ColourFlex Flexible RGB LED Strip Specifications & Installation Guide





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Product specifications are subject to change without notice.





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Safety Notes

- Do not press On LEDs when installing
- Do not overflex strips
- Installation should only be performed by a qualified professional
- Install in accordance with all appropriate wiring standards
- Never connect a LED fitting to a driver that is powered. Doing so may result in damage to the
- Always make sure the output voltage range and output current of the LED driver match the requirements of the LED fitting. Failure to do so may result in damage both the driver and fitting.

Specifications

Inputs

			Units	
	Nominal	24		
Voltage	Min	23		
	Absolute Maximum	25		
Drive Current	Per Colour	160	na A /na	
	Total	480	mA/m	
Power	Per Colour	3.84	W/m	
	Total	11.52		
Maximum run from power connection		5	m	

Optical

	Red	Green	Blue	Combined	Units
Beam Angle	120				0
Wavelength	620 – 630	520 – 535	465 - 475		nm
Typical Lumens	57.6	130.4	38.4	226	lm/m

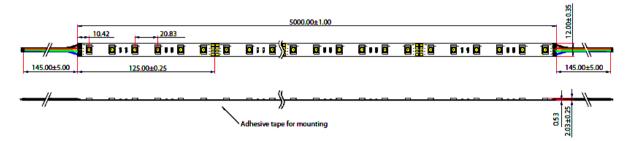


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Dimensions

All dimensions in mm



ColourFlex LED Strip is supplied in 5m Reels, LED spacing 20.83mm.

Each reel has a total of Qty 40 - 125mm segments.

Note: 125mm segment is minimum usable length.

Installation

Mounting

- Do not attempt to make sharp bends with the strip. Right angles should be achieved by cutting the strip and joining with wires.
- Over-flexing the strip may cause it to snap.
- **Do not** press on the LEDs when installing. Doing so may damage the LEDs.
- Clean the surface to be mounted to with isopropyl alcohol first.
- Do not install where water or high humidity may be present without further protection. Note that the Javelin extrusion is NOT sealed.
- Do not mount with the components or board touching any flammable surfaces.
- Do not install under mechanical stress
- Allow for expansion due to changes in temperature.
- Please be aware that while the system has a very long operational life, faults may still occur and provision needs to be made for maintenance.

Wiring

- No continuous run of strips should exceed the specified maximum run value without additional power feeds. Refer to the wiring diagram.
- Only join strips powered by the same supply

Maintenance

- Strips normally require no maintenance except for light cleaning
- Isolate from power before accessing
- Visually inspect strips at the time for any obvious faults
- The strips may be dusted with a non conductive brush. No fluids should be used
- If this procedure does not remove contaminants please contact Digilin for further advice.





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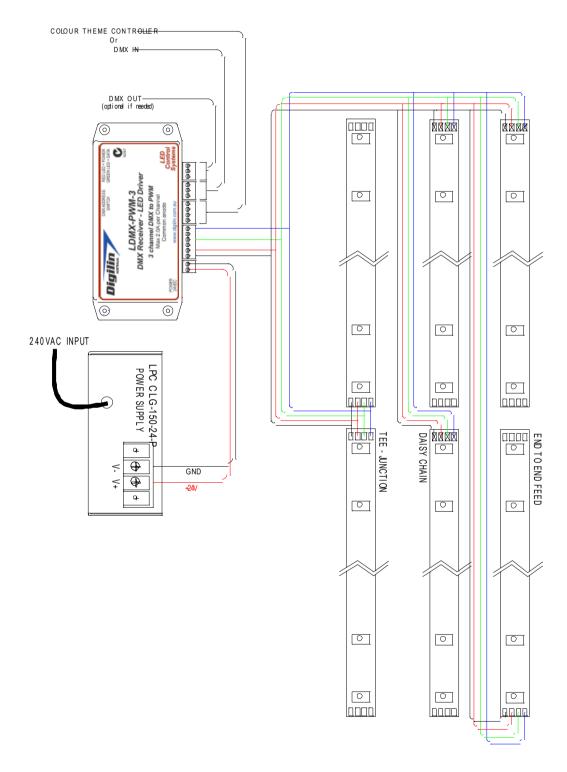


Wiring Diagram - RGB Dimming - LDMX-PWM-3

The diagram below shows 3 options to connect two 4m lengths of ColourFlex LED Strip, End To End, Daisy Chained and Tee-Junction.

Note: Do not exceed **Maximum Load Capacity** for Power Driver.

Note: Do not exceed **Maximum Length of Strip** from power connection.



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