

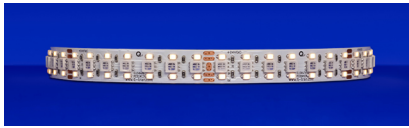


# RGBW-HE24/4.0

## 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
<b>RGBW-HE24/4.0</b>  Voltage: 24VDC Wattage: 4.0W/ft See following pages for compatible power supplies.	<b>DRY</b> IP20	<b>RGBW-27</b> <b>RGBW-30</b> <b>RGBW-35</b> <b>RGBW-40</b>	<b>BW</b> Bare Wire (Standard 24") <b>CLS</b> Closed End (No feed) <b>CON6</b> Connector 6" <b>CON24</b> 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)	<b>BW</b> Bare Wire (Standard 24") <b>CLS</b> Closed End (No feed) <b>CON6</b> Connector 6" <b>CON24</b> 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)
	<b>DMP</b> IP54	<b>RGBW-27</b> <b>RGBW-30</b> <b>RGBW-35</b> <b>RGBW-40</b>	<b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> 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)	<b>BW</b> Bare Wire (Standard 24") <b>CLS</b> Closed End (No feed) <b>CON6</b> Connector 6" <b>CON24</b> 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)
	<b>WET</b> IP67	<b>RGBW-27</b> <b>RGBW-30</b> <b>RGBW-35</b> <b>RGBW-40</b>	<b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> 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)	<b>BW</b> Bare Wire (Standard 24") <b>CLS</b> Closed End (No feed) <b>CON6</b> Connector 6" <b>CON24</b> 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		
<b>WH</b> White <b>BK</b> Black	<b>CL2</b> Class 2 <b>CL2P</b> Class 2 Plenum Rated  CL2P only available with bare wire leads (BW)	<b>2"-288"</b> 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.		
<b>WH</b> White <b>BK</b> Black	<b>CL2</b> Class 2 <b>CL2P</b> Class 2 Plenum Rated  CL2P only available with bare wire leads (BW)	<b>2"-180"</b> 2" increments		
<b>WH</b> White <b>BK</b> Black	<b>CL2</b> Class 2 <b>CL2P</b> Class 2 Plenum Rated  CL2P only available with bare wire leads (BW)	<b>2"-288"</b> 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



# RGBW-HE24/4.0

LED Strips - RGBW High Efficacy

## 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

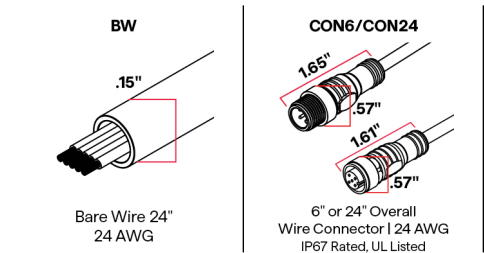
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2700K	89	103 Lm/W	96	98	94	100	0.86
3000K	94	108 Lm/W	97	97	93	100	0.86
3500K	104	128 Lm/W	98	98	92	100	0.82
4000K	99	122 Lm/W	97	91	91	99	0.82

## 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

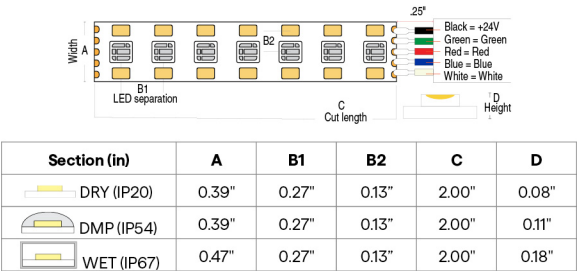
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



## 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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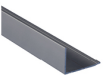
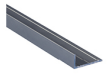
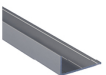
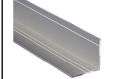

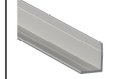
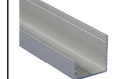
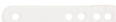



## COMPATIBLE POWER SUPPLIES

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

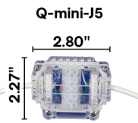
<b>QUOVA-MICRO</b>  QUOVA Knife Edge	<b>SHIELD A - Medium</b>  For standalone use	<b>SHIELD B - Medium</b>  For use within extrusions	<b>BL-GRAZER</b>  Backwards L Mounting Bracket	<b>BL-MICRO</b>  Backwards L Mounting Bracket	<b>BL-LARGE</b>  Backwards L Mounting Bracket	<b>SD-L-LARGE</b>  L Mounting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

<b>SCENE APP DONGLE</b>  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