

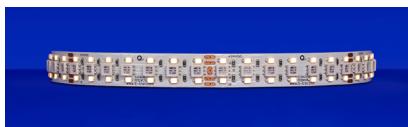


RGBW-HE24/4.0

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-RGBW-27-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 CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" 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 CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" 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 CON6 CON24 Bare Wire (Standard 24") Connector 6" 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 CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" 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 CON6 CON24 Bare Wire (Standard 24") Connector 6" 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 CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" 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
DRY	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.
	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	2"-180" 2" increments
	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	2"-288" 2" increments
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 | 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

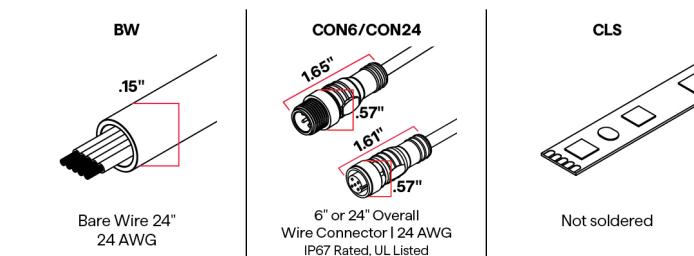
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2700K	89	103 Lm/W	96	98	94	100	0.86
3000K	94	108 Lm/W	97	97	93	100	0.86
3500K	104	128 Lm/W	98	98	92	100	0.82
4000K	99	122 Lm/W	97	91	91	99	0.82

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



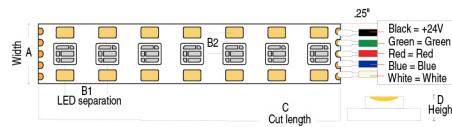
6 WIRE COLOR



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"

COMPATIBLE EXTRUSIONS

	WIDE	ROND	TORQ	TRE3	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN
DRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
DMP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WET	✓				✓	✓	✓	✓								✓

EXCLUDES 30°, 45°, 60° LENS



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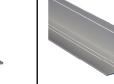
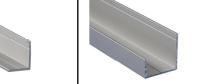
COMPATIBLE POWER SUPPLIES

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

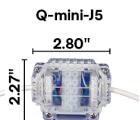
 QUOVA-Knife Edge	 For standalone use	 For use within extrusions	 Backwards L Mounting Bracket	 Backwards L Mounting Bracket	 Backwards L Mounting Bracket	 L Mounting Bracket	 L Mounting Bracket	 L Mounting Bracket	 J Mounting Bracket
 Plastic strap. Fits all LED strips	 Metal clip. Fits DMP strip	 Metal clip. Fits WET strip	 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	DMX-US3	UX8	IQ-DMX-STICK-CW4	IQ-DMX-STICK-DE3	IQ-DMX-STICK-GA2
 1.36" width 2.58" height Wi-Fi or Bluetooth Connectivity	 DMX-based controller	 Easy-to-use DMX-based controller	 DMX controller for changing color & dimming	 DMX controller for changing color & dimming	 DMX controller for changing color & dimming

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage