

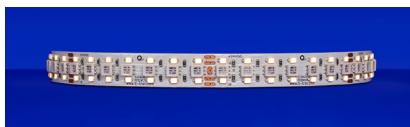


# RGBW-HE24/4.0

## 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	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-RGBW-27-BW-CLS-WH-CL2-48"**

<b>1</b> <b>V/WATTS</b>  RGBW-HE24/4.0  Voltage: 24VDC Wattage: 4.0W/ft See following pages for compatible power supplies.	<b>2</b> <b>RATED</b>  DRY IP20 DMP IP54 WET IP67	<b>3</b> <b>CCT</b>  RGBW-27 RGBW-30 RGBW-35 RGBW-40 RGBW-HE-40	<b>4</b> <b>CONNECTOR/WIRE IN</b>  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)	<b>5</b> <b>CONNECTOR/WIRE OUT</b>  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)
<b>6</b> <b>WIRE COLOR</b>  WH White BK Black	<b>7</b> <b>WIRE TYPE</b>  CL2 Class 2 CL2P Class 2 Plenum Rated  CL2P only available with bare wire leads (BW)			<b>8</b> <b>ILLUMINATED LENGTH</b>  DRY: 2"-288" in 2" increment DMP: 2"-180" in 2" increment WET: 2"-288" in 2" increment  Dry version also 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.  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.

## COMPATIBLE EXTRUSIONS

	WIDE	ROND	TORQ	TRES	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN
DRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
DMP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
WET	✓				✓	✓	✓	✓			✓ EXCLUDES 30°, 45°, 60° LENS		✓	✓		✓

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 - JAB-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

#### DRY

[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 Pg	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

#### DMP

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

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

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

#### WET

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

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

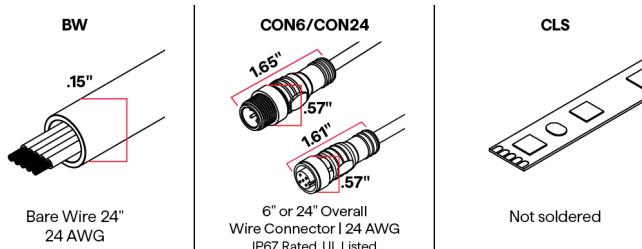
CCT	Lumen/ft	Wavelength
2700K	**	**
3000K	**	**

### TEMPERATURE RATINGS

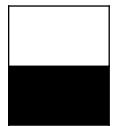
	Min	Max
Ambient Operating Temp - Surface	-4°F	125°F
Storage Temp	-4°F	176°F
Installation Temp	-50°F	100°F

### 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

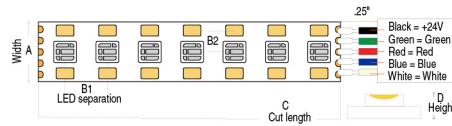


### 6 WIRE COLOR



White  
Black

### 8 ILLUMINATED LENGTH - DIMENSIONS



Section (in)	A	B1	B2	C	D
DRY (IP20)	0.39"	0.27"	0.13"	2.00"	0.08"
DMP (IP54)	0.39"	0.27"	0.13"	2.00"	0.11"
WET (IP67)	0.47"	0.27"	0.13"	2.00"	0.18"



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### COMPATIBLE POWER SUPPLIES

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

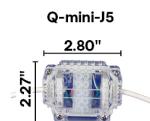
DIM TO LEVEL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle	

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 - Medium	SHIELD B - Medium	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



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" x 2.58" Wi-Fi or Bluetooth Connectivity	<b>DMX-US3</b> 	<b>UX8</b> 	<b>IQ-DMX-STICK-CW4</b> 	<b>IQ-DMX-STICK-DE3</b> 	<b>IQ-DMX-STICK-GA2</b> 
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### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage