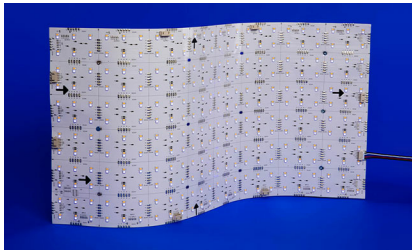




Q-SHEETS RGBW
24VDC Dimmable Flexible Sheet



- Provide even illumination
- Easy to install and field modifiable
- Dimmable with compatible QTL DC power supplies
- Max number of sheets per 96W circuit: 2 sheets
- 3 step MacAdam ellipse binning
- UL Listed

1 PRODUCT	2 WATTAGE	3 RATED	4 CCT	5 QUANTITY
QS24	46W			

Sample Part Number: QS24-46W-DRY-RGBW-30-2

1 PRODUCT	2 WATTAGE	3 RATED	4 CCT	5 QUANTITY
QS24 See last page for compatible power supplies.	46W	DRY IP20 DMP IP54	RGBW-22 RGBW 2200K RGBW-25 RGBW 2500K RGBW-27 RGBW 2700K RGBW-30 RGBW 3000K RGBW-35 RGBW 3500K RGBW-50 RGBW 5000K RGBW-62 RGBW 6200K	Sold in individual sheets

Field modifications must comply with QTL's installation methods otherwise warranty is null & void | All data has +/- 10% tolerance | Warranty only valid with QTL power supplies | 3 year warranty



Q-SHEETS RGBW

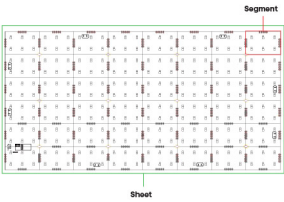
24VDC Dimmable Flexible Sheet

4 CCT – DELIVERED LUMENS

46W
[Calculated L70 = 54000 hrs]

CCT	Lm/Sheet	Lm/Segment	Lm/Sq. Ft	Luminous Efficacy	Wavelength (nm)	Circuit Wattage/Sheet
Red	431	9	216	39 Lm/W	631	10.99
Green	1267	26	634	101 Lm/W	519	12.53
Blue	260	5	130	22 Lm/W	463	11.78

CCT	Lm/Sheet	Lm/Segment	Lm/Sq. Ft	Luminous Efficacy	CRI Ra	Circuit Wattage/Sheet
2200K	974	20	487	81 Lm/W	96	11.98
2500K	1031	21	516	86 Lm/W	96	11.93
2700K	1167	24	584	96 Lm/W	96	12.1
3000K	1173	24	587	98 Lm/W	98	11.93
3500K	1195	25	598	100 Lm/W	97	11.98
4000K	1200	25	600	100 Lm/W	97	11.98
5000K	1282	27	641	107 Lm/W	97	11.98
6200K	1233	26	617	103 Lm/W	97	11.98



TEMPERATURE RATINGS

		Min	Max
DRY	Ambient Operating Temp	-4°F	110°F
	Storage Temp	-4°F	140°F
	Installation Temp	-50°F	100°F
DMP	Ambient Operating Temp	-4°F	105°F
	Storage Temp	-4°F	140°F
	Installation Temp	-50°F	100°F

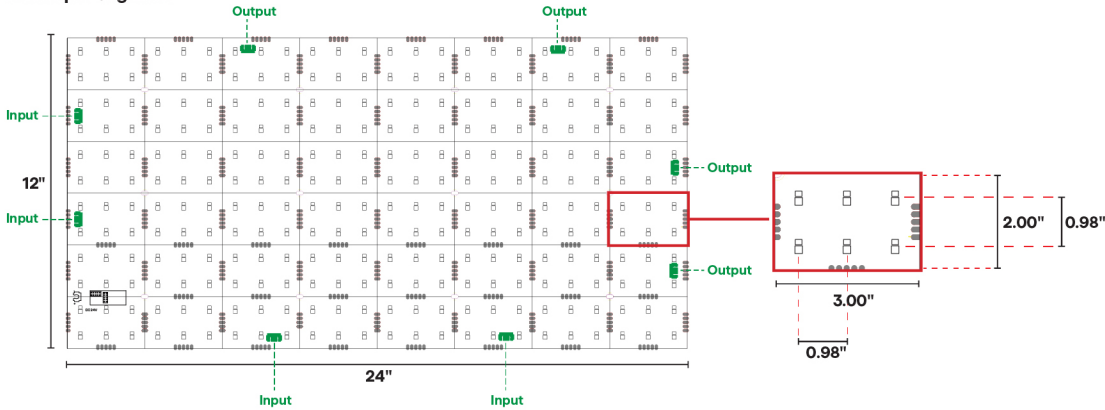


Q-SHEETS RGBW

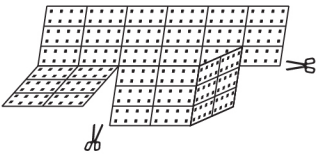
24VDC Dimmable Flexible Sheet

DIMENSIONS

46W per sheet
0.96W per segment



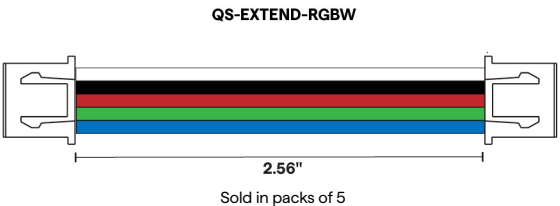
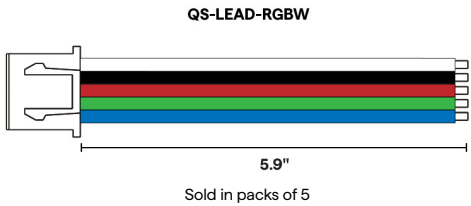
NOTE:
Field cuttable at designated lines indicated on the LED sheet.



Q-SHEET THICKNESS

PCB	LED CHIPS - SW	LED CHIPS - RGB	CONNECTORS
0.0225"	0.0560"	0.0985"	0.2510"

CONNECTORS

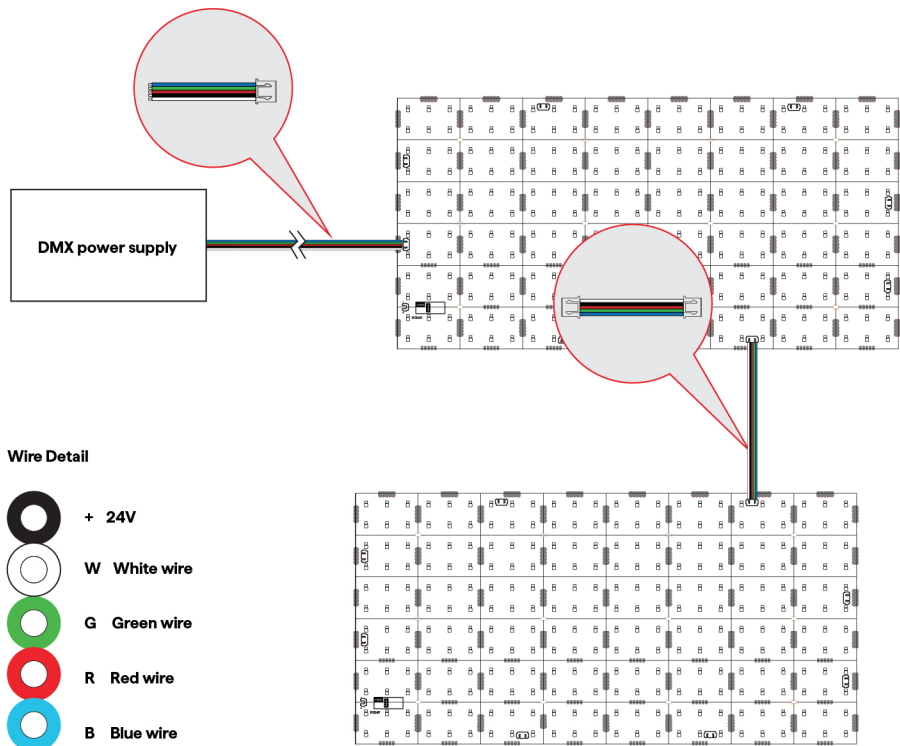




Q-SHEETS RGBW

24VDC Dimmable Flexible Sheet

CONNECTION DIAGRAM



- NOTE:**
- Ensure the connection from power supply goes to a connection marked input
 - When jumping to additional sheet, ensure sheets are in same orientation
 - Ensure the jumper connection of initial sheet is on an output connector and the jumper connection of additional sheet is on input connector
 - Ensure polarity is correct. If the sheets are not in the same orientation, positive terminals will not align between sheets and sheet will not function as intended

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	Q-SHEETS RGBW
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle



Q-SHEETS RGBW

24VDC Dimmable Flexible Sheet

DIMMING PROTOCOL	INDOOR
	Q-SHEETS RGBW
DMX	QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle

COMPATIBLE ACCESSORIES

Q-mini-J5

2.80"
2.27"

UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

SCENE APP DONGLE

1.36"
2.58"

Wi-Fi or Bluetooth Connectivity

QS-LEAD-RGBW

Lead Connector

QS-EXTEND-RGBW

Jumper Connector

COMPATIBLE APPS

NFC APP

Read and write DMX addresses and adjust voltage