



# 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	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	V/WATTS		2	RATED		3	CCT		4	CONNECTOR/WIRE IN		5	CONNECTOR/WIRE OUT				
RGBW24/6.0			DRY IP20 DMP IP54 WET IP67			RGBW-27 RGBW-30			BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 Connector 24"			BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 Connector 24"					
Voltage: 24VDC Wattage: 6.0W/ft See following pages for compatible power supplies.									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)			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					7	WIRE TYPE					8	ILLUMINATED LENGTH				
WH White BK Black						CL2 Class 2 CL2P Class 2 Plenum Rated  CL2P only available with bare wire leads (BW)						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	ROUND	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 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

### 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	**	**

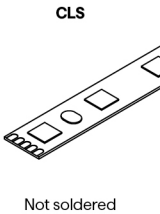
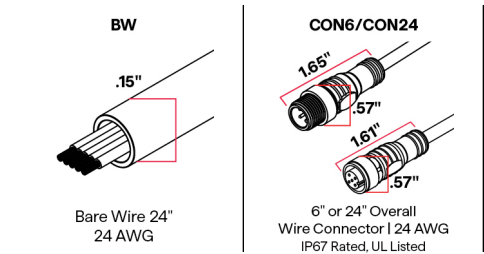
CCT	Lumen/ft	Wavelength
2700K	**	**
3000K	**	**

## 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

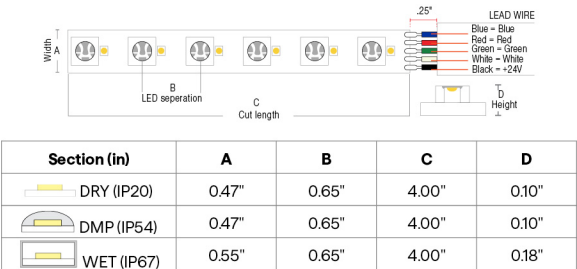
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



## 6 WIRE COLOR



## 8 ILLUMINATED LENGTH - DIMENSIONS





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

### COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"

2.27"







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



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## COMPATIBLE CONTROL ACCESSORIES

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

**NFC APP**  
  
Read and write DMX addresses and adjust voltage