



# RGB24/6.0

## LED Strips - RGB



Declare.



- Energy efficient dynamic color RGB linear LED strip for color changing applications
- Available in dry, damp, and wet ratings
- Delivers 202 lumens/ft in green and 338 lumens/ft with all LEDs on
- 7 diodes per 2" cut point
- Ambient operating temp: -13-110°F
- Installation temp: 50-100°F | Storage temp: -13-176°F
- Calculated L70 = 52000 hrs

1	2	3	4	5	6	7	8
V/WATTS	RATED	CCT - LUMENS/CRI	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT	WIRE COLOR	WIRE TYPE	ILLUMINATED LENGTH
RGB24/6.0		RGB					

Sample Part Number: **RGB24/6.0-DRY-RGB-BW-CLS-WH-CL2-48"**

1	2	3	4	5
V/WATTS	RATED	CCT - LUMENS/CRI	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT
<b>RGB24/6.0</b>  Voltage: 24VDC Wattage: 6.0W/ft See following pages for compatible power supplies.	<b>DRY</b> IP20	<b>RGB</b>  Delivered Lumens/ft: Red 100 Green 202 Blue 57 All 338	<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>RGB</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>RGB</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	7	8		
WIRE COLOR	WIRE TYPE	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"-192"</b> 2" increments  Available in reel lengths of 16' (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"-192"</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



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## 3 CCT – LUMENS/CRI - DELIVERED LUMENS

[Calculated L70 = 52000 hrs]  
Tested with RGB24/6.0-DRY

CCT	Lumen/ft	Luminous Efficacy	Wavelength	Circuit Wattage
Red	100	41 Lm/W	632	2.4
Green	202	109 Lm/W	521	1.9
Blue	57	34 Lm/W	469	1.7
All	338	56 Lm/W	-	6.0

## TEMPERATURE RATINGS

	6.0 W/FT	
	Min	Max
Ambient Operating Temp - Surface	-13°F	110°F
Storage Temp	-13°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

**BW**

Bare Wire 24"  
24 AWG

**CON6/CON24**

6" or 24" Overall  
Wire Connector | 24 AWG  
IP67 Rated, UL Listed

**CLS**

Not soldered

## 6 WIRE COLOR

White

Black

## 8 ILLUMINATED LENGTH - DIMENSIONS

Width  
LED separation  
Cut length  
Height  
Black = +24V  
Blue = Blue  
Red = Red  
Green = Green

Section (in)	A	B	C	D
DRY (IP20)	0.39"	0.28"	2.00"	0.09"
DMP (IP54)	0.39"	0.28"	2.00"	0.12"
WET (IP67)	0.47"	0.28"	2.00"	0.18"

## 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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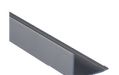
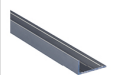
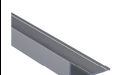
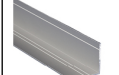

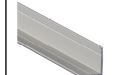
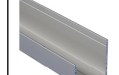




## COMPATIBLE POWER SUPPLIES

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

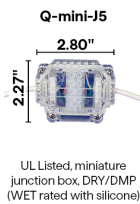
DIM TO LEVEL	INDOOR	OUTDOOR
	RGB	RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGB	RGB
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

## 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 VET strip	<b>IQ-CLIP-PL</b>  Plastic clip, Fits VET strip						

## COMPATIBLE WIRING ACCESSORIES











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## COMPATIBLE CONTROL ACCESSORIES

<b>SCENE APP DONGLE</b>  1.36" 2.58" 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