



LED LINEAR

FLEX
SERIES

hawko

XFLEX

Detail Information



PRECISION COLOUR ACCURACY

The new XFLEX generation of strips is our most accurate colour strip yet. White single bin LED chips with a 2-step MacAdam Ellipse - we guarantee there will be no colour variation along the length of strip, and if you need extras for a project down the track, the colours will always match.



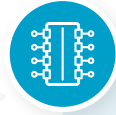
COMPLETELY REDESIGNED PCB

We started from the ground up on our new PCB design for the XFLEX. Now using a 2oz PCB with 40% more copper than any of our previous strips, the thermal capacity of the strip is greatly enhanced and by squeezing in 126 LED's per mtr, you are guaranteed a homogenous light output from any XFLEX model.



PREMIUM LED'S

There are a lot of LED chips and manufacturers in today's market, so choosing an LED chip to design your product around is of utmost importance. The XFLEX uses genuine Epistar LED chips and we use the best of the best in the Epistar range. The 3528 LED chip we have selected from Epistar uses a pure gold AU wire internally during construction which is a critical component in any LED chip. Not only is gold one of the best metals to conduct heat and electrical current, but it lasts much longer than other materials that are used as it will not oxidize over time. The pure gold is also of perfect ductility, so it will not break easily under any high tension as you get with flexible strips.



INTELLIGENT IC CONTROL

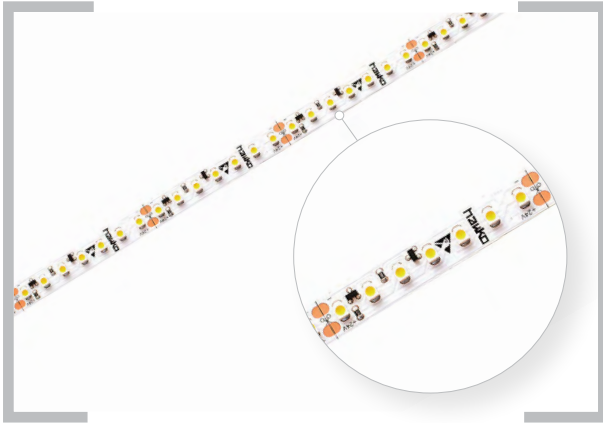
We have brought back our intelligent IC on-board control for the LED chips. Most LED strips on the market use a simple resistor based current control method for the LED's which is a very basic control that is voltage dependant. We have always believed there is a better way, and that's why we designed our intelligent IC control. This ensures that all LED's along each XFLEX strip are run at an identical current, even if there is slight voltage variation, ensuring perfect matched brightness from the start of the strip all the way to the end. The intelligent IC control doesn't stop there either, it also has a thermal control system that constantly monitors the temperature of the LED's. If the LED's get too hot, the strip automatically begins dimming the LED's to ensure that the chips are always run at their optimal temperature, further extending the lifetime of the XFLEX strip.



QUALITY CONTROL

All XFLEX strips undergo vigorous quality control testing during manufacture. Not only are all the PCB's triple checked during the manufacturing and assembly process for conductivity and continuity, but once the LED's and on-board circuitry is installed, all strips undergo strict 24 hour burn in period. Each strip is then subjected to a flexible power test to ensure all solder connections are solid ensuring peace of mind for when you receive your XFLEX on any project.

XFLEX 4w/mtr



LED COLOUR & OUTPUT		
Colour Temp	Lumens	Colour Name
2700k	435lm/mtr	Warmer White
3000k	506lm/mtr	Warm White
4000k	501lm/mtr	Natural White

SPECIFICATIONS

OPERATING TEMPERATURE

-20 to +60 Degree Celsius.

LED CHIP

Epistar 3538 Chip spaced 126 LEDs per metre at 120 Degree beam angle. 2-Step MacAdam Ellipse colour binning accuracy.

IP RATING

IP20 and IP67.

CUT INCREMENT

Every 55mm on strip. Marking on tape to guide cut location.

STANDARD ROLL LENGTH

Max 10 metre rolls with power at one end.

VOLTAGE

24v D.C.

LIFETIME

90% lumen maintenance at 54,000 hrs (L90 B10 reported hours at >54,000hrs).

CRI

CRI90 standard

SIZE

IP20: 10mm W x 3mm H

IP67: 13mm W x 6mm H

MOUNTING

No heatsink required. High quality 3M backing tape on IP20 & IP67 LED strips. IP67 LED strips come with clear silicone mounting saddles if required. Hawko recommends no more than 1v D.C. volt drop from driver to LED strip.

CONTROL GEAR

Non Dim, DALI Dim, Smart Control, Phase Dim (leading & Trailing Edge Dim), 0/1-10v Dim

ORDER CODES

IP Rating	LED Colour	Control Gear
20 IP20	27k 2700k	ND Non Dim PD Phase Dim
67 IP67	3k 3000k	DALI DALI Dim 0/1-10v 0/1-10v Dim
	4k 4000k	SC Smart Control

*Standard Component

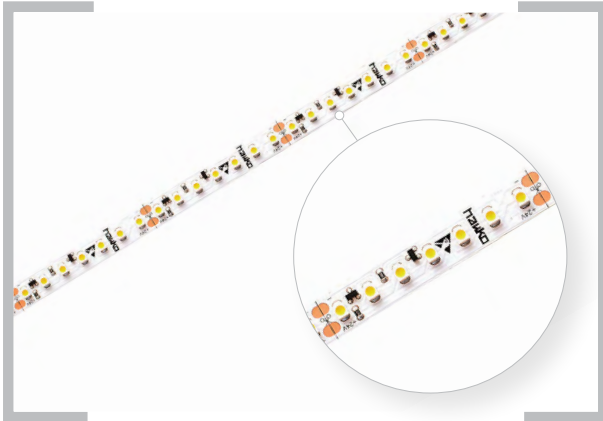
XFLEX 4w/mtr



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XFLEX 8w/mtr



LED COLOUR & OUTPUT		
Colour Temp	Lumens	Colour Name
2700k	967lm/mtr	Warmer White
3000k	1076.6lm/mtr	Warm White
4000k	1089.5lm/mtr	Natural White

SPECIFICATIONS

OPERATING TEMPERATURE

-20 to +60 Degree Celsius.

LED CHIP

Epistar 3538 Chip spaced 126 LEDs per metre at 120 Degree beam angle. 2-Step MacAdam Ellipse colour binning accuracy.

IP RATING

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67 IP67	3k 3000k	DALI DALI Dim 0/1-10v 0/1-10v Dim
	4k 4000k	SC Smart Control

*Standard Component

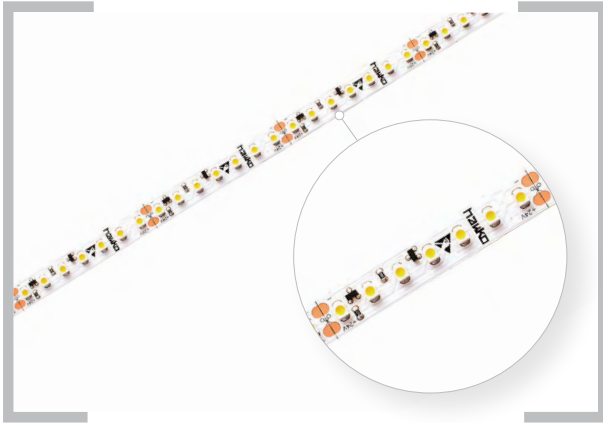
XFLEX 8w/mtr



Head to hawko.com.au for more information



XFLEX 12w/mtr



LED COLOUR & OUTPUT		
Colour Temp	Lumens	Colour Name
2700k	1533lm/mtr	Warmer White
3000k	1573lm/mtr	Warm White
4000k	1576lm/mtr	Natural White

SPECIFICATIONS

OPERATING TEMPERATURE

-20 to +60 Degree Celsius.

LED CHIP

Epistar 3538 Chip spaced 126 LEDs per metre at 120 Degree beam angle. 2-Step MacAdam Ellipse colour binning accuracy.

IP RATING

IP20 and IP67.

CUT INCREMENT

Every 55mm on strip. Marking on tape to guide cut location.

STANDARD ROLL LENGTH

Max 10 metre rolls with power at one end.

VOLTAGE

24v D.C.

LIFETIME

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CRI

CRI90 standard

SIZE

IP20: 10mm W x 3mm H

IP67: 13mm W x 6mm H

MOUNTING

No heatsink required. High quality 3M backing tape on IP20 & IP67 LED strips. IP67 LED strips come with clear silicone mounting saddles if required. Hawko recommends no more than 1v D.C. volt drop from driver to LED strip.

CONTROL GEAR

Non Dim, DALI Dim, Smart Control, Phase Dim (leading & Trailing Edge Dim), 0/1-10v Dim

ORDER CODES

IP Rating	LED Colour	Control Gear
20 IP20	27k 2700k	ND Non Dim PD Phase Dim
67 IP67	3k 3000k	DALI DALI Dim 0/1-10v 0/1-10v Dim
	4k 4000k	SC Smart Control

*Standard Component

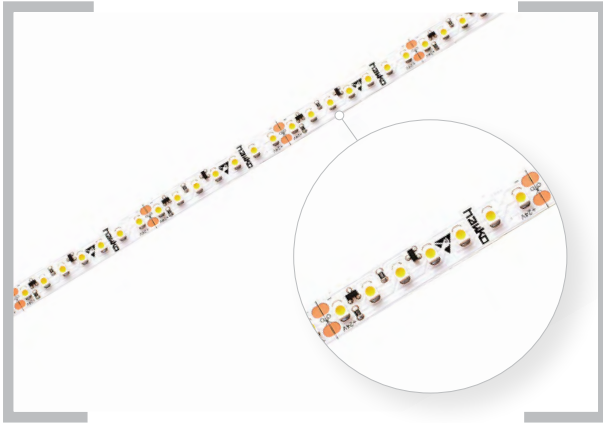
XFLEX 12w/mtr



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XFLEX 16w/mtr



LED COLOUR & OUTPUT		
Colour Temp	Lumens	Colour Name
2700k	1910.5lm/mtr	Warmer White
3000k	1964.5lm/mtr	Warm White
4000k	2028lm/mtr	Natural White

SPECIFICATIONS

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	4k 4000k	SC Smart Control

*Standard Component

XFLEX 16w/mtr



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