



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	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-CL2-48"**

1	V/WATTS	2	RATED	3	CCT	4	CONNECTOR/WIRE IN	5	CONNECTOR/WIRE OUT
RGB24/6.0 Voltage: 24VDC Wattage: 6.0W/ft See following pages for compatible power supplies.		DRY IP20 DMP IP54 WET IP67		RGB Delivered Lumens/ft: Red 100 Green 202 Blue 57 All 338		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)		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			7	WIRE TYPE		8	ILLUMINATED LENGTH	
WH White BK Black			CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)				DRY: 2"-192" in 2" increment DMP: 2"-180" in 2" increment WET: 2"-192" in 2" increment Dry version also 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. 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.		

COMPATIBLE EXTRUSIONS

	WIDE	ROUND	TORG	TRES	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN
DRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DMP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
WET	✓				✓	✓	✓	✓			EXCLUDES 30', 45', 60" LENS		✓	✓		NO 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



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3 CCT – LUMENS/CRI - DELIVERED LUMENS

DRY

[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

DMP

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

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

WET

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

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

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

25"
Black = +24V
Blue = Blue
Red = Red
Green = Green
T_D Height

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"



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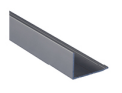
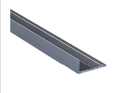
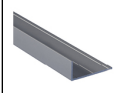
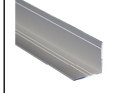
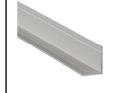
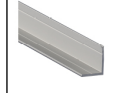
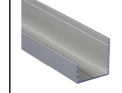




COMPATIBLE POWER SUPPLIES

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

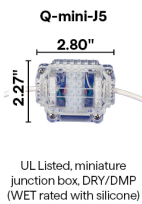
DIM TO LEVEL	INDOOR	OUTDOOR
	RGB	RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle	

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

QUOVA-MICRO  QUOVA Knife Edge	SHIELD A - Medium  For standalone use	SHIELD B - Medium  For use within extrusions	BL-GRAZER  Backwards L Mounting Bracket	BL-MICRO  Backwards L Mounting Bracket	BL-LARGE  Backwards L Mounting Bracket	SD-L-LARGE  L Mounting Bracket	SD-L-MEDIUM  L Mounting Bracket	SD-L-MICRO  L Mounting Bracket	SD-J-LARGE  J Mounting Bracket
iQ-STRAP  Plastic strap, Fits all LED strips	iQ-CLIP-SS12  Metal clip, Fits DMP strip	iQ-CLIP-SS10  Metal clip, Fits WET strip	iQ-CLIP-PL  Plastic clip, Fits WET strip						

COMPATIBLE WIRING ACCESSORIES











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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