

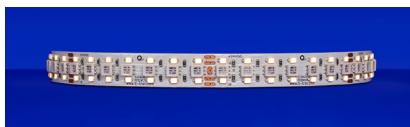


RGBW-HE24/8.0

LED Strips - RGBW High Efficacy

DESIGNED
IN THE USA

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 V/WATTS	2 RATED	3 CCT	4 CONNECTOR/WIRE IN	5 CONNECTOR/WIRE OUT	6 WIRE COLOR	7 WIRE TYPE	8 ILLUMINATED LENGTH
RGBW-HE24/8.0	DRY						

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

1 V/WATTS RGBW- HE24/8.0 Voltage: 24VDC Wattage: 8.0W/ft See following pages for compatible power supplies.	2 RATED DRY IP20	3 CCT RGBW-27 RGBW-30 RGBW-35 RGBW-40 RGBW-HE-40	4 CONNECTOR/WIRE IN 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)	5 CONNECTOR/WIRE OUT 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 WH White BK Black	7 WIRE TYPE CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)		8 ILLUMINATED LENGTH DRY: 2"-144" in 2" increment 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. 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.	

COMPATIBLE EXTRUSIONS

	WIDE	ROND	TORQ	TRE3	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MIDN	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



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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 Pg	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	**	**

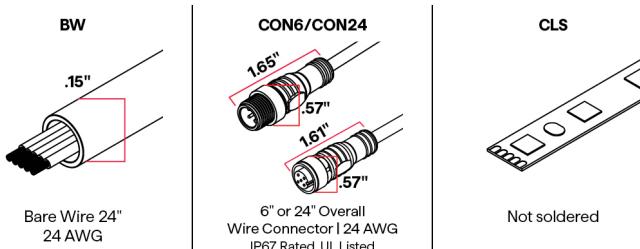
CCT	Lumen/ft	Wavelength
● 2700K	**	**
● 3000K	**	**

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

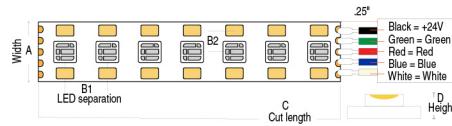
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



6 WIRE COLOR



8 ILLUMINATED LENGTH - DIMENSIONS



Section (in)	A	B1	B2	C	D
DRY (IP20)	0.39"	0.27"	0.13"	2.00"	0.08"



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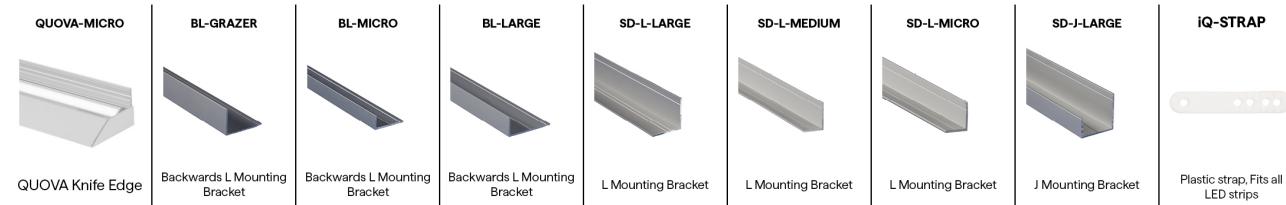
COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

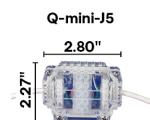
DIM TO LEVEL	INDOOR
	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle

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



COMPATIBLE WIRING ACCESSORIES



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



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COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE  1.36" x 2.58" Wi-Fi or Bluetooth Connectivity	DMX-US3 	UX8 	IQ-DMX-STICK-CW4 	IQ-DMX-STICK-DE3 	IQ-DMX-STICK-GA2 
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COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage