

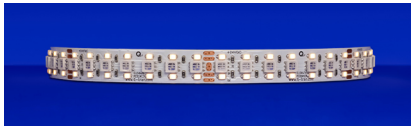


RGBW-HE24/4.0

LED Strips - RGBW High Efficacy



Declare.



- High efficacy dynamic color LED linear strip
- 21 diodes per 2" cut point, 7 for RGB and 14 for static white
- Delivers more color and a more brilliant white
- Ambient operating temp: -4-125°F
- Installation temp: 50-100°F | Storage temp: -4-176°F
- Calculated L70 = 51000 hrs

1 V/WATTS	2 RATED	3 CCT - LUMENS/CRI	4 CONNECTOR/WIRE IN	5 CONNECTOR/WIRE OUT	6 WIRE COLOR	7 WIRE TYPE	8 ILLUMINATED LENGTH
RGBW-HE24/4.0							

Sample Part Number: **RGBW-HE24/4.0-DRY-IP20-CL2-BW-CLS-WH-CL2-48"**

1 V/WATTS	2 RATED	3 CCT - LUMENS/CRI	4 CONNECTOR/WIRE IN	5 CONNECTOR/WIRE OUT
RGBW-HE24/4.0 Voltage: 24VDC Wattage: 4.0W/ft See following pages for compatible power supplies.	DRY IP20	RGBW-27 RGBW-30 RGBW-35 RGBW-40	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 RGBW-35 RGBW-40	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 RGBW-35 RGBW-40	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 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)	2"-288" 2" increments Available in reel lengths of 24' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.		
WH White BK Black	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	2"-180" 2" increments		
WH White BK Black	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	2"-288" 2" 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 | QTL recommends RGBW-HE strips be mounted in an extrusion | Title 24 - JA8-2019 Strips: DRY and WET rated, 2000K and above | All RGBW-HE strips are recommended to be connected to lead wire at QTL factory | QTL does not recommend use with optical lenses



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3 CCT – LUMENS/CRI - DELIVERED LUMENS

[Calculated L70 = 51000 hrs]
Tested with RGBW-HE24/4.0-DRY

CCT	Lumen/ft	Luminous Efficacy	Wavelength	Circuit Wattage
Red	40	53 Lm/W	629	0.77
Green	153	123 Lm/W	516	1.2
Blue	33	31 Lm/W	465	1.1

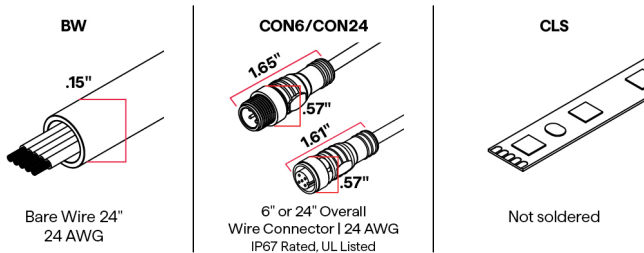
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2700K	89	103 Lm/W	96	98	94	100	0.86
3000K	94	108 Lm/W	97	97	93	100	0.86
3500K	104	128 Lm/W	98	98	92	100	0.82
4000K	99	122 Lm/W	97	91	91	99	0.82

TEMPERATURE RATINGS

	Min	Max
Ambient Operating Temp - Surface	-4°F	125°F
Storage Temp	-4°F	176°F
Installation Temp	-50°F	100°F

4 / 5 CONNECTOR/WIRE – IN/OUT

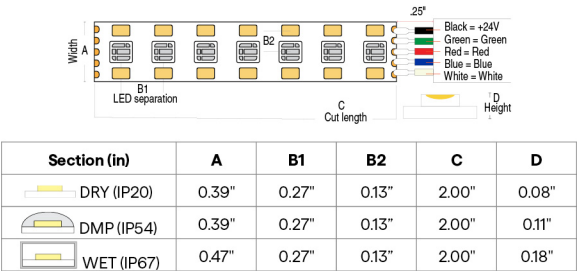
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



6 WIRE COLOR



8 ILLUMINATED LENGTH - DIMENSIONS



COMPATIBLE EXTRUSIONS

	WIDE	ROUND	TORQ	TRE3	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN
DRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
DMP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
WET	✓				✓	✓	✓	✓			EXCLUDES 30°, 45°, 60° LENS		✓	✓		NO LENS



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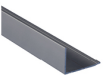
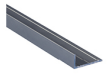
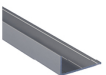
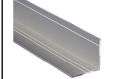

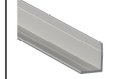
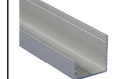
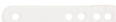



COMPATIBLE POWER SUPPLIES

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

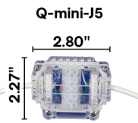
QUOVA-MICRO  QUOVA Knife Edge	SHIELD A - Medium  For standalone use	SHIELD B - Medium  For use within extrusions	BL-GRAZER  Backwards L Mounting Bracket	BL-MICRO  Backwards L Mounting Bracket	BL-LARGE  Backwards L Mounting Bracket	SD-L-LARGE  L Mounting Bracket	SD-L-MEDIUM  L Mounting Bracket	SD-L-MICRO  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