



RGBW24/6.0

LED Strips - RGBW



Declare.



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

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

1	2	3	4	5
V/WATTS	RATED	CCT - LUMENS/CRI	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT
RGBW24/6.0 Voltage: 24VDC Wattage: 6.0W/ft See following pages for compatible power supplies.	DRY IP20	RGBW-27 RGBW-30	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)	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)
	DMP IP54	RGBW-27 RGBW-30	BW Bare Wire (Standard 24") 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)	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)
	WET IP67	RGBW-27 RGBW-30	BW Bare Wire (Standard 24") 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)	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	7	8
WIRE COLOR	WIRE TYPE	ILLUMINATED LENGTH
DRY WH White BK Black	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	4"-192" 4" increments 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.
DMP WH White BK Black	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	4"-180" 4" increments
WET WH White BK Black	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	4"-192" 4" increments

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

[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

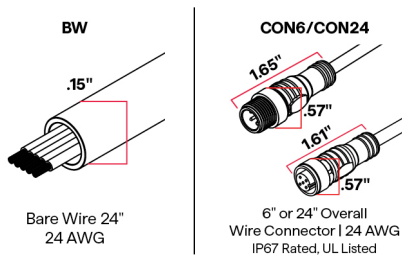
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2700K	149	100 Lm/W	93	66	92	100	1.5
3000K	157	105 Lm/W	93	70	91	101	1.5

TEMPERATURE RATINGS

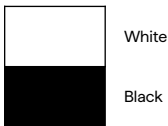
	Min	Max
Ambient Operating Temp - Surface	-4°F	110°F
Storage Temp	-4°F	140°F
Installation Temp	-50°F	100°F

4 / 5 CONNECTOR/WIRE – IN/OUT

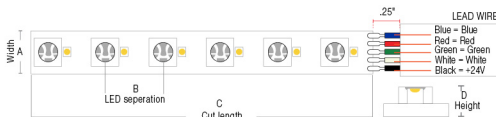
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



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"

COMPATIBLE EXTRUSIONS

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



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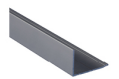
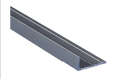
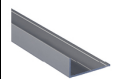
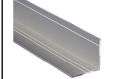

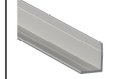
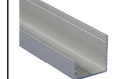




COMPATIBLE POWER SUPPLIES

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

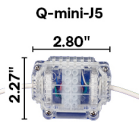
QUOVA-MICRO  QUOVA Knife Edge	SHIELD A - Large  For standalone use	SHIELD B - Large  For use within extrusions	BL-GRAZER  Backwards L Mounting Bracket	BL-MICRO  Backwards L Mounting Bracket	BL-LARGE  Backwards L Mounting Bracket	SD-L-LARGE  L Mounting Bracket	SD-L-MEDIUM  L Mounting Bracket	SD-L-MICRO  L Mounting Bracket	SD-J-LARGE  J Mounting Bracket
IQ-STRAP  Plastic strap, Fits all LED strips	IQ-CLIP-SS12  Metal clip, Fits DMP strip	IQ-CLIP-SS10  Metal clip, Fits WET strip	IQ-CLIP-PL  Plastic clip, Fits WET strip						



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COMPATIBLE WIRING ACCESSORIES



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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE  1.36" 2.58" Wi-Fi or Bluetooth Connectivity	DMX-US3  DMX-based controller	UX8  Easy-to-use DMX-based controller	IQ-DMX-STICK-CW4  DMX controller for changing color & dimming	IQ-DMX-STICK-DE3  DMX controller for changing color & dimming	IQ-DMX-STICK-GA2  DMX controller for changing color & dimming
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COMPATIBLE APPS

NFC APP

Read and write DMX addresses and adjust voltage