

Hyperion LED Flexstrip Specification Sheet

Low Voltage Lighting



Optical Data	
Wattage	4.8~20 w/m Model Dependent
Voltage	12V or 24V
Lifetime Hours	25 000 or 50 000
Luminous Flux	750~2000 lm/m Model Dependent
CCT	3000K/4000K/5000K/6000K RGB/PWW/DTW
Beam Angle	120°
CRI	>90Ra
Dimming	Triac, Low Voltage, 0-10V

About	Applications
<p>Flexstrip is some of the most versatile lighting on the market, able to be cut to customizable lengths and added to almost any indoor or outdoor application. It is available in a variety of colours, intensities and specialty designs. Flexstrip is combined with aluminum channel to create light patterns and diffusion and can be installed almost anywhere. These dimmable lights can be controlled in a variety of ways, from remotes to wall switches to Wi-Fi controls the choice is yours. With Flexstrip you get exactly the light you want where you want it making it ideal for homes and businesses.</p>	<ul style="list-style-type: none"> * Under cabinets * Toe kicks * Wine rooms * Store front * Display cases * Trailers * Stairways * Accents * Task lights * Window trims * Deck railings * Eaves * Food displays * Gazebos * Awnings * And more

About Constant Voltage

Constant voltage Flexstrips are the most common type of strip lighting and come in a large variety of options. They are called constant voltage because they drive all the LEDs on the strip as maximum voltage all the time. A constant voltage FlexStrip is the best choice when placed in applications where it is on for less than 8 hours of continuous use a day and maximum lengths shorter than 20 feet.

Constant Voltage White Strips

	Accent Light	Ambient Light	Task Lighting	Spotless
Chip Size	3528	2835	5630	COB
Chips Per Meter	60/120	60	60	~
Wattage Per Meter	4.5W/14.4W	12W	14.4W	14.4W
Roll Length	5M	5M	5M	5M
Input Voltage	12V	12V	12V	24V
CCT	3000K/4000K/5000K	3000K/4000K	3000K/4000K/ /6000K	3000K/4000K/6000K
Lumen Per Meter	~750/1440	~1200	~1800	~2000
Waterproofing Available	IP54/IP67	IP67	IP67	IP67
Dimming	Dimmable	Dimmable	Dimmable	Dimmable
Cut Spacing	50mm	50mm	50mm	50mm

Constant Voltage Colour Changing Strip

	RGB+White	Dim to Warm	Pure White to Warm White
Chip Size	5050	2216	3528
Chips Per Meter	60	240	120
Wattage Per Meter	14.4W	20W	14.4W
Roll Length	5M	5M	5M
Input Voltage	12V	24V	12V
CCT	RGB+ 27000K	2800K Dim to 1800K	2700K to 6000K
Lumen Per Meter	~500	~1900	~950
Waterproofing Available	IP54	IP67	IP67
Dimming	Dimmable	Dimmable	Dimmable
Cut Spacing	50mm	50mm	25mm

About Constant Current

Constant current Flexstrips are a more robust version of the constant voltage variant. These Flexstrips have IC chips in each grouping of LEDs that will adjust the active current to maintain the most optimal temperature, helping to extend the life of Flexstrip. A constant current FlexStrip is the best choice when placed in applications where it is on for more than 8 hours of continuous use a day, a hard to get to area or maximum lengths up to 32 feet.

Constant Current Strips

	RGB+White	Ambient Light	Task Lighting	Spotless
Chip Size	5050	2538	5630	3528
Chips Per Meter	60	60	60	228
Wattage Per Meter	14.4W	14.4W	14.4W	18W
Roll Length	5M	5M	5M	5M
Input Voltage	24V	24V	24V	24V
CCT	RGB+ 27000K	3000K/4000K	5000K/6000K	4000K
Lumen Per Meter	~500	~1200	~1800	~2000
Waterproofing Available	IP54	IP67	IP67	IP67
Dimming	Dimmable	Dimmable	Dimmable	Dimmable
Cut Spacing	100mm	100mm	100mm	50mm

Drivers

Drivers, otherwise known as transformers or power supplies, are the part of a Flexstrip system that adjust the power coming in to acceptable levels to power Flexstrip lighting. They come in a variety of sizes, wattages and dimming capabilities.

Drivers

	DVRP	SMT	KV	KVG
Wiring Type	Plug In	Hardwire Cab-tire	Hardwire Junction Box	Hardwire Junction Box
Voltage	12V or 24V	12V or 24V	12V or 24V	12V or 24V
Wattage*	24W/48W/72W	36W/60W/72W/96W/120W	120W/150W/200W/300W	30W/60W/80W/120W 150W/200W/300W
Dimming	Non-Dimmable	Non-Dimmable	Non-Dimmable	Triac or 0-10V
Continuous Usage	<6 hours/day	8-12 hours/day	>12 hours/day	>12 hours/day
Waterproofing	IP20	IP67	IP67	IP67
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* Availability of wattage may vary depending on model

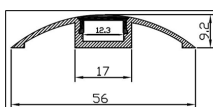
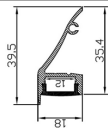
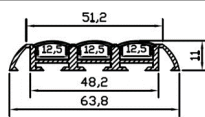
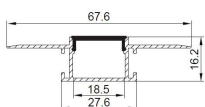
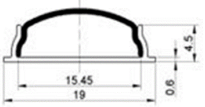





About Channel

Channel, otherwise known as track, is an aluminum housing for Flexstrip. This houses acts as both protector against physical contact, as well as heat sink for the Flexstrip extending the life of the strip within. The channel also acts a diffuser and enhancer for the light its self.

Channel

	Channel-008	Channel-013	Channel-014	Channel-021	Channel-022
Length	2.5m	2.5m	2.5m	2.5m	2.5m
Profile	Super Slim	Super Slim	Deep	Wide	Corner
Mounting	Flush Recessed	Surface	Flush Recessed	Surface	Surface
Diffusion	Clear/Frosted/Milky	Clear/Frosted/Milky	Clear/Frosted/Milky	Clear/Milky	Clear/Frosted/Milky
Size					
Image					

Channel

	Channel-021H	Channel-030	Channel-042	Channel-079	Channel-1807
Length	2.5m	2.5m	2.5m	2m	2.5m
Profile	Edgeless	Wall Wash	Triple	Drywall Recessed	Flexible
Mounting	Surface	Surface	Surface	Recessed	Surface
Diffusion	Milky	Clear	Clear/Frosted	Milky	Milky
Size					
Image					





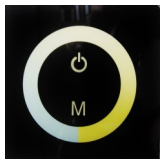
About Controls

Controls are what allow you to dim and change colour, if applicable, of your Flexstrip. The best control system will depend on the Flexstrip being used, as well as the driver selected. These two working together are what gives you the desired control.

Dimmers

	TM06	Key+Set	DSL06	D26HD	DS710
Flexstrips	Any White Flexstrip Dim to Warm	Any White Flexstrip Dim to Warm	Any White Flexstrip Dim to Warm	Any White Flexstrip Dim to Warm	Any White Flexstrip Dim to Warm
Dimming Type	Low Voltage	Low Voltage	Triac	Triac	0-10V
Dimming Control	Touch Screen	Key Fob Remote Push Buttons	Decora Slide	Decora Slide or App	Decora Slide
Drivers	DVRP SMT	DVRP SMT	KVG	KVG	KVG
Maximum Power	12V = 96W 24V = 192W	12V = 96W 24V = 192W	300W	300W	15Amp
Image					

Controllers

	Z4 Series	WiFi	D4	PWW	TM07
Flexstrips	RGB+White	RGB+White	RGW+White	Pure White to Warm White	Pure White to Warm White
Dimming Type	Low Voltage	Low Voltage	Low Voltage	Low Voltage	Low Voltage
Dimming Control	Remote and Receiver	App	Touch Screen	Remote and Receiver	Touch Screen
Drivers	DVRP SMT	DVRP SMT	DVRP SMT	DVRP SMT	DVRP SMT
Maximum Power	12V = 96W / Receiver 24V = 192W / Receiver	12V = 96W 24V = 192W	12V = 96W 24V = 192W	12V = 96W 24V = 192W	12V = 96W 24V = 192W
Image					

Installation Planner

Strip Model	
Number of sections -Length of sections -Total length	
Power Source Location/Type	
Controller	
Waterproofing	
Channel	
Wire	
Sketch	

**If you have any questions
Please call or visit our showroom**

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All products should be installed by a qualified technician in
accordance with the Canadian Electrical Code

