RGBW24/6.0
LED Strips - RGBW

- Energy-efficient dynamic color RGBW linear LED strip for color-changing applications
- 12 diodes per 4" cut point
- 6 diodes for RGB and 6 diodes for static white
- Ambient operating temp: -4-110°F
- Installation temp: 50-100°F | Storage temp: -4-140°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
RGBW24/6.0							

Sample Part Number: **RGBW24/6.0-DRY-RGBW-27-BW-CLS-WH-CL2-48"**

① V/WATTS

RGBW24/6.0

Voltage: 24VDC
Wattage: 6.0W/ft
See following pages for compatible power supplies.

② RATED

DRY IP20

DMP IP54

WET IP67

③ CCT - LUMENS/CRI

RGBW-27
RGBW-30

RGBW-27
RGBW-30

RGBW-27
RGBW-30

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)

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⑤ CONNECTOR/WIRE OUT

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⑥ WIRE COLOR

DRY
WH White
BK Black

DMP
WH White
BK Black

WET
WH White
BK Black

⑦ WIRE TYPE

CL2 Class 2
CL2P Class 2 Plenum Rated

CL2P only available with bare wire leads (BW)

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CL2P Class 2 Plenum Rated

CL2P only available with bare wire leads (BW)

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CL2P Class 2 Plenum Rated

CL2P only available with bare wire leads (BW)

⑧ ILLUMINATED LENGTH

4"-192" 4" 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.

4"-180" 4" increments

4"-192" 4" increments

3 CCT – LUMENS/CRI - DELIVERED LUMENS

[Calculated L70 = 51000 hrs]
Tested with RGBW24/6.0-DRY

CCT	Lumen/ft	Luminous Efficacy	Wavelength	Circuit Wattage
🔴 Red	46	38 Lm/W	631	1.2
🟢 Green	123	82 Lm/W	513	1.5
🔵 Blue	37	30 Lm/W	464	1.2
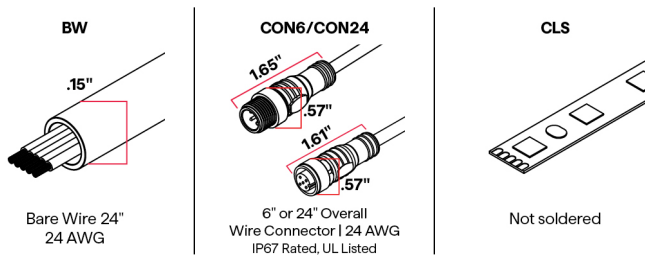
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
🟡 2700K	149	100 Lm/W	93	66	92	100	1.5
🟡 3000K	157	105 Lm/W	93	70	91	101	1.5

TEMPERATURE RATINGS
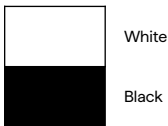
	Min	Max
Ambient Operating Temp - Surface	-4°F	110°F
Storage Temp	-4°F	140°F
Installation Temp	-50°F	100°F

4 / 5 CONNECTOR/WIRE – IN/OUT
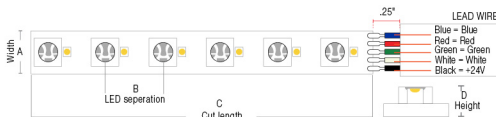
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

BW

.15"

Bare Wire 24"
24 AWG

CON6/CON24

1.65"
.57"
1.61"
.57"

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"

LEAD WIRE
Blue = Blue
Red = Red
Green = Green
White = White
Black = +24V

Width A

B LED seperation

C Cut length

D Height

Section (in)	A	B	C	D
DRY (IP20)	0.47"	0.65"	4.00"	0.10"
DMP (IP54)	0.47"	0.65"	4.00"	0.10"
WET (IP67)	0.55"	0.65"	4.00"	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	✔													✔		
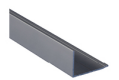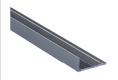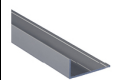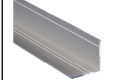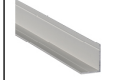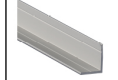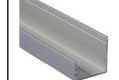
COMPATIBLE POWER SUPPLIES

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	

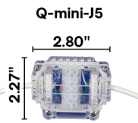| DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

QUOVA-MICRO	SHIELD A - Large	SHIELD B - Large	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

Q-mini-J5

2.80"

2.27"

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" 2.58"					
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

Q-NFC

Read and write
DMX addresses and
adjust voltage