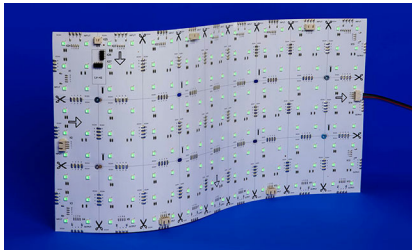




Q-SHEETS RGB  
24VDC Dimmable Flexible Sheet



- Provide even illumination
- Easy to install and field modifiable
- Dimmable with compatible QTL DC power supplies
- Max number of sheets per 96W circuit: 29W - 3 sheets; 52W - 1 sheet
- 3 step MacAdam ellipse binning
- UL Listed

1	2	3	4	5
PRODUCT	WATTAGE	RATED	CCT	QUANTITY
QS24			RGB	

Sample Part Number: QS24-29W-DRY-RGB-2

1	2	3	4	5
PRODUCT	WATTAGE	RATED	CCT	QUANTITY
QS24 See last page for compatible power supplies.	29W 52W	DRY IP20 DMP IP54	RGB	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 RGB

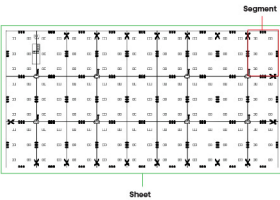
24VDC Dimmable Flexible Sheet



## 4 CCT – DELIVERED LUMENS

**29W**  
[Calculated L70 = 54000 hrs]

CCT	Lm/Sheet	Lm/Segment	Lm/Sq. Ft	Luminous Efficacy	Wavelength (nm)	Circuit Wattage/Sheet
Red	333	12	268	35 Lm/W	631	9.46
Green	880	32	710	90 Lm/W	518	9.77
Blue	205	8	165	21 Lm/W	463	9.74
All	1346	50	1085	46 Lm/W	-	28.97



**52W**  
[Calculated L70 = 54000 hrs]

CCT	Lm/Sheet	Lm/Segment	Lm/Sq. Ft	Luminous Efficacy	Wavelength (nm)	Circuit Wattage/Sheet
Red	483	10	242	28 Lm/W	615-630	17.28
Green	1071	22	536	62 Lm/W	515-530	17.28
Blue	224	5	112	13 Lm/W	460-470	17.28
All	1710	35	855	33 Lm/W	-	51.84

## TEMPERATURE RATINGS

		29W		52W	
		Min	Max	Min	Max
DRY	Ambient Operating Temp	-4°F	115°F	-4°F	110°F
	Storage Temp	-4°F	140°F	-4°F	140°F
	Installation Temp	-50°F	100°F	-50°F	100°F
DMP	Ambient Operating Temp	-4°F	110°F	-4°F	105°F
	Storage Temp	-4°F	140°F	-4°F	140°F
	Installation Temp	-50°F	100°F	-50°F	100°F

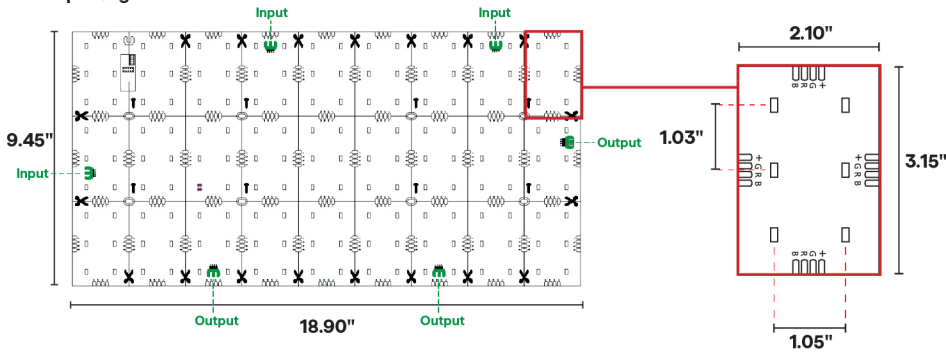


# Q-SHEETS RGB

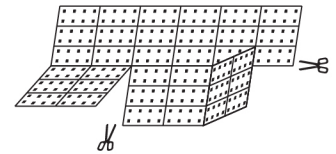
## 24VDC Dimmable Flexible Sheet

### DIMENSIONS

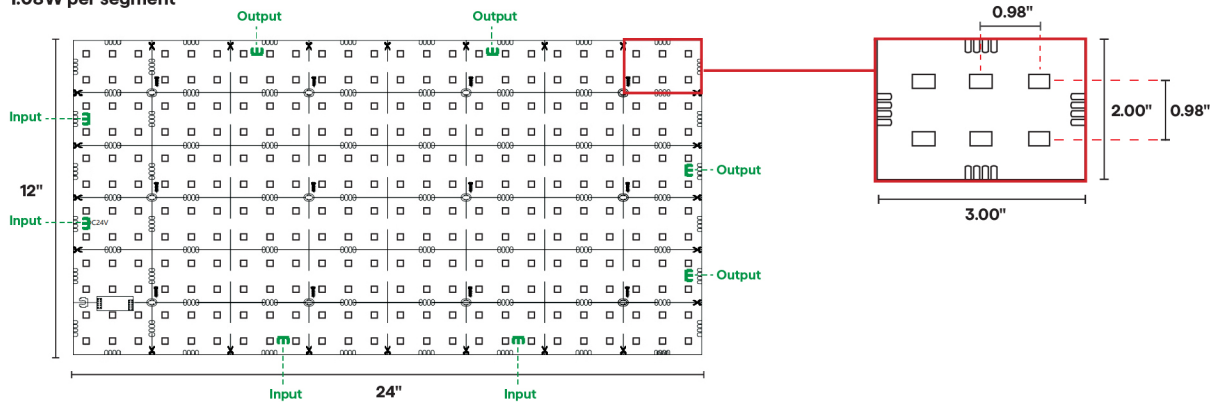
29W per sheet  
1.07W per segment



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



52W per sheet  
1.08W per segment

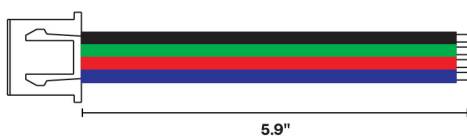


### Q-SHEET THICKNESS

PCB	LED CHIPS	CONNECTORS
0.0215"	0.0905"	0.2590"

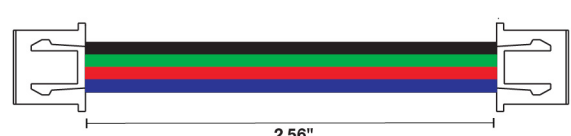
### CONNECTORS

QS-LEAD-RGB



Sold in packs of 5

QS-EXTEND-RGB



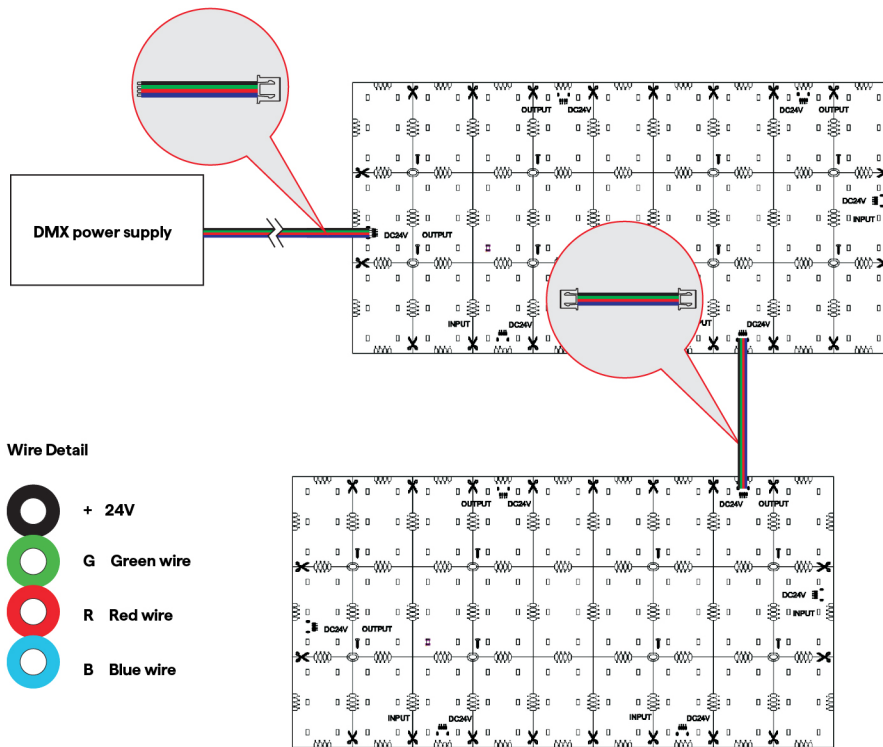
Sold in packs of 5



# Q-SHEETS RGB

## 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



# Q-SHEETS RGB

24VDC Dimmable Flexible Sheet

## 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 RGB
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 RGB App Dongle

DIMMING PROTOCOL	INDOOR
	Q-SHEETS RGB
DMX	QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8

## 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-RGB**

Lead Connector

**QS-EXTEND-RGB**

Jumper Connector

## COMPATIBLE APPS

**NFC APP**

Read and write DMX addresses and adjust voltage