CITY THEATRICAL
NEW YORK · LONDON

QolorFLEX® 5-in-1 LED TAPE
5050-24-RGBACW-60-5-20-1

QolorFLEX® 5-in-1
PROFESSIONAL LED LIGHTING

QolorFLEX 5050-24-RGBACW-60-5-20-1 is an interior grade 5-in-1 24V RGBACW LED Tape with high output brightness and the ability to create a wide spectrum of colors when used with a DMX colour control system. Ideal for installations for television and film, all LEDs used in QolorFLEX 5-in-1 LED Tape RGBACW are identical to create a more even illumination. Each tape comes with wiring leads on both ends and durable 3M adhesive backing. It is available in full five metre reels and sample strips.

SPECIFICATIONS:

Physical

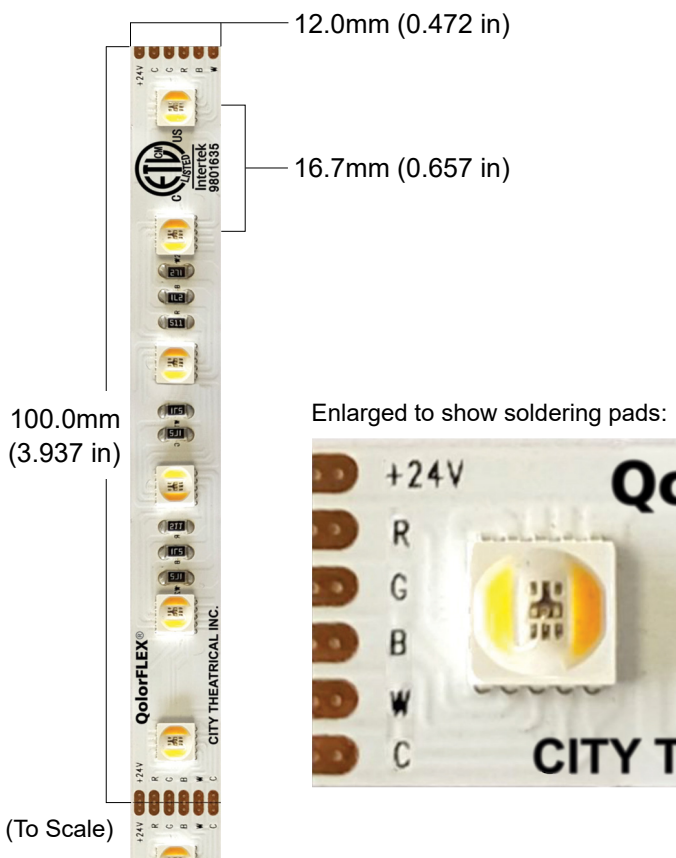|		
Length	5m	(16.404 ft)
Width	12mm	(0.472 in)
Cutting Increment	100mm	(3.937 in)
LED Spacing	16.7mm	(0.657 in)
Backing Colour	White	
Connector Type	200mm long (7.874 in) flat cable on both ends, stripped 10mm and tinned	

Output

Colour(s)	RGB+A+CW
Colour Temperature	6500 K ± 500K
Wavelength	622/518/465/588
Beam Angle	120°
Brightness	700 lumens/m
Colour Rendering Index (CRI)	≥80

Electrical

Operating Voltage	24VDC	
Current	2500 mA/5m	
Power Consumption	60 w/5m	(3.66 w/ft)
Density	60 LEDs/m	
LED Chip Size	5050	

Product Information

Use Environment	Indoor
Dimmable	Fully Dimmable
Average Life	30,000 hours
Warranty	Two years
IP Rating	IP20
Compliance	ETL, CE, RoHS

12.0mm (0.472 in)

16.7mm (0.657 in)

100.0mm (3.937 in)

(To Scale)

Enlarged to show soldering pads:

QolorFLEX LED Tape Accessories

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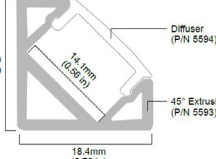
Ribbon Cables:

P/N	NAME	
6607	Ribbon Cable, Six Conductor, 18 GA	
6600	Ribbon Cable, Five Conductor, 18 GA	
6600-20	Ribbon Cable, Five Conductor, 20 GA (thinner than 18 GA)	
6608	Ribbon Cable, Four Conductor, 18 GA	
6606	Ribbon Cable, Three Conductor, 18 GA	
6605	Ribbon Cable, Two Conductor, 18 GA	

Connectors:

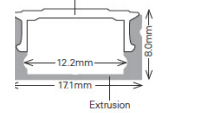| P/N	NAME	
6612	Terminal Block Connector, Six Pin, Male	
6613	Terminal Block Connector, Six Pin, Female	
6610	Terminal Block Connector, Five Pin, Male	
6611	Terminal Block Connector, Five Pin, Female	
5673	Terminal Block Connector, Four Pin Male	
5674	Terminal Block Connector, Four Pin Female	
5671	Terminal Block Connector, Three Pin Male	
5672	Terminal Block Connector, Three Pin Female	
5657	Terminal Block Connector, 2-Pin Male	
5658	Terminal Block Connector, 2-Pin Female	
6615	Female barrel to screw terminal connector	
6616	Male barrel to screw terminal connector	

Extrusions and Diffusers:

P/N	NAME	
6693	Aluminum Extrusion, 45-Degree, 2m for 45-Degree LED Tape installations	
6694	Diffuser for 45-Degree Extrusion, 2m	
6695	Diffuser for Low Profile Extrusion, 2m	
6690	Aluminum Extrusion, Low Profile, 2m	

End Caps, Tape, and Tape Clips:

P/N	NAME	
6690-1	End Cap for 6690 Aluminum Extrusion. Sold in packs of 10.	
6690-2	End Cap with hole for 6690 Extrusion. Sold in packs of 10.	
6680 6682 6684 6686	Waterproof End Caps for Outdoor-rated LED tapes. Sold in packs of 10. Sizes: 9mm w/ 2 holes 8mm (no holes) 12mm w/ 4 holes 12mm (no holes)	
6625	3M VHB Double Sided Tape Roll, 72 yards	
6630	Outdoor Tape Clips and Screws. Sold in packs of 12.	

QolorFLEX Connect 10
P/N 5748
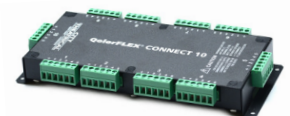
QolorFLEX Connect 10 is a practical and time saving solution for managing the multiple wire runs and numerous connections needed for large scale installations of LED tape.

Developed to complement QolorFLEX 5-in-1 LED Tape, QolorFLEX Connect 10 is a "plug-in box" that can connect up to nine runs of five, four, three, dual, or single colour LED tape to a low voltage low dimmer. Each QolorFLEX Connect 10 uses 10 six position detachable Phoenix terminal block connectors to achieve a quick and well-ordered installation. QolorFLEX Connect 10 is constructed with a Nema 4 IP 20 steel enclosure, and offers a maximum current per device of 40A and maximum load per terminal of 20A.

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citytheatrical.com/qolorflex