

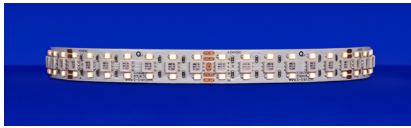


RGBW-HE24/8.0

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
- Deliver more color and a more brilliant white
- Ambient operating temp: -4-90°F
- Installation temp: 50-100°F | Storage temp: -4-176°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
RGBW-HE24/8.0	DRY						

Sample Part Number: **RGBW-HE24/8.0-DRY-RGBW-27-BW-CLS-WH-CL2-48"**

<div>1</div> <div>V/WATTS</div> <div>RGBW-HE24/8.0</div> <div>Voltage: 24VDC Wattage: 8.0W/ft See following pages for compatible power supplies.</div>	<div>2</div> <div>RATED</div> <div>DRY IP20</div>	<div>3</div> <div>CCT</div> <div>RGBW-27 RGBW-30 RGBW-35 RGBW-40 RGBW-HE-40</div>	<div>4</div> <div>CONNECTOR/WIRE IN</div> <div>BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 Connector 24"</div> <div>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)</div>	<div>5</div> <div>CONNECTOR/WIRE OUT</div> <div>BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 Connector 24"</div> <div>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)</div>
<div>6</div> <div>WIRE COLOR</div> <div>WH White BK Black</div>	<div>7</div> <div>WIRE TYPE</div> <div>CL2 Class 2 CL2P Class 2 Plenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div>	<div>8</div> <div>ILLUMINATED LENGTH</div> <div>DRY: 2"-144" in 2" increment</div> <div>Dry version also available in reel lengths of 12' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.</div> <div>Available in reel lengths of 12' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.</div>		

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 | QTL recommends RGBW-HE strips be mounted in an extrusion | All RGBW-HE strips are recommended to be connected to lead wire at QTL factory | QTL does not recommend use with optical lenses



RGBW-HE24/8.0

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3 CCT – LUMENS/CRI - DELIVERED LUMENS

DRY

[Calculated L70 = 51000 hrs]
Tested with RGBW-HE24/8.0-DRY

CCT	Lumen/ft	Luminous Efficacy	Wavelength	Circuit Wattage
Red	96	49 Lm/W	631	2.0
Green	201	109 Lm/W	516	1.8
Blue	47	29 Lm/W	465	1.7

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2700K	248	109 Lm/W	97	98	93	100	2.3
3000K	285	116 Lm/W	97	98	92	99	2.4
3500K	257	123 Lm/W	98	98	93	100	2.1
4000K	255	122 Lm/W	97	92	92	100	2.1

DMP

[Calculated L70 = 51000 hrs]
Tested with RGBW-HE24/8.0-DMP

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

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

WET

[Calculated L70 = 51000 hrs]
Tested with RGBW-HE24/8.0-WET

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

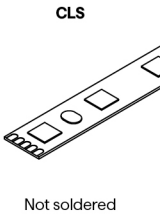
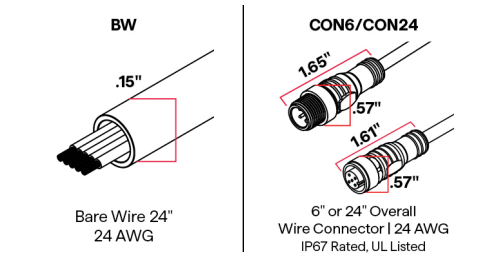
CCT	Lumen/ft	Wavelength
2700K	**	**
3000K	**	**

TEMPERATURE RATINGS

	Min	Max
Ambient Operating Temp - Surface	-4°F	90°F
Storage Temp	-4°F	176°F
Installation Temp	-50°F	100°F

4 / 5 CONNECTOR/WIRE – IN/OUT

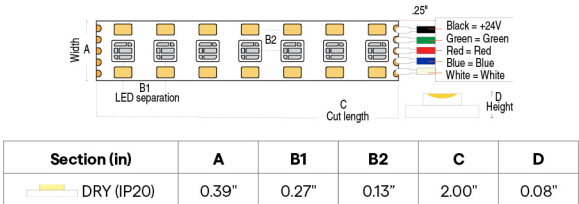
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



6 WIRE COLOR



8 ILLUMINATED LENGTH - DIMENSIONS





RGBW-HE24/8.0

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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
	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle

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

COMPATIBLE MOUNTING ACCESSORIES

QUOVA-MICRO	BL-GRAZER	BL-MICRO	BL-LARGE	SD-L-LARGE	SD-L-MEDIUM	SD-L-MICRO	SD-J-LARGE	IQ-STRAP
QUOVA Knife Edge	Backwards L Mounting Bracket	Backwards L Mounting Bracket	Backwards L Mounting Bracket	L Mounting Bracket	L Mounting Bracket	L Mounting Bracket	J Mounting Bracket	Plastic strap, Fits all LED strips

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

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