



RGBW24/6.0

LED Strips - RGBW

DESIGNED
IN THE USA

- Energy-efficient dynamic color RGBW linear LED strip for color-changing applications
- 12 diodes per 4" cut point
- 6 diodes for RGB and 6 diodes for static white
- Ambient operating temp: -4-110°F
- Installation temp: 50-100°F | Storage temp: -4-140°F
- Calculated L70 = 51000 hrs

1 V/WATTS	2 RATED	3 CCT	4 CONNECTOR/WIRE IN	5 CONNECTOR/WIRE OUT	6 WIRE COLOR	7 WIRE TYPE	8 ILLUMINATED LENGTH
RGBW24/6.0							

Sample Part Number: **RGBW24/6.0-DRY-RGBW-27-BW-CLS-WH-CL2-48"**

1 V/WATTS RGBW24/6.0 Voltage: 24VDC Wattage: 6.0W/ft See following pages for compatible power supplies.	2 RATED DRY IP20 DMP IP54 WET IP67	3 CCT RGBW-27 RGBW-30	4 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 Connector 24" Connector/Wire In not needed to specify product. Typical selection is BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	5 CONNECTOR/WIRE OUT BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 Connector 24" Connector/Wire Out not needed to specify product. Typical selection is CLS or BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)
6 WIRE COLOR WH White BK Black	7 WIRE TYPE CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)			8 ILLUMINATED LENGTH DRY: 4"-192" in 4" increment DMP: 4"-180" in 4" increment WET: 4"-192" in 4" increment Dry version also available in reel lengths of 16' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels. Available in reel lengths of 16' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.

COMPATIBLE EXTRUSIONS

	WIDE	ROND	TORQ	TRE3	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN
DRY	✓			✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓
DMP	✓			✓	✓	✓	✓	✓	✓		✓		✓	✓		✓
WET	✓													✓		

5 year warranty | Warranty only valid with QTL power supplies | Field modifications must comply with QTL's installation methods otherwise warranty is null & void | All data has +/- 5% tolerance | UL Listed



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3 CCT – LUMENS/CRI - DELIVERED LUMENS

DRY

[Calculated L70 = 51000 hrs]
Tested with RGBW24/6.0-DRY

CCT	Lumen/ft	Luminous Efficacy	Wavelength	Circuit Wattage
● Red	46	38 Lm/W	631	1.2
● Green	123	82 Lm/W	513	1.5
● Blue	37	30 Lm/W	464	1.2

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Pg	Circuit Wattage
● 2700K	149	100 Lm/W	93	66	92	100	1.5
● 3000K	157	105 Lm/W	93	70	91	101	1.5

DMP

[Calculated L70 = 51000 hrs]
Tested with RGBW24/6.0-DMP

CCT	Lumen/ft	Wavelength
● Red	**	**
● Green	**	**
● Blue	**	**

CCT	Lumen/ft	Wavelength
● 2700K	**	**
● 3000K	**	**

WET

[Calculated L70 = 51000 hrs]
Tested with RGBW24/6.0-WET

CCT	Lumen/ft	Wavelength
● Red	**	**
● Green	**	**
● Blue	**	**

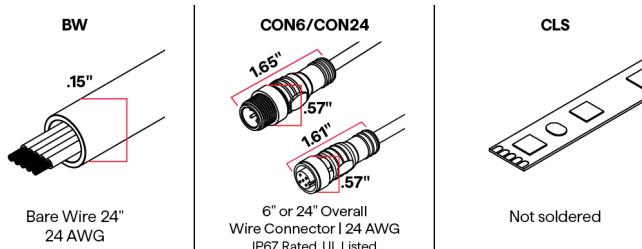
CCT	Lumen/ft	Wavelength
● 2700K	**	**
● 3000K	**	**

TEMPERATURE RATINGS

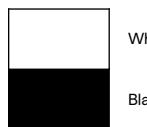
	Min	Max
Ambient Operating Temp - Surface	-4°F	110°F
Storage Temp	-4°F	140°F
Installation Temp	-50°F	100°F

4 / 5 CONNECTOR/WIRE – IN/OUT

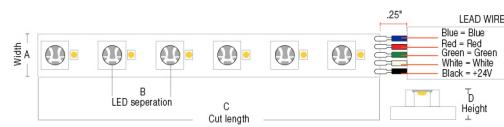
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



6 WIRE COLOR



8 ILLUMINATED LENGTH - DIMENSIONS



Section (in)	A	B	C	D
DRY (IP20)	0.47"	0.65"	4.00"	0.10"
DMP (IP54)	0.47"	0.65"	4.00"	0.10"
WET (IP67)	0.55"	0.65"	4.00"	0.18"



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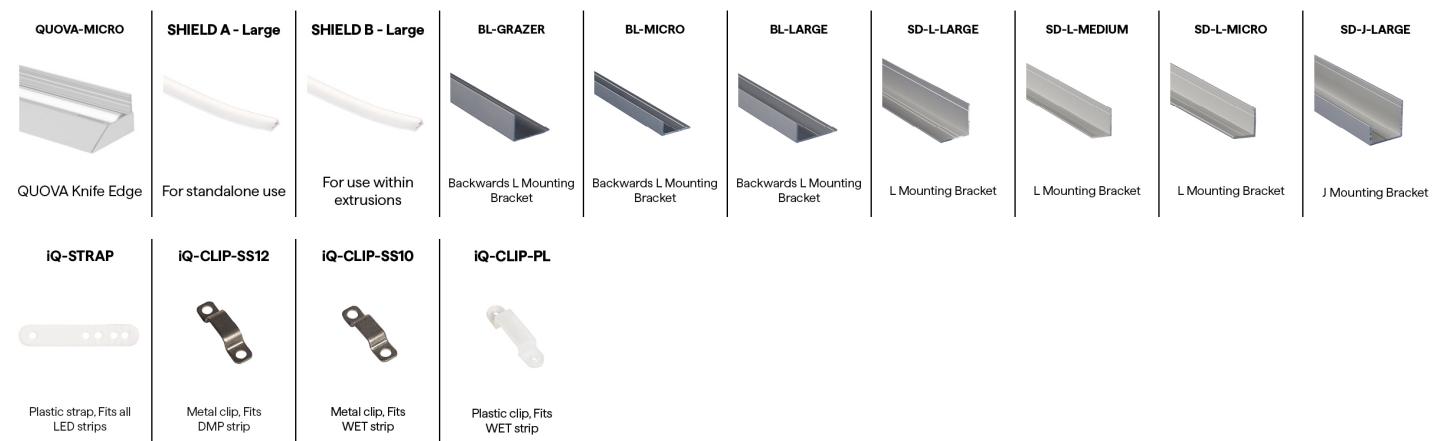
COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

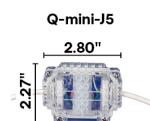
DIM TO LEVEL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES



COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)



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COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE  1.36" x 2.58" Wi-Fi or Bluetooth Connectivity	DMX-US3 	UX8 	IQ-DMX-STICK-CW4 	IQ-DMX-STICK-DE3 	IQ-DMX-STICK-GA2 
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COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage