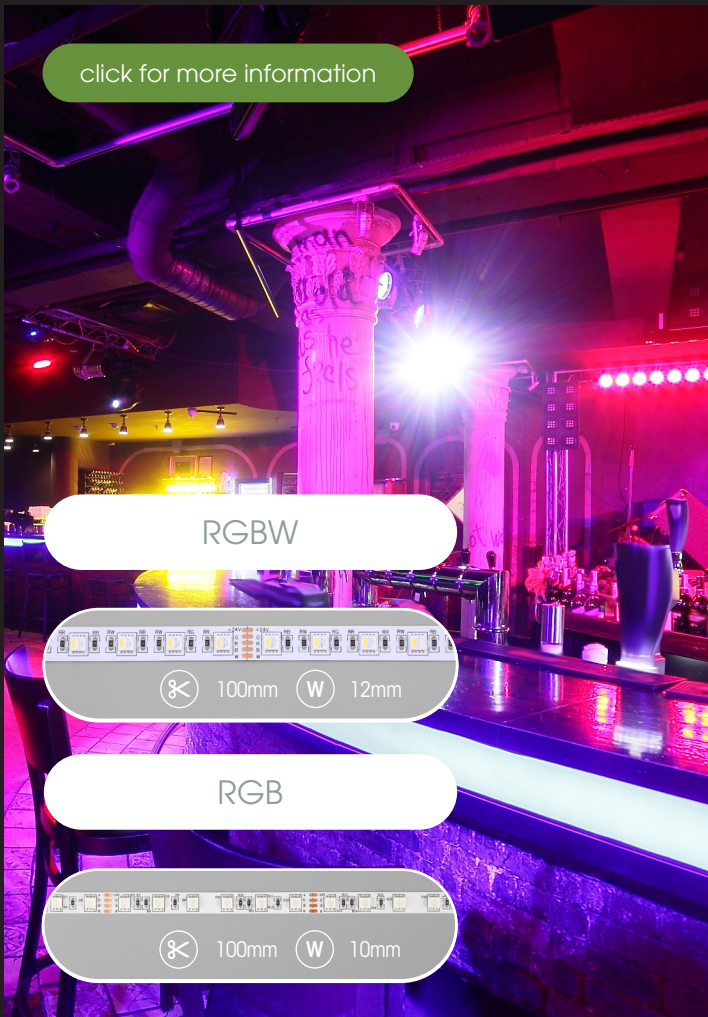
### Recommended Accessories

LED driver to strip connector	A/CS/20/02/12/01
Strip to strip flexible connector	A/FC/20/02/12/01
Strip to cable connector	A/NC/20/02/12/01
DC Cable	A/DC/20/02/01
Aluminium profile	A/AP/PI/03/20/SI/01
Driver	ADDIM75/24V
Convert to OCTO (driver)	AOCTOW/12-24V/DIM

## D-CELL - Dim to Warm







click for more information

RGBW

100mm W 12mm

RGB

100mm W 10mm

## SDCM DID YOU KNOW?

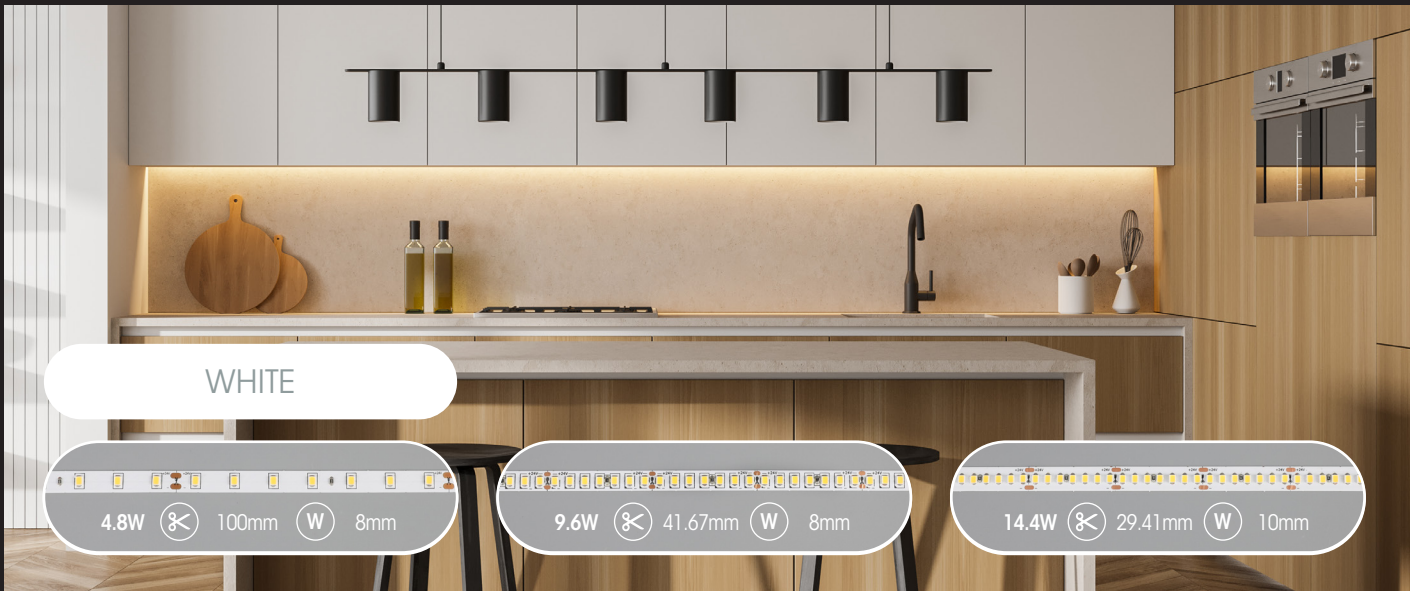
SDCM stands for 'standard deviation colour matching'. It measures the closeness of colour between LEDs on the printed circuit board (PCB). The lower the value, the closer the colour consistency will be.

## COPPER PCB DID YOU KNOW?

The **Copper PCB weight** refers to the thickness of copper used in the printed circuit board (PCB). The higher the weight, the better the performance will be on the LED strip.

## LED PITCH DID YOU KNOW?

The **LED pitch** refers to the distance between LED chips on the printed circuit board (PCB). The closer the distance, the more the light distribution will feel like a seamless light output.



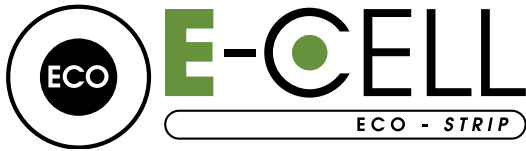
WHITE

4.8W 100mm W 8mm

9.6W 41.67mm W 8mm

14.4W 29.41mm W 10mm

DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Single CCT	E	24	01 / 03 / 04	20 / 65	01	30 / 40 / 65	S01 / S02 / S05	01
		24V	4.8W/m or 9.6W/m or 14.4W/m	IP20 or IP65	White	3000K or 4000K or 6500K	5m or 10m or 50m	1
RGB	E	24	01	20 / 65	03	00	S01 / S02 / S05	01
		24V	10W/m	IP20 or IP65	RGB	RGB	5m or 10m or 50m	1
RGBW	E	24	02	20 / 65	04	30 / 40 / 65	S01 / S02 / S05	01
		24V	16W/m	IP20 or IP65	RGBW	3000K or 4000K or 6500K	5m or 10m or 50m	1



## FEATURES

- High LED density (196 LEDs per metre) provides a uniform output reducing spotting and providing a more seamless output of light compared to traditional LED strips
- Fast fit plug and play connections remove the need for time

### IP20 - Specification Applications

- Residential • Commercial • Hospitality • Retail

#### Examples:

- Kitchens • Under Cupboards • Shelving • Staircases

### IP65 - Specification Applications

- Residential • Commercial • Hospitality • Retail

#### Examples:

- Bathrooms • Decking • Patios • Garden Feature Lighting

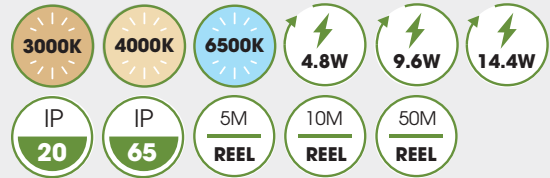
### Technical Information

LEDs per Metre	Up to 196
LED Pitch	5.95mm
Cutting Unit	From 29.41mm
Input Voltage	24V
Lumens Delivered	525lm - 1650lm
Lm/W (lumen per watt)	Up to 115lm/W
CRI	90
SDCM	White 3, RGBW 5
Lifetime	L70 36,000h
Copper PCB	3oz

### Recommended Accessories

LED driver to strip connector	A/CS/20/02/08/01
Strip to strip flexible connector	A/FC/20/02/08/01
Strip to cable connector	A/NC/20/02/08/01
DC Cable	A/DC/20/02/01
Driver	AD60W/24V
Controller	A/KT/01/01/01
Convert to OCTO (driver)	AOCTOW/12-24V/DIM

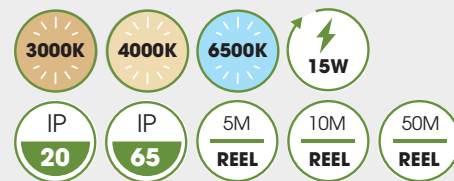
## E-CELL – Single CCT



## E-CELL – RGB



## E-CELL – RGBW

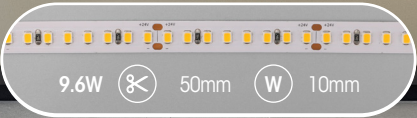




[click for more information](#)

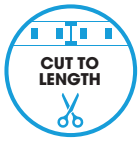


RECEPTION



DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Single	H	24	01 / 03	20 / 65 / 67	01	22 / 27 / 30 / 40 / 65	S01 / S02 / S05	01
CCT		24V	9.6W/m or 19.2W/m	IP20 or IP65 or IP67	White	2200K or 2700K or 3000K or 4000K or 6500K	5m or 10m or 50m	1





## FEATURES

- Super high efficiency (up to 180lm/W delivered) provides great energy saving benefits and can replace existing lighting as main source of light output
- High LED density (Up to 240 LEDs per metre) provides a uniform output reducing spotting and providing a more seamless output of light compared to traditional LED strips, coupled with a high CRI this ensures suitability for use within professional display and high end retail environments

### IP20 - Specification Applications

- High End Residential • Hospitality • Retail

#### Examples:

- As a Main Light Source • Ceiling troffers
- Feature lighting

### IP65 - Specification Applications

- High End Residential • Hospitality • Retail

#### Examples:

- Garden Feature Lighting • Decking
- As a Main Outdoor Lighting Source

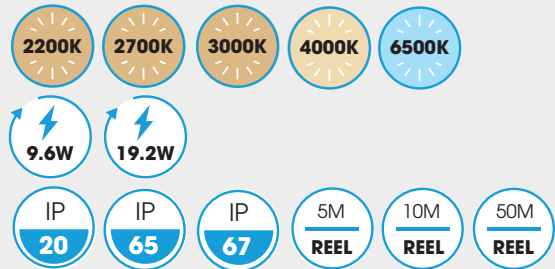
### Technical Information

LEDs per Metre	Up to 240
LED Pitch	5.56mm
Cutting Unit	From 33.33mm
Input Voltage	24V
Lumens Delivered	1440lm - 3500lm
Lm/W (lumen per watt)	Up to 180lm/W
CRI	90
SDCM	4
Lifetime	L70 50,000h
Copper PCB	3oz

### Recommended Accessories

LED driver to strip connector	A/CS/20/02/10/01
Strip to strip flexible connector	A/FC/20/02/10/01
Strip to cable connector	A/NC/20/02/10/01
DC Cable	A/DC/20/02/01
Aluminium profile	A/AP/SM/03/20/SI/01
Driver	AD60W/24V
Controller	A/KT/01/01/01
Convert to OCTO (driver)	AOCTOW/12-24V/DIM



## H-CELL - White





[click for more information](#)



5W  5.55mm  5mm

14.4W  8.33mm  10mm

DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Single CCT	K	24	01 / 03	20 / 67	01	27 / 30 / 40 / 65	S01 / S02 / S05	01
		24V	5W/m or 14.4W/m	IP20 or IP67	White	2700K or 3000K or 4000K or 6500K	5m or 10m or 50m	1





## FEATURES

- Extremely small cutting points (every 5.55mm for 5W, every 8.33mm for 14W) ensures complete control over the exact run length of strip, for applications where accurate and precise light placement is paramount
- High CRI ensures suitability for use within professional display and high end retail environments
- Fast fit plug and play connections remove the need for time consuming soldering of joints

### IP20 - Specification Applications

- High End Residential • Retail • Hospitality

#### Examples:

- Bespoke Sized Shelving • Step Edge
- Alcoves • Display Units

### IP67 - Specification Applications

- High End Residential
- Retail & Commercial Applications • Hospitality

#### Examples:

- Under and above kitchen cupboards and kickboards.

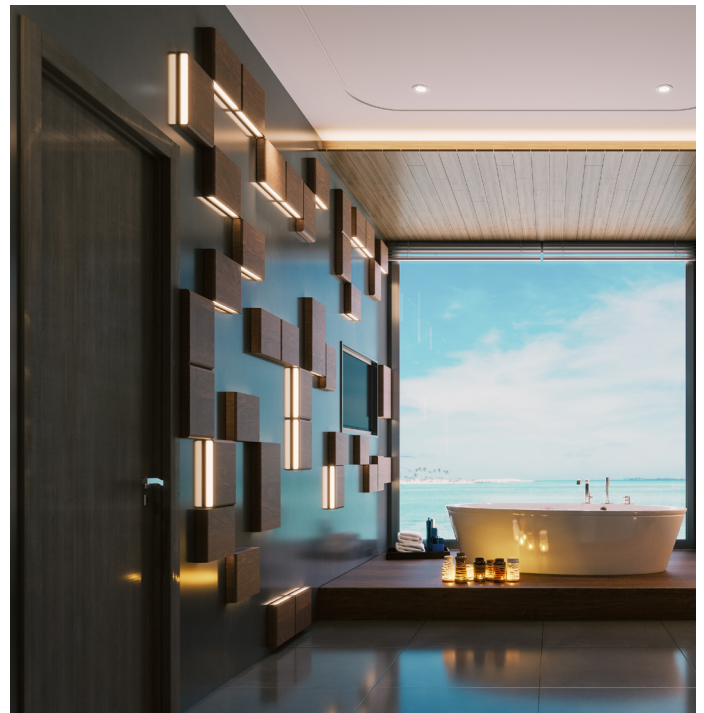
### Technical Information

LEDs per Metre	Up to 168
LED Pitch	5.56mm
Cutting Unit	From 5.55mm
Input Voltage	24V
Lumens Delivered	365lm - 1330lm
Lm/W (lumen per watt)	Up to 95lm/W
CRI	90
SDCM	3
Lifetime	L70 50,000h
Copper PCB	3oz

### Recommended Accessories

LED driver to strip connector	A/CS/20/02/05/01
Strip to strip flexible connector	A/FC/20/02/05/01
Strip to cable connector	A/NC/20/02/05/01
DC Cable	A/DC/20/02/01
Aluminium profile	A/AP/SM/01/20/SI/01
Driver	AD60W/24V
Convert to OCTO (driver)	AOCTOW/12-24V/DIM



## K-CELL - White





click for more information

RGBTW

18W/M  100mm  12mm



RGBW

18W/M  71.43mm  12mm

20W/M  50mm  12mm

WHITE

4.8W & 9.6W  50mm  10mm

14.4W & 19.2W  33.33mm  10mm

TUNABLE WHITE

14.4W  50mm  10mm

DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Single CCT	P	24	01 / 03 / 04 / 05	20 / 65 / 67	01	22 / 27 / 30 / 40 / 65	S01 / S02 / S05	01
		24V	4.8W/m or 9.6W or 14.4W/m or 19.2W/m	IP20 or IP65 or IP67	White	2200K or 2700K or 3000K or 4000K or 6500K	5m or 10m or 50m	1
RGBW	P	24	03 / 04	20 / 65 / 67	04	30 / 40 / 65	S01 / S02 / S05	01
		24V	18W/m or 20W/m	IP20 or IP65 or IP67	RGBW	3000K or 4000K or 6500K	5m or 10m or 50m	1
RGBTW	P	24	04	20 / 65 / 67	05	00	S01 / S02 / S05	01
		24V	18W/m	IP20 or IP65 or IP67	RGBTW	RGBTW	5m or 10m or 50m	1
Tunable	P	24	02	20 / 65 / 67	02	00	S01 / S02 / S05	01
		24V	14.4W/m	IP20 or IP65 or IP67	Tunable White	TW	5m or 10m or 50m	1

# A<sup>+</sup> P-CELL

PROFESSIONAL - STRIP



## FEATURES

- Super high efficacy ensures peak performance, whilst also remaining economical and energy saving, helping to reduce overall energy consumption for all large scale installations
- Elite level LED chip technology with low SDCM produces the best quality white light

## IP20 - Specification Applications

- High End Residential • Retail Commercial • Hospitality

### Examples:

- Restaurant and Bars • Kitchens • Hotel Receptions
- Meeting Rooms • Office Spaces

## IP65 - Specification Applications

- High End Residential • Retail Commercial • Hospitality

### Examples:

- Outdoor Garden • Leisure Spaces • Feature Lighting

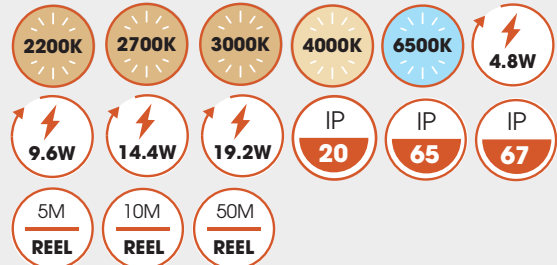
## Technical Information

LEDs per Metre	Up to 240
LED Pitch	4.16mm
Cutting Unit	From 33.33mm
Input Voltage	24V
Lumens Delivered	570lm - 2250lm
Lm/W (lumen per watt)	Up to 125lm/W
CRI	97
SDCM	White 3, RGBW 5
Lifetime	L70 50,000h
Copper PCB	3oz

## Recommended Accessories

LED driver to strip connector	A/CS/20/02/10/01
Strip to strip flexible connector	A/FC/20/02/10/011
Strip to cable connector	A/NC/20/02/10/01
DC Cable	A/DC/20/02/01
Aluminium profile	A/AP/SM/03/20/SI/01
Driver	AD60W/24V
Controller	A/KT/01/01/01
Convert to OCTO (driver)	A/OCTOW/12-24V/DIMV

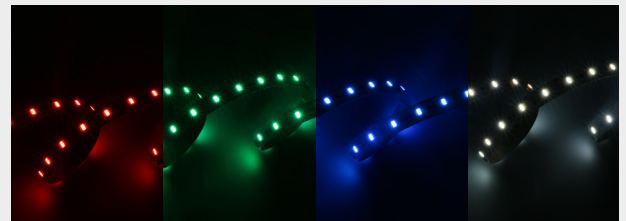
## P-CELL - White



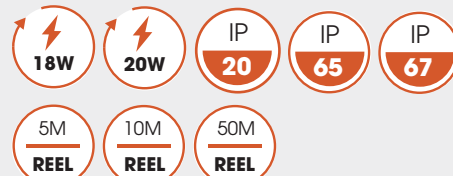
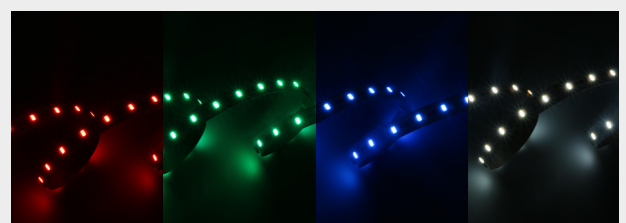
## P-CELL - Tunable White



## P-CELL - RGBTW



## P-CELL - RGBW





click for more information

WHITE

RGBW

4.8W &  
9.6W



100mm



12mm



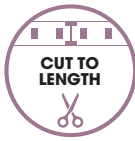
166.7mm



12mm

DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Single CCT	U	48	01 / 03	20 / 65 / 67	01	30 / 40 / 65	S03 / S05	01
		48V	4.8W/m or 9.6W/m	IP20 or IP65 or IP67	White	3000K or 4000K or 6500K	30m or 50m	1
RGBW	U	48	04	20 / 65 / 67	04	30 / 40 / 65	S03	01
		48V	14W/m	IP20 or IP65 or IP67	RGBW	3000K or 4000K or 6500K	20m	1





## FEATURES

- Low 48V input offers great reliability and safety for outdoor installations, as well as uniform brightness from the beginning to the end of each run
- Up to 50M can be run from a single power supply, great for external applications when suitable power supply locations are few and far between
- Available in IP20, IP65 and IP67 ratings, and in drums up to 50M ensuring suitability for any long length internal or external application

### IP20 - Specification Applications

- Residential • Hospitality • Retail & Commercial

#### Examples:

- Large Interior Spaces • Hallways/Corridors
- Feature lighting

### IP65 - Specification Applications

- Residential • Hospitality • Retail & Commercial

#### Examples:

- Building Facades • Outdoor Feature Lighting
- Large Garden

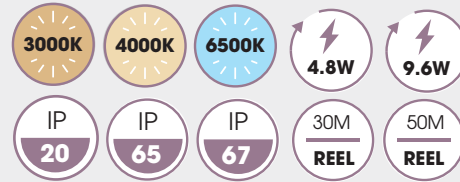
### Technical Information

LEDs per Metre	Up to 130
LED Pitch	7.68mm
Cutting Unit	From 100mm
Input Voltage	48V
Lumens Delivered	550lm - 1130lm
Lm/W (lumen per watt)	Up to 125lm/W
CRI	90
SDCM	White 3, RGBW 5
Lifetime	L70 50,000h
Copper PCB	3oz

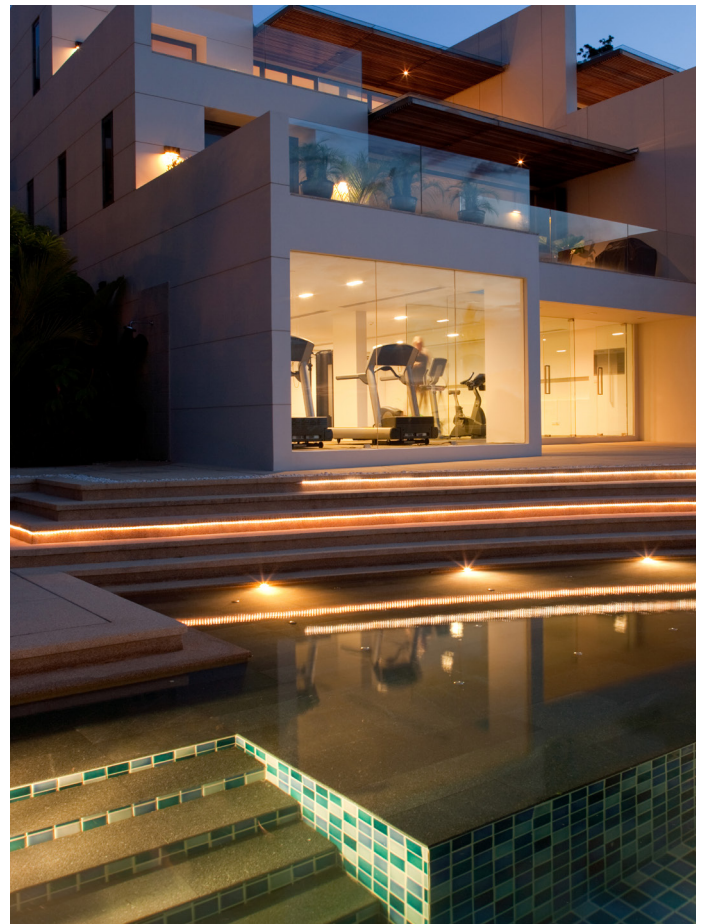
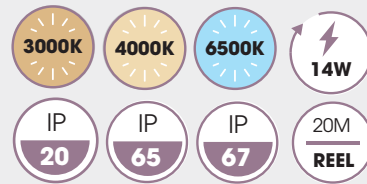
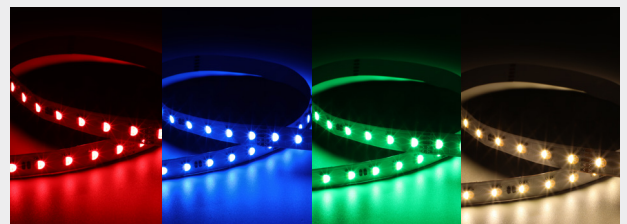
### Recommended Accessories

LED driver to strip connector	A/CS/20/02/12/01
Strip to strip flexible connector	A/FC/20/02/12/01
Strip to cable connector	A/NC/20/02/12/01
DC Cable	A/DC/20/02/01
Aluminium profile	A/AP/RE/04/65/SI/01
Driver	AD100/48V
Controller	A/RC/01/04/01
Convert to OCTO (driver)	A/CO/06/01

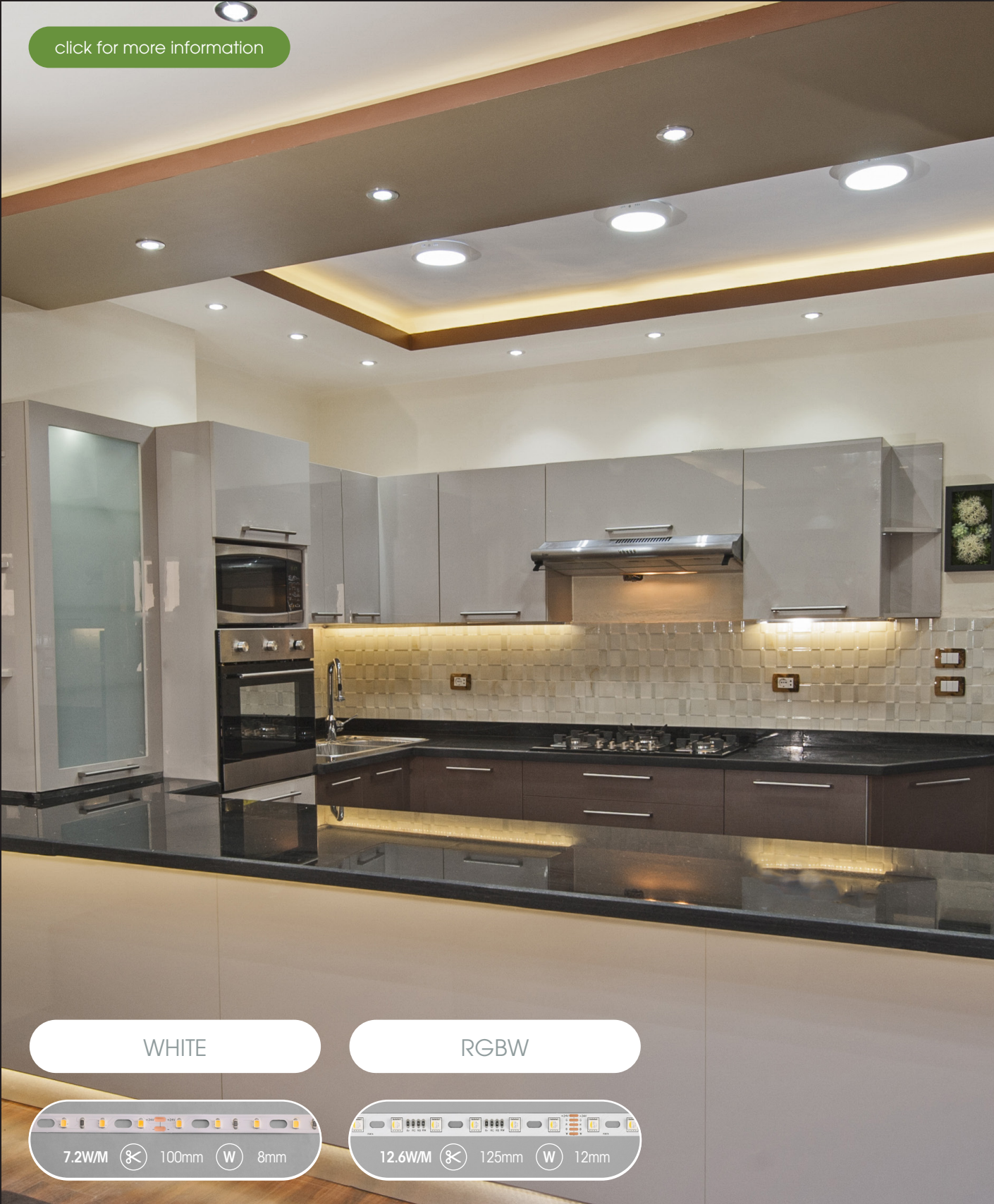
## U-CELL - White



## U-CELL - RGBW



[click for more information](#)



WHITE

RGBW

7.2W/M  $\angle$  100mm  $\odot$  8mm

12.6W/M  $\angle$  125mm  $\odot$  12mm

DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
Single CCT	Z	24	02	20	01	27 / 30 / 40 / 65	S01 / S02 / S05	01
		24V	7.2W/m	IP20	White	2700K or 3000K or 4000K or 6500K	5m or 10m or 50m	1

DESCRIPTION	MODEL	VOLTAGE	OUTPUT	IP	COLOUR	CCT	LENGTH (M)	VERSION
RGBW	Z	24	03	20	04	27 / 30 / 40	S01 / S02 / S05	01
		24V	12.6W/m	IP20	RGBW	2700K or 3000K or 4000K	5m or 10m or 50m	1





## FEATURES

- Distinctive PCB design allows strip to bend on the horizontal plane without the need for connectors whilst maintaining continuous light output with no dark spots
- Single colour and RGBW flexible LED strip with self-adhesive back
- Large strip pack sizes and multiple connector packs offers great time saving and ease when working on a large scale project

## Examples:

- Residential
- Hospitality
- Retail & Commercial

## IP20 - Specification Applications

- Kitchens
- Retail Signage
- Feature lighting

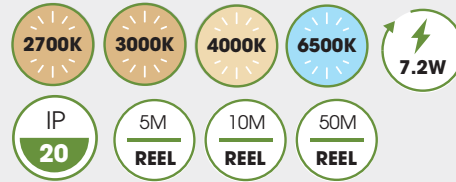
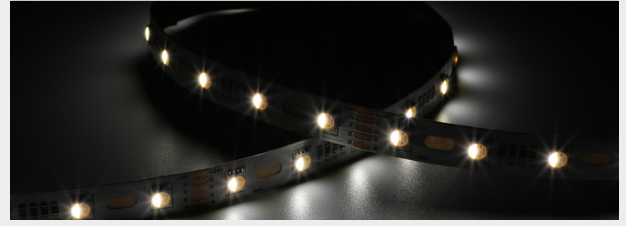
### Technical Information

LEDs per Metre	Up to 60
LED Pitch	16.77mm
Cutting Unit	From 100mm
Input Voltage	24V
Lumens Delivered	230lm - 660lm
Lm/W (lumen per watt)	Up to 92lm/W
CRI	90
SDCM	White 3, RGBW 5
Lifetime	L70 50,000h
Copper PCB	2oz

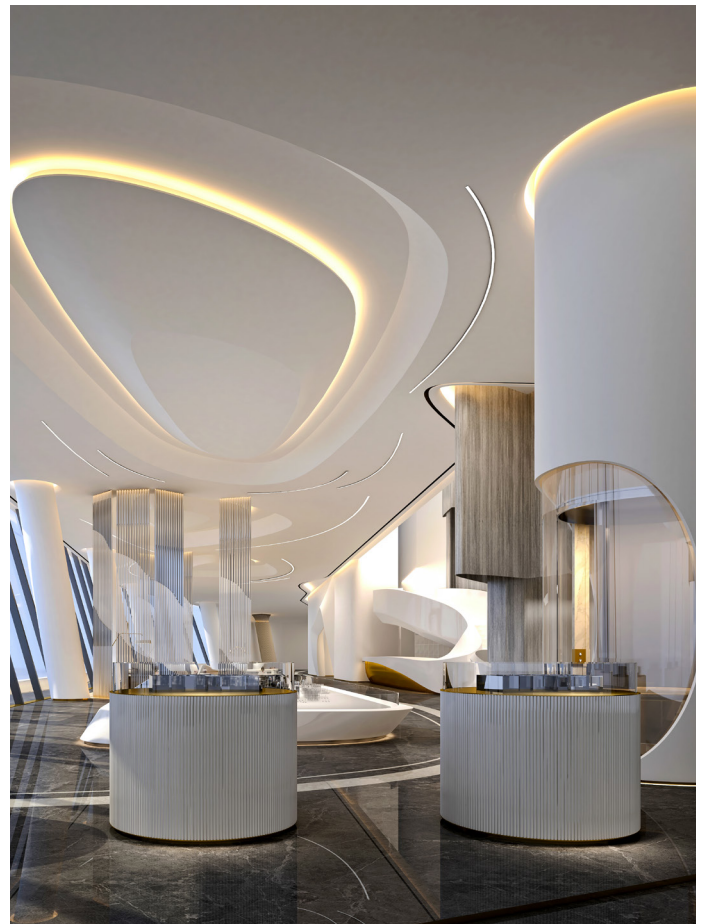
### Recommended Accessories

LED driver to strip connector	A/CS/20/02/08/01
Strip to strip flexible connector	A/FC/20/02/08/01
Strip to cable connector	A/NC/20/02/08/01
DC Cable	A/DC/20/02/01
Driver	AD60W/24V
Controller	A/KT/01/01/01
Convert to OCTO (driver)	AOCTOW/12-24V/DIM

## Z-CELL - White



## Z-CELL - RGBW



# LED DRIVERS

## WHAT DO I NEED TO KNOW?



### WHICH LED DRIVER DO I NEED FOR MY LED STRIP?

We have a comprehensive selection of drivers available for all applications and installations. These pages outline this selection and give information as to what driver is best suited for different requirements.

#### I DON'T NEED TO DIM MY LED STRIP

If you don't need to dim your LED strip the below selection of drivers will suit your needs, simply select whether you need 24V or 48V, the wattage required and the IP rating required.

24V INDOOR		24V OUTDOOR		48V INDOOR		48V OUTDOOR	
CODE	WATTAGE	CODE	WATTAGE	CODE	WATTAGE	CODE	WATTAGE
AD15/24V	15W	AD100/24V/IP67	100W	AD60/48V	60W	AD100/48V/IP67	100W
AD30/24V	30W	AD150/24V/IP67	150W	AD100/48V	100W	AD150/48V/IP67	150W
AD60/24V	60W	AD200/24V/IP67	200W	AD150/48V	150W	AD200/48V/IP67	200W
AD75/24V	75W	AD320/24V/IP67	320W	AD240/48V	240W	AD320/48V/IP67	320W
AD100/24V	100W			AD320/48V	320W	AD480/48V/IP67	480W
AD120/24V	120W					AD600/48V/IP67	600W
AD150/24V	150W						
AD200/24V	200W						
AD240/24V	240W						
AD320/24V	320W						

#### I NEED TO DIM MY LED STRIP BETWEEN 0-100% DIMMING RANGE

If you have up to 100W of 24V LED strip for indoor use one of our triac dimmable drivers is perfect for your needs. Simply select from the options below. If you need a different wattage, 48V or higher IP rated drivers please reference the options on the following page.

24V INDOOR	
CODE	WATTAGE
ADDIM50/24V	50W
ADDIM75/24V	75W
ADDIM100/24V	100W



## I NEED TO MORE SPECIALISED DIMMING OPTIONS

If you have over 100W of LED strip you need to dim, or need 1-10V dimming, switch-dim or DALI dimmable, then our list of drivers below will suit any requirement.

### 24V INDOOR

CODE	WATTAGE
ADDIM60/24V/DD	60W
ADDIM100/24V/DD	100W
ADDIM150/24V/DD	150W
ADDIM200/24V/DD	200W
ADDIM240/24V/DD	240W

### 24V OUTDOOR

CODE	WATTAGE
ADDIM60/24V/IP67/DD	60W
ADDIM100/24V/IP67/DD	100W
ADDIM150/24V/IP67/DD	150W
ADDIM200/24V/IP67/DD	200W
ADDIM240/24V/IP67/DD	240W

### 48V OUTDOOR

CODE	WATTAGE
ADDIM90/48V/IP67/DD	90W
ADDIM200/48V/IP67/DD	200W
ADDIM240/48V/IP67/DD	240W

## I WANT TO CONTROL AND DIM FROM MY PHONE AND SMART APP

Including one of the controllers along with your driver will allow you smart enable your LED-CELL LED strip.

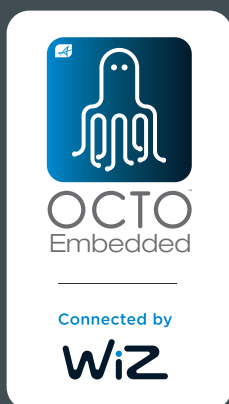
The OCTO Embedded Connected by WiZ ecosystem offers a user-friendly and versatile solution for controlling LED-CELL strip lighting. It provides seamless integration with popular voice assistants and smart home platforms, allowing users to easily customize lighting settings through the WiZ app. On the other hand, the OCTO Powered by Casambi ecosystem offers advanced wireless lighting control, enabling precise dimming, color adjustments, and scene creation. It is ideal for users seeking a more sophisticated and customizable lighting experience. Choose the ecosystem that best suits your needs for effortless control and enhanced lighting ambiance.

### CONNECTED BY WIZ

CODE	DESCRIPTION
AOCTOW/12-24V/DIM	12-24V Dimmable Controller
AOCTOW/12-24V/TW	12-24V Tunable White Controller
AOCTOW/12-24V/RGBTW	12-24V RGBTW Controller

### POWERED BY CASAMBI

CODE	DESCRIPTION
AOCTO/RGBW/BTC	Smart Single CCT/RGBW Controller

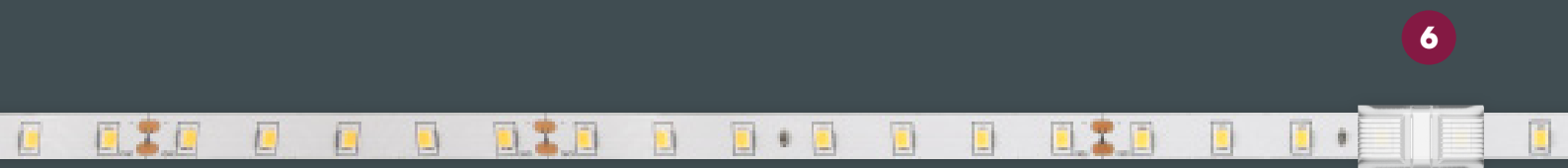


## NEED HELP WIRING YOUR DRIVER?

The following pages give a comprehensive process of wiring our LED drivers.



# WIRING MY LED STRIP WHAT DO I NEED TO KNOW?



## LED DRIVERS

We have a diverse selection of drivers available depending on your application, including dimmable and non-dimmable, IP20 and IP67 and from 15W up to 600W.

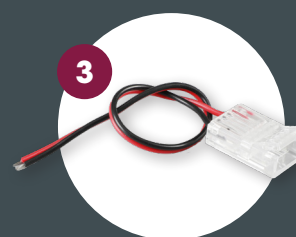
**For full details see p18-p19**



## CONTROLLERS

With a wide range of both Smart enabled and standard controllers we're sure to have whatever is required for your installation.

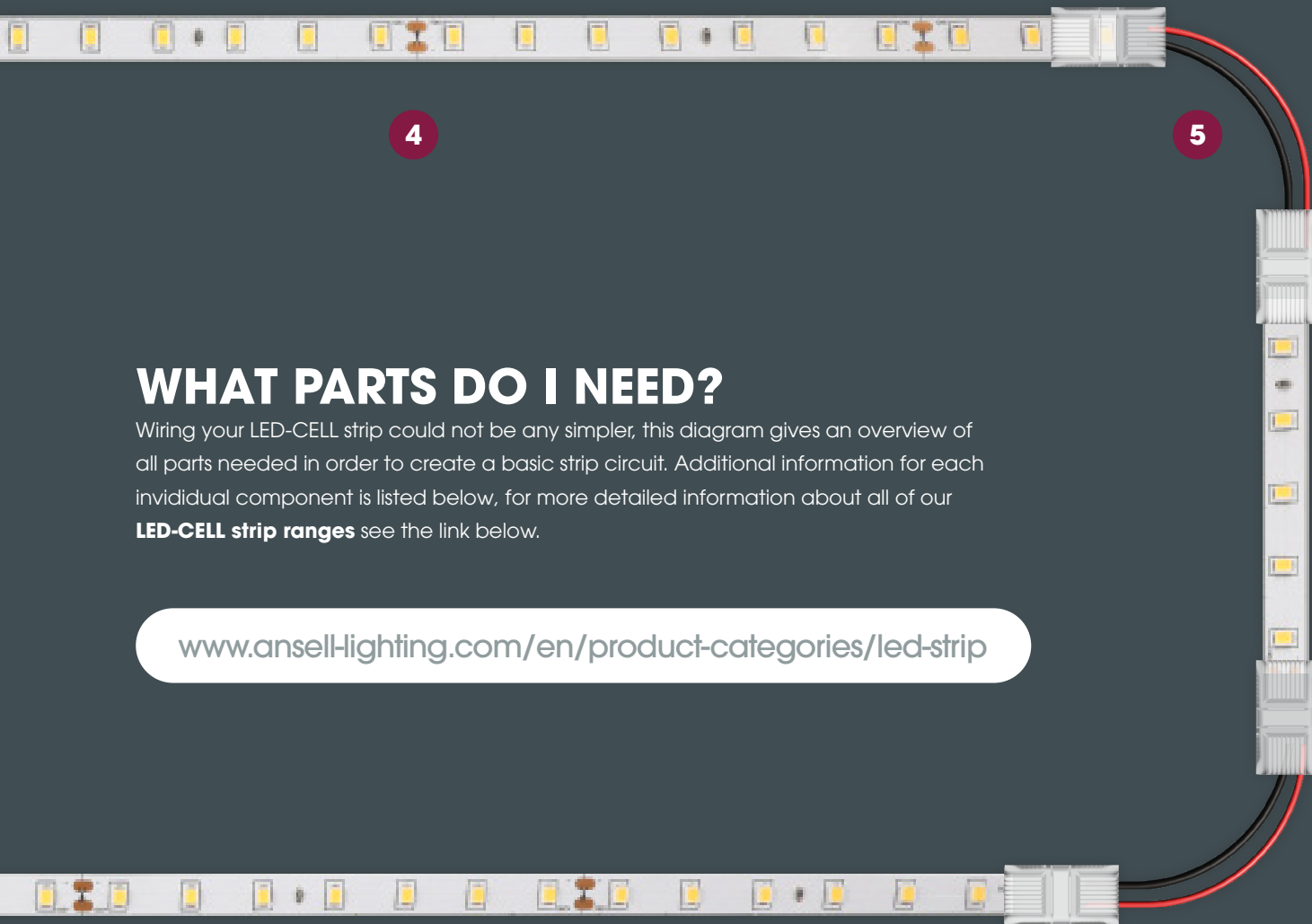
**For full details see p19.**



## PRE-WIRED CONNECTOR

Our pre-wired connectors ensure a quick and easy connection. Available in 8mm, 10mm and 12mm for all different colour strip models.

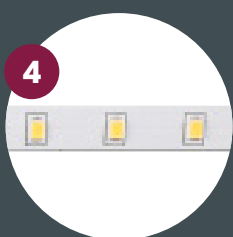




## WHAT PARTS DO I NEED?

Wiring your LED-CELL strip could not be any simpler, this diagram gives an overview of all parts needed in order to create a basic strip circuit. Additional information for each individual component is listed below, for more detailed information about all of our **LED-CELL strip ranges** see the link below.

[www.anselighting.com/en/product-categories/led-strip](http://www.anselighting.com/en/product-categories/led-strip)



### LED STRIP

With 8 different LED strip ranges available, we're sure to have you covered, whatever your specific needs may be.



### FLEXIBLE CONNECTOR

Our flexible connectors ensure a quick and easy connection. Available in 8mm, 10mm and 12mm for all different colour strip models.



### STRAIGHT CONNECTOR

Our straight connectors ensure a quick and easy connection. Available in 8mm, 10mm and 12mm for all different colour strip models.

# REMOTES AND RECEIVERS

## WHAT DO I NEED TO KNOW?



## WHICH CONTROLLER OR RECEIVER DO I NEED FOR MY LED STRIP?

We have a comprehensive selection of controllers and receivers available for all applications and installations. This page outlines the selection and gives information as to what is best suited for different requirements.

### I ONLY NEED TO CONTROL ONE ZONE

If you only have a single zone of LED strip to control choosing a remote and receiver kit is the recommended option. Our offering includes kits for single colour, tunable white and RGB, all of which are listed below.

WHITE	
CODE	DESCRIPTION
A/KT/01/01/01	Single Colour 1 Zone

TUNABLE WHITE	
CODE	DESCRIPTION
A/KT/02/01/01	Tunable White 1 Zone

RGB	
CODE	DESCRIPTION
A/KT/03/01/01	RGB 1 Zone

### I NEED TO CONTROL UP TO 4 ZONES

If you have 4 zones of LED strip to control choosing a separate remote and receiver is the recommended option. Additionally single zone controllers and receivers are available if RGBW or RGBTW strip needs to be controlled. Our offering includes remotes for single colour, tunable white, RGB and RGBW, also slimline remotes for RGBW and RGBTW all of which are listed below.

## REMOTES

WHITE	
CODE	DESCRIPTION
A/RC/01/04/01	Single Colour 4 Zones

TUNABLE WHITE	
CODE	DESCRIPTION
A/RC/02/04/01	Tunable White 4 Zones

RGBTW	
CODE	DESCRIPTION
A/RC/05/04/01	RGBTW 4 Zones
A/SR/05/04/01	Slim RGBTW 4 Zones
A/SR/05/01/01	Slim RGBTW 1 Zone

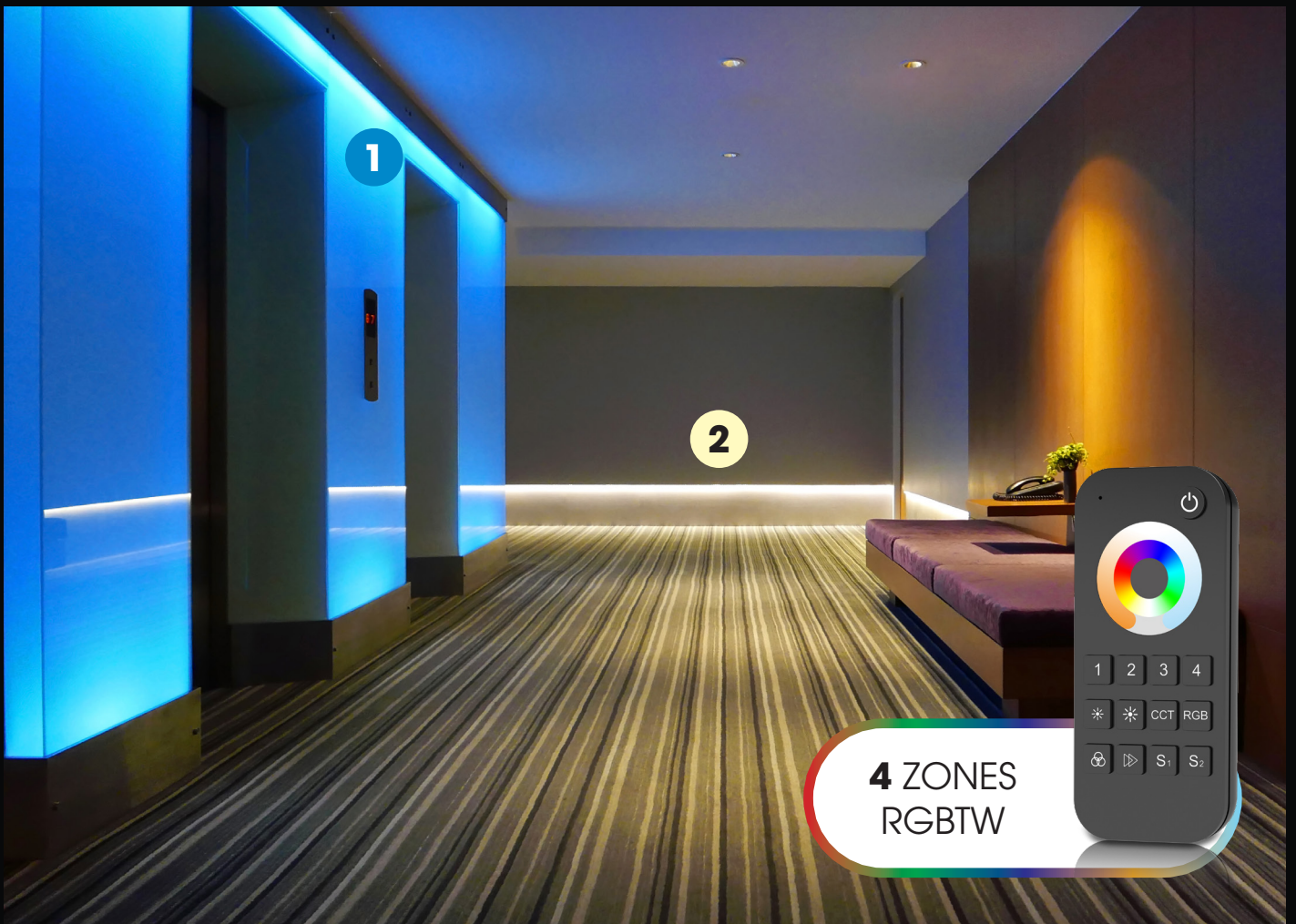
RGB OR RGBW	
CODE	DESCRIPTION
A/RC/04/04/01	RGB RGBW 4 Zones
A/SR/04/01/01	Slim RGBW 1 Zone

## RECEIVERS

MULTI *	
CODE	DESCRIPTION
A/RC/01/04/01	Receiver White, Tunable White, RGB and RGBW

RGBTW	
CODE	DESCRIPTION
A/CO/05/01	Receiver RGBTW







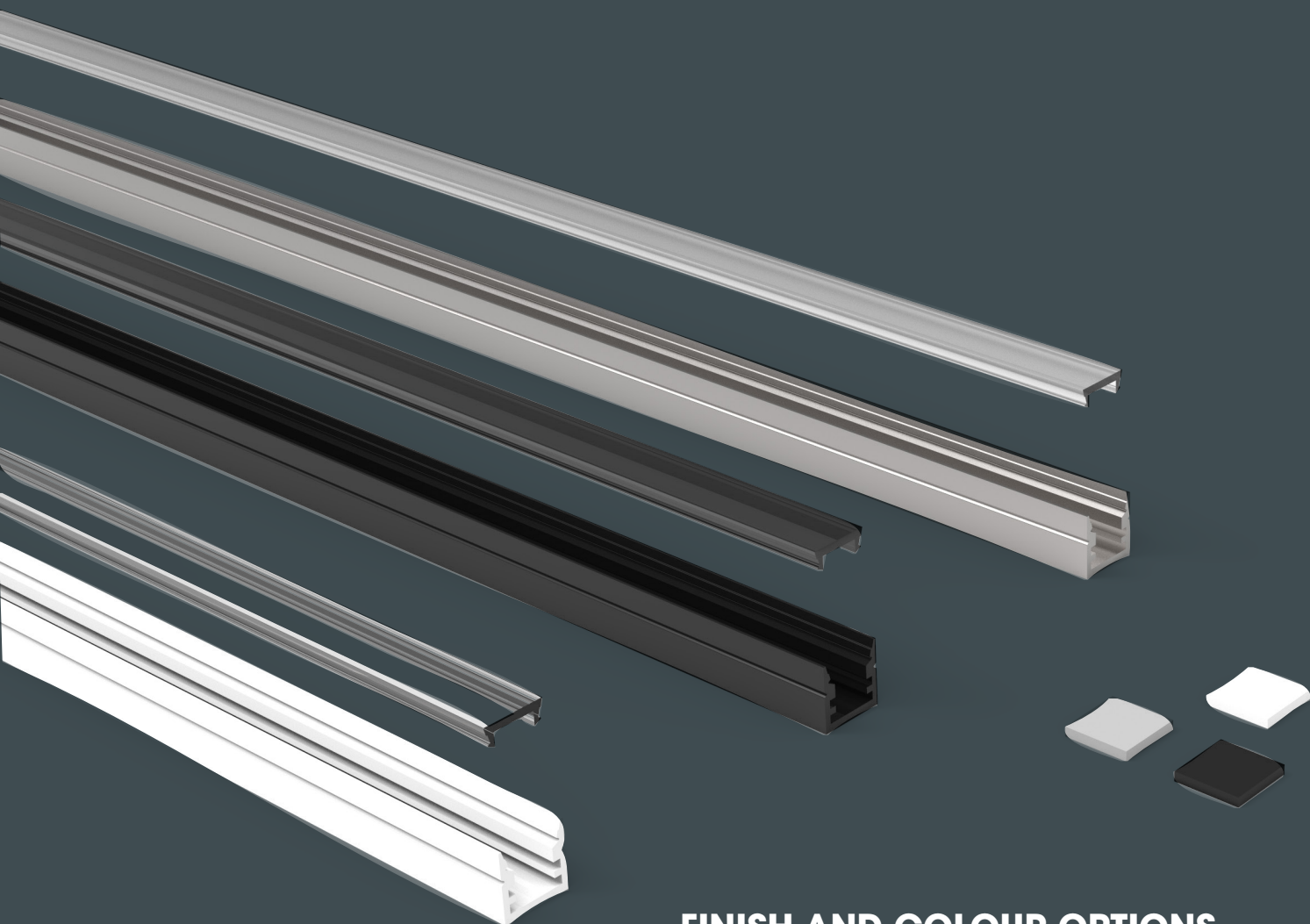
# ALUMINIUM PROFILES

## A COMPLETE GUIDE

To match the vast range of **LED-CELL** strip products, we have an equally impressive range of profile options available to cater for any specification.

### A PROFILE FOR EVERY SITUATION

The different profile options, including plaster in, suspended, cove, step edge, recessed, and surface, allow for versatile installation options and customized lighting designs. The opal diffuser is supplied with profiles as standard.



### FINISH AND COLOUR OPTIONS

All\* of our profiles and end caps come in 3 colour options, white, black and silver. The diffusers come in 3 finishes, clear, opal and translucent black.

\* Cove profile only available in silver finish with opal or clear diffuser.



# PROFILE CODING SYSTEM EXPLAINED

All of complete profile kit solutions come as standard with a 2 metre aluminium profile, end-caps, diffuser and mounting clips. To ensure you are ordering the correct kit, we have set out a guide to show you how our coding system works. The code diagram below outlines the steps needed to create the example code **A/AP/SM/01/20/SI/01**.

All of the individual parts which normally come as a part of a kit can also be ordered separately. So, if you need any spare parts, or want to **get creative with different colours and finishes**, we've got you covered. Contact our **Sales Team** for more information.

## 1 CODE PART 1: MOUNTING TYPE

Part 1 of the coding system is the mounting type. We offer several mounting types, these are; **SM** = Surface Mounting, **RE** = Recessed, **CO** = Cove, **PI** = Plaster in, **SU** = Suspended and **ST** = Step-edge. The example shown indicates a surface mounted profile has been selected.

A / AP / **1** SM / 01 / 20 / SI / 01

## 2 CODE PART 2: SIZE

Part 2 of the coding system is the size of the profile. Some have several size options available, whereas some only have 1. All available codes and sizing is shown on the following pages.

A / AP / SM / **2** 01 / 20 / SI / 01

## 2 CODE PART 3: IP RATING

Part 3 of the coding system is the IP rating of the profile. Some have both IP20 and IP65 options available, The code for IP rating is the same as the number rating itself, for example the code for IP20 profile would be '20'. The example shown indicates a IP20 profile has been selected.

A / AP / SM / 01 / **3** 20 / SI / 01

## 2 CODE PART 4: FINISHES

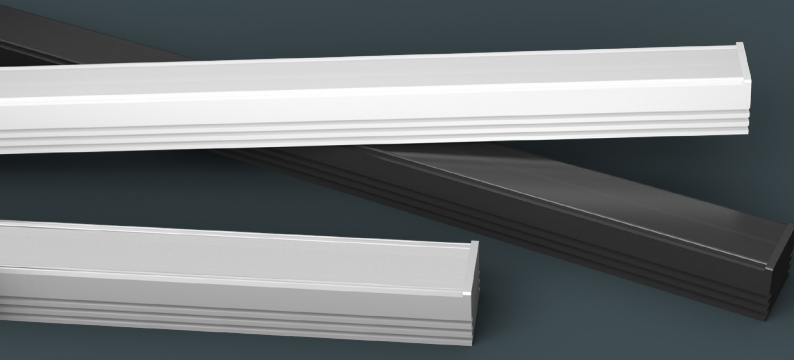
Part 4 of the coding system is the finishes of the profile. All are available in white, black and silver, aside from cove which is only available in silver. The code is the first 2 letters of the finish itself, the code for silver profile would be 'SI'. The example shown indicates a silver profile has been selected.

A / AP / SM / 01 / 20 / **4** SI / 01

## WANT MORE CUSTOMISATION?

### MORE INFORMATION

The following pages give a comprehensive overview of all of our **Profile Solutions**.

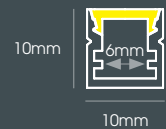


# SURFACE

Available in 6 size options including one **IP65 rated** option, our wide range of surface profiles will be suitable for many applications both internally and externally. These range from undercabinet installations in kitchens, inside wardrobes and many other residential and commercial applications.

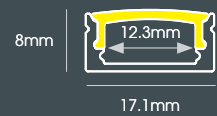
## 10mm x 10mm

	MOUNTING			SIZE	IP	FINISH	REVISION					
A	/	AP	/	SM	/	01	/	20	/	SI	/	01



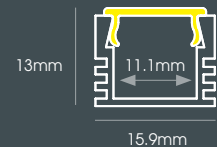
## 8mm x 17.1mm

	MOUNTING			SIZE	IP	FINISH	REVISION					
A	/	AP	/	SM	/	02	/	20	/	SI	/	01



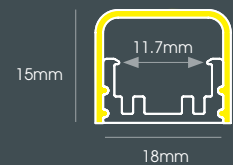
## 13mm x 15.9mm

	MOUNTING			SIZE	IP	FINISH	REVISION					
A	/	AP	/	SM	/	03	/	20	/	SI	/	01



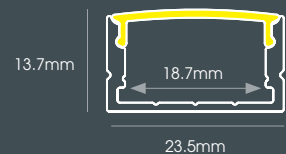
## 15mm x 18mm

	MOUNTING			SIZE	IP	FINISH	REVISION					
A	/	AP	/	SM	/	05	/	65	/	SI	/	01



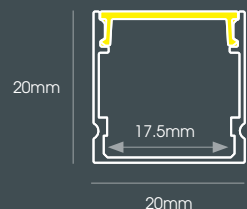
## 13.7mm x 23.5mm

	MOUNTING			SIZE	IP	FINISH	REVISION					
A	/	AP	/	SM	/	06	/	20	/	SI	/	01



## 20mm x 20mm

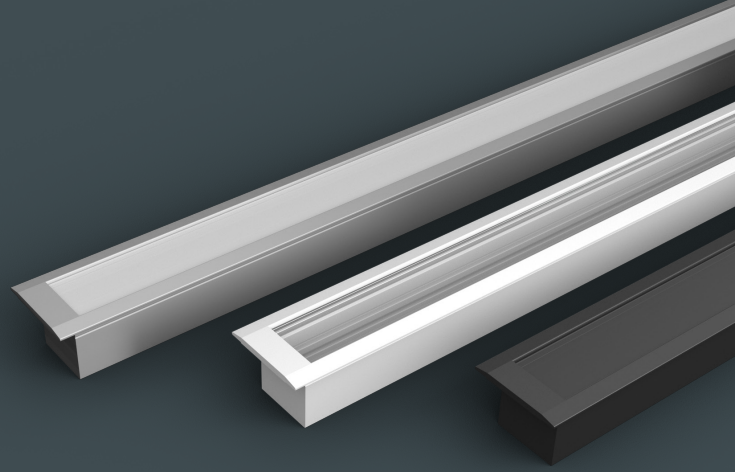
	MOUNTING			SIZE	IP	FINISH	REVISION					
A	/	AP	/	SM	/	06	/	20	/	SI	/	01



\* For white variant add 'WH' in place of 'SI' or black add 'BL' in place of 'SI' into the above product codes e.g. **A/AP/SM/01/20/WH/01**

\* Applicable for all profiles listed on this page



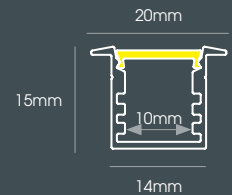


# RECESSED

Available in 5 size options including one **IP65 rated** option, our wide range of recessed profiles will be suitable for many applications both internally and externally. Primarily used as ceiling, wall and floor lighting the recessed profile makes LED-CELL strip extremely versatile. It can also be used for display lighting, accent lighting and also even step lighting, offering great versatility for most applications.

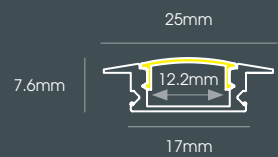
## 15mm x 20mm

MOUNTING	SIZE	IP	FINISH	REVISION
A / AP / RE /	01 /	20 /	SI /	01



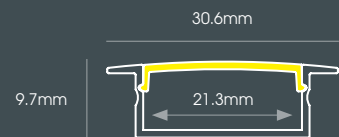
## 7.6mm x 25mm

MOUNTING	SIZE	IP	FINISH	REVISION
A / AP / RE /	02 /	20 /	SI /	01



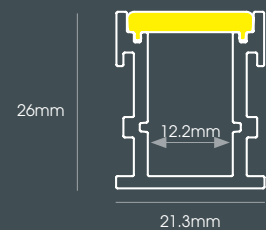
## 9.7mm x 30.6mm

MOUNTING	SIZE	IP	FINISH	REVISION
A / AP / RE /	03 /	20 /	SI /	01



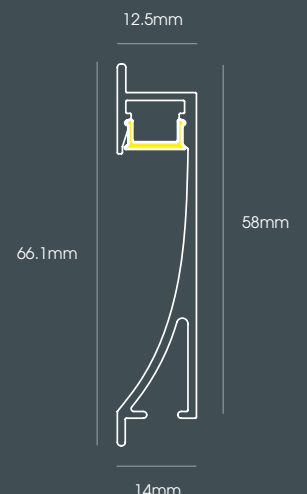
## 26mm x 21.3mm

MOUNTING	SIZE	IP	FINISH	REVISION
A / AP / RE /	04 /	65 /	SI /	01



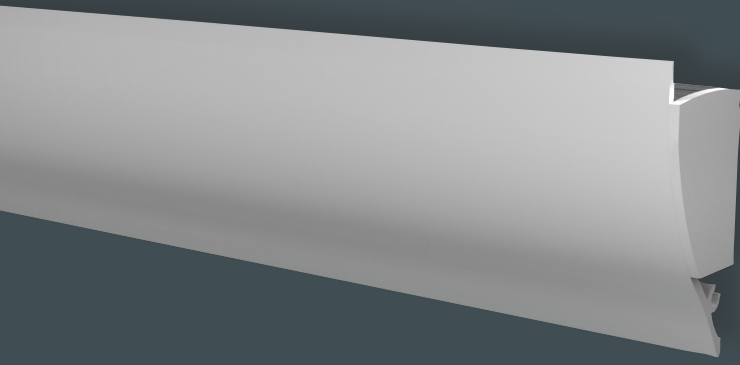
## 66.1mm x 12.5mm Wall Recessed

MOUNTING	SIZE	IP	FINISH	REVISION
A / AP / WR /	01 /	65 /	SI /	01



\* For white variant add 'WH' in place of 'SI' or black add 'BL' in place of 'SI' into the above product codes e.g. **A/AP/RE/01/20/WH/01**

\* Applicable for all profiles listed on this page except Wall Recessed profile, this is only available in Silver.

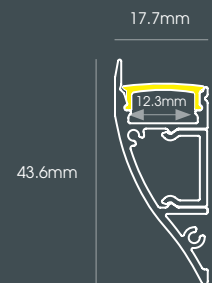


# COVE

The coving profile provides a hidden and diffused uplighting effect, minimizing glare and creating a soft ambiance, while also adding an elegant and decorative element to the room with sleek and stylish design.

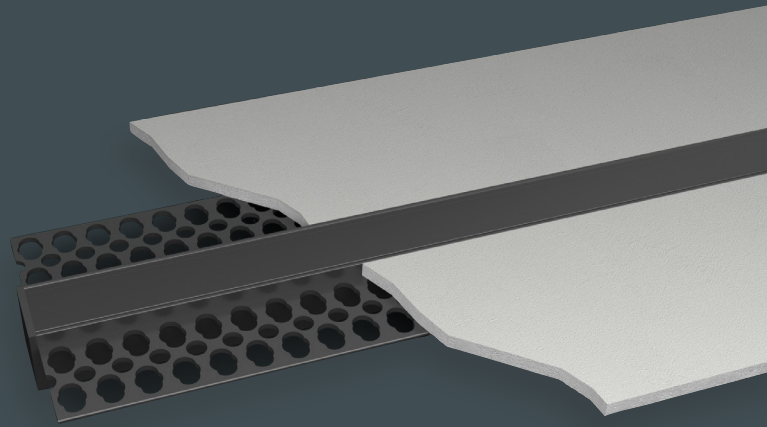
**43.6mm x 17.7mm**

		MOUNTING			SIZE	IP	FINISH		REVISION	
A	/	AP	/	CO	/	02	/	SI	/	01



\* No white or black options available for this profile



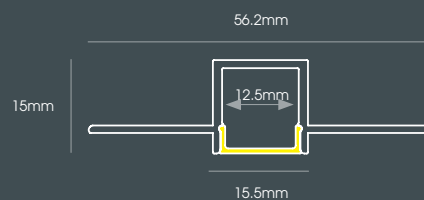


# PLASTER-IN

Available in 5 sizes and applications, our new plaster-in recessed profiles will help create a sleek and stylish finish.

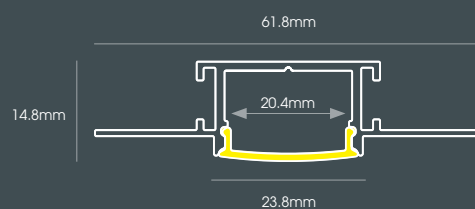
## 15mm x 56.2mm

MOUNTING		SIZE	IP	FINISH	REVISION	
A	AP	PI	01	20	SI	01



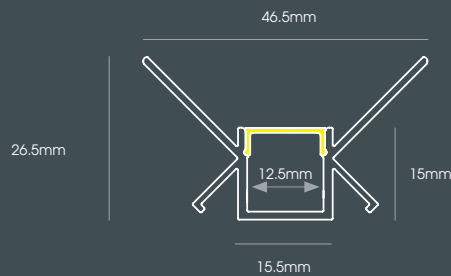
## 14.8mm x 61.8mm

MOUNTING		SIZE	IP	FINISH	REVISION	
A	AP	PI	03	20	SI	01



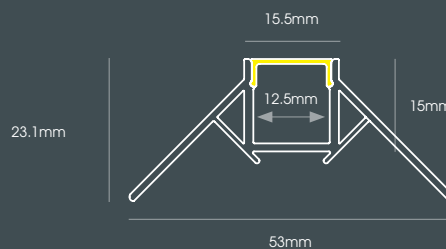
## 26.5mm x 46.5mm

MOUNTING		SIZE	IP	FINISH	REVISION	
A	AP	PI	10	20	SI	01



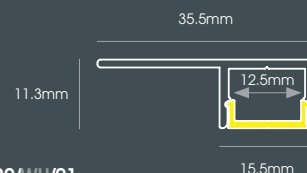
## 23.1mm x 53mm

MOUNTING		SIZE	IP	FINISH	REVISION	
A	AP	PI	11	20	SI	01



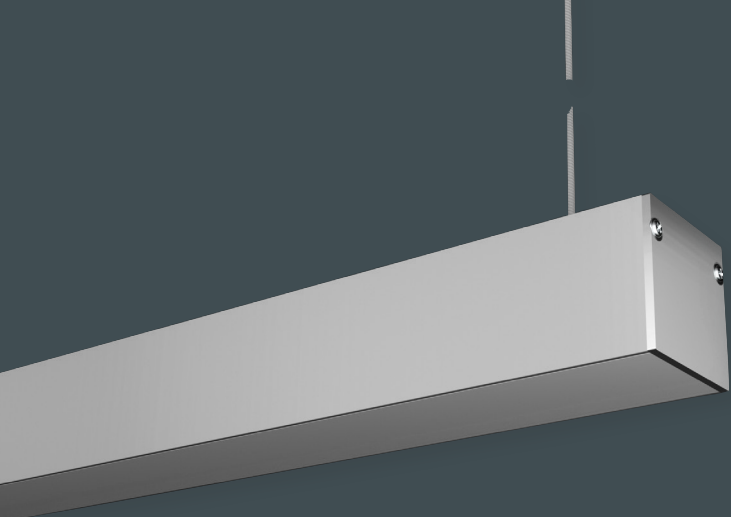
## 11.3mm x 35.5mm

MOUNTING		SIZE	IP	FINISH	REVISION	
A	AP	PI	12	20	SI	01



\* For white variant add 'WH' in place of 'SI' or black add 'BL' in place of 'SI' into the above product codes e.g. **A/AP/PI/12/20/WH/01**

\* Applicable for all profiles listed on this page

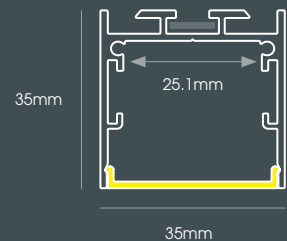


# SUSPENDED

The suspended profile allows for flexible and adjustable lighting placement, as it can be suspended at various heights and positions, creating a visually striking effect, as the suspended profile adds a sense of depth and dimension to the space while providing a diffused and uniform light distribution, creating a modern and stylish look decorative element to the room with sleek and stylish design.

## 35mm x 35mm

		MOUNTING			SIZE	IP	FINISH		REVISION	
A	/	AP	/	SU	/	01	/	SI	/	01



\* For white variant add 'WH' in place of 'SI' or black add 'BL' in place of 'SI' into the above product codes e.g. **A/AP/SU/01/20/WH/01**



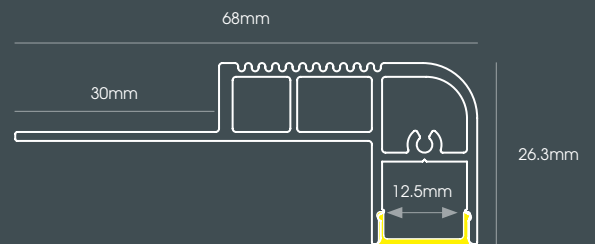


# STEP-EDGE

The step-edge profile enhances safety by providing illuminated steps for better visibility, and it adds a visually appealing accent to the staircase, creating a modern and decorative element to the room with sleek and stylish design.

**26.3mm x 68mm**

		MOUNTING			SIZE	IP	FINISH		REVISION			
A	/	AP	/	ST	/	01	/	65	/	SI	/	01



\* For white variant add 'WH' in place of 'SI' or black add 'BL' in place of 'SI' into the above product codes e.g. **A/AP/ST/01/65/WH/01**

# OUR NEW LED STRIP CALCULATOR

Our new LED strip calculator will make it easy for you to configure the LED strip you need for your project. Guiding you through the different options available for our LED strip ranges E-Cell, C-Cell and U-Cell, it will configure a part code for you, to then order the strip you need.

## WHAT STRIP SHOULD I PICK?

Choose your strip type from C, E or U-Cell or if you are unsure which strip you require, select 'Help me choose' and we will guide you through the LED strip options available.



## SELECT THE TYPE OF CONTROLLER YOU REQUIRE

Once you have selected the specific strip you need, as well as the particulars such as colour temperature, IP rating and wattage we will select a driver suitable for you. The calculator will take away the headache of figuring this out, instead asking the simple question of if your strip needs to be dimmable or not, and then adding the recommended driver to suit.



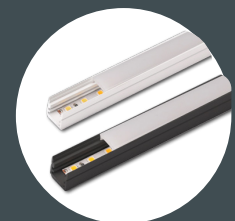
## WHAT PROFILE OPTIONS ARE AVAILABLE?

If you are looking to install your LED strip with a profile, we will show you those available for your strip configuration. All you need to do is select your profile and diffuser colours.



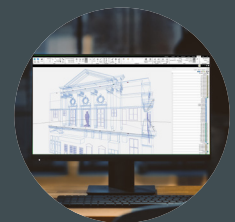
## WHAT ABOUT ACCESSORIES?

Depending on your project you may also need additional accessories. After selecting your strip and profile you can also add accessories to help complete your installation. The LED strip calculator will offer suggestions based on previous selections, ensuring the most appropriate and suitable accessories you could need are a simple click away.



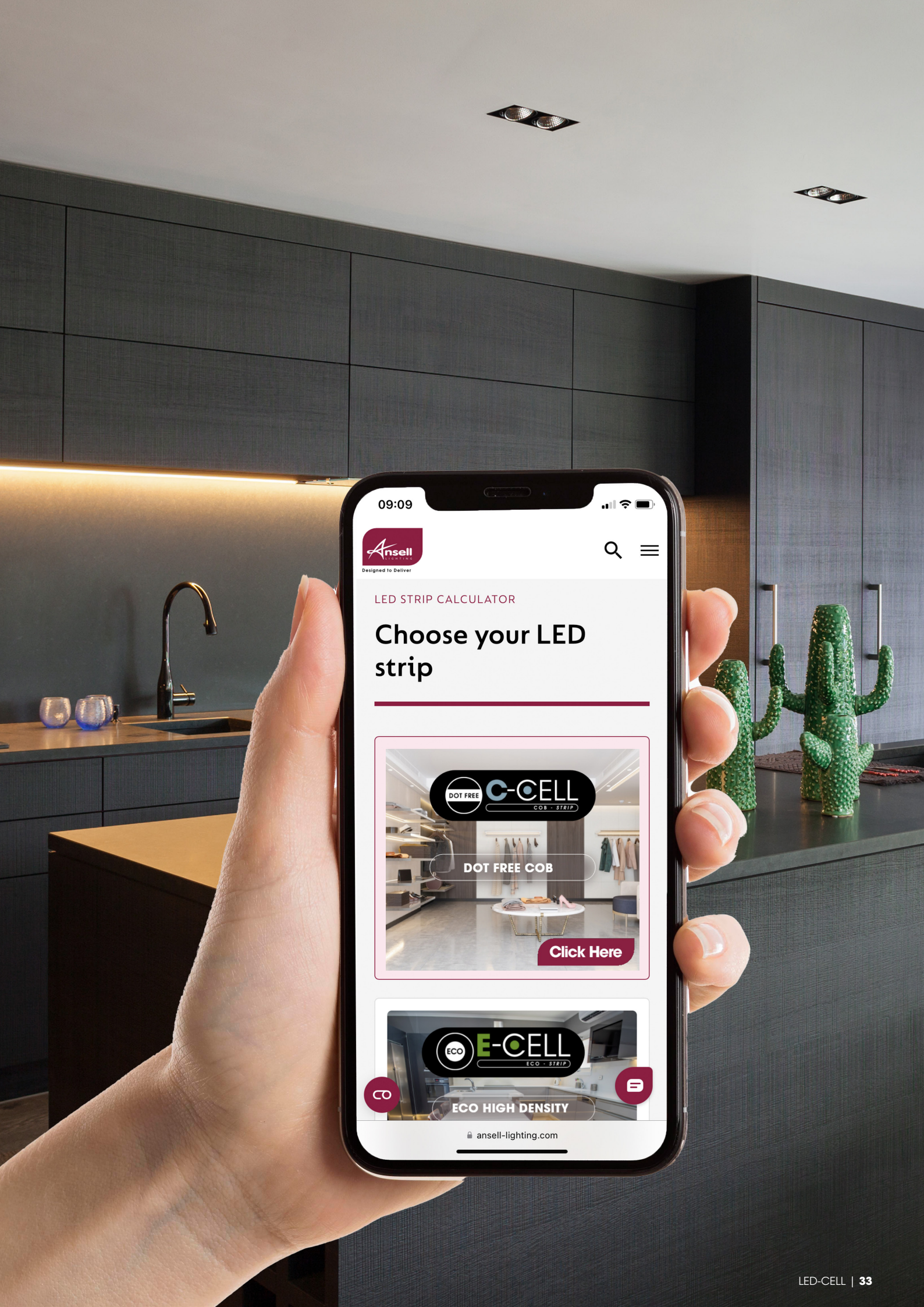
## GOT A LARGE PROJECT? CONTACT OUR LIGHTING DESIGN SPECIALISTS

Got a large project and need more complex lighting calculations to achieve your desired results? Our lighting design team is on hand to offer you bespoke lighting plans. Contact them today for more information: [lightingdesign@anselluk.com](mailto:lightingdesign@anselluk.com)



**For more information visit:**  
[ansell-lighting.com/en/led-strip-calculator](http://ansell-lighting.com/en/led-strip-calculator)





09:09



LED STRIP CALCULATOR

# Choose your LED strip

**DOT FREE C-CELL**  
COB - STRIP

DOT FREE COB

[Click Here](#)

**ECO E-CELL**  
ECO - STRIP

ECO HIGH DENSITY

ansell-lighting.com

# LED-CELL

*STRIP*

[www.ansell-lighting.com](http://www.ansell-lighting.com)