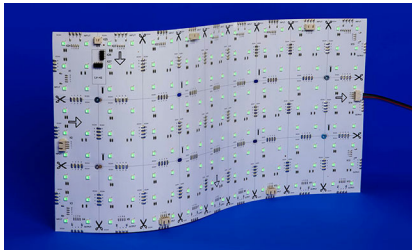




Q-SHEETS RGB

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
<div>QS24</div> <div>See last page for compatible power supplies.</div>	<div>29W</div> <div>52W</div>	<div>DRYIP20</div> <div>DMPIP54</div>	<div>RGB</div>	<div>Sold in individual sheets</div>

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

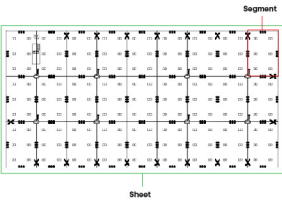
24VDC Dimmable Flexible Sheet



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

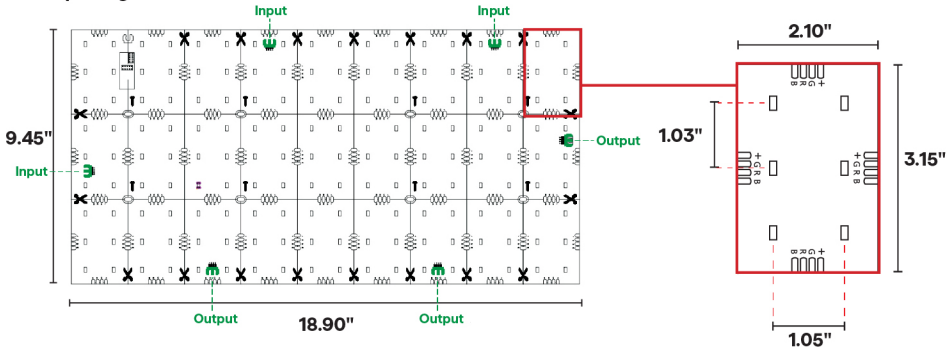


Q-SHEETS RGB

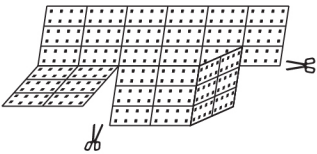
24VDC Dimmable Flexible Sheet

DIMENSIONS

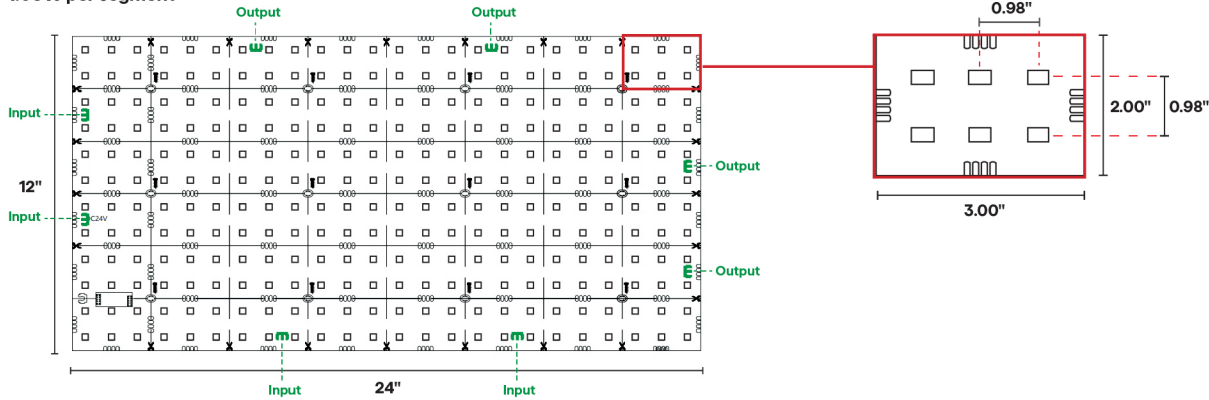
29W per sheet
1.07W per segment



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



52W per sheet
1.08W per segment

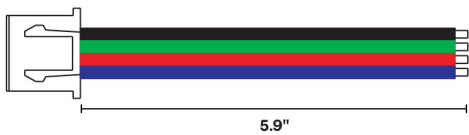


Q-SHEET THICKNESS

PCB	LED CHIPS	CONNECTORS
0.0215"	0.0905"	0.2590"

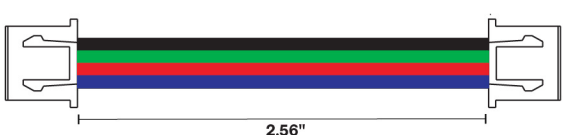
CONNECTORS

QS-LEAD-RGB



Sold in packs of 5

QS-EXTEND-RGB



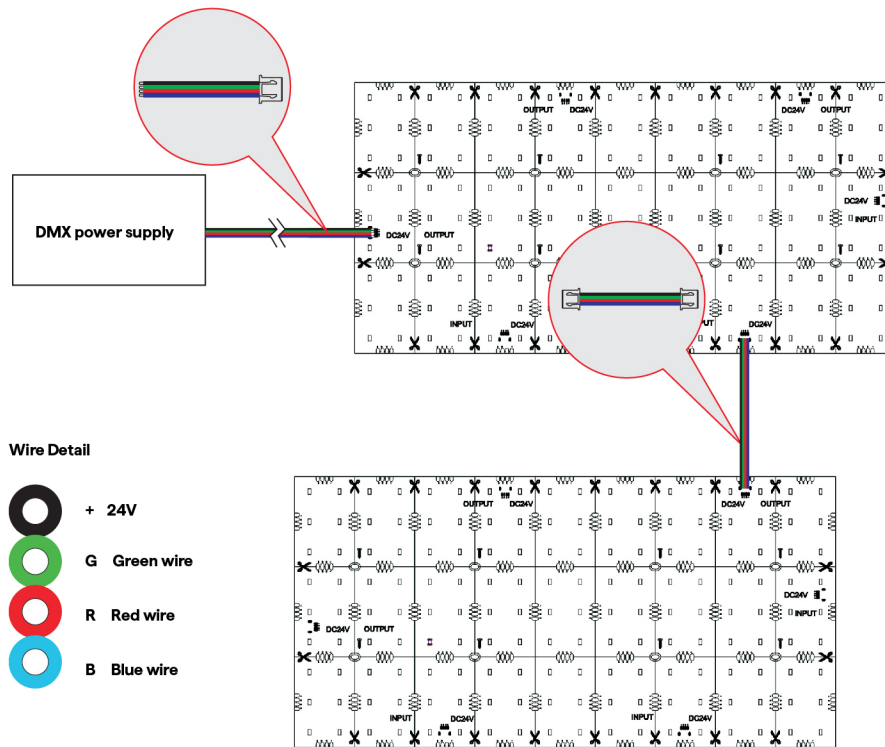
Sold in packs of 5



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