

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> | * | 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

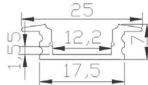
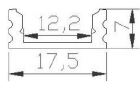

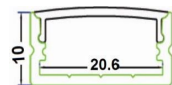




| | DVRP | SMT | KV | KVG |
|------------------|---|---|--|---|
| Wiring Type | Plug In | Hardwire Cab-tire | Hardwire Junction Box | Hardwire Junction Box |
| Voltage | 12V or 24V | 12V or 24V | 12V or 24V | 12V or 24V |
| Wattage* | 24W/48W/72W | 36W/60W/72W/96W/120W | 120W/150W/200W/300W | 30W/60W/80W/120W 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 |
| Image |  |  |  |  |

* Availability of wattage may vary depending on model

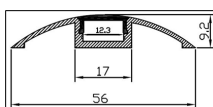
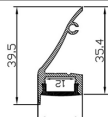
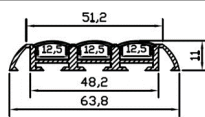
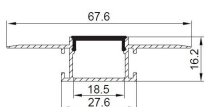
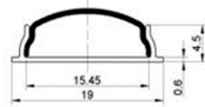


About Channel

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 | 2.5m | 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 |  |  |  |  |  |





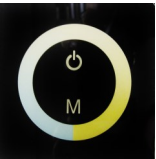
About Controls

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 |  |  |  LEVITON® |  LEVITON® |  LEVITON® |

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 | |
| 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



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