



# SW24/3.0

## LED Strips - Static White



- One bin, one step static white LED strip with 300 lm/ft @ 3000K provides an even, consistent color
- 6 diodes per 1" cut point
- CCTs 2200K and greater meet or exceed Title 24 and JA8
- Ambient operating temp: -4-140°F
- Installation temp: 50-100°F | Storage temp: -4-140°F
- Calculated L70 = 70000 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
SW24/3.0							

Sample Part Number: **SW24/3.0-DMP-24-BW-CLS-WH-CL2-48"**

<b>1</b> <b>V/WATTS</b>  <b>SW24/3.0</b>  Voltage: 24VDC Wattage: 3.0W/ft See following pages for compatible power supplies.	<b>2</b> <b>RATED</b>  <b>DRY</b> IP20 <b>DMP</b> IP54 <b>WET</b> IP67	<b>3</b> <b>CCT</b>  <b>18</b> 1800K <b>20</b> 2000K <b>22</b> 2200K <b>24</b> 2400K <b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>4</b> <b>CONNECTOR/WIRE IN</b>  <b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CLS</b> Closed End (No feed) <b>CON6</b> Connector 6" <b>CON24</b> 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)	<b>5</b> <b>CONNECTOR/WIRE OUT</b>  <b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CLS</b> Closed End (No feed) <b>CON6</b> Connector 6" <b>CON24</b> 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)	<b>6</b> <b>WIRE COLOR</b>  <b>WH</b> White <b>BK</b> Black <b>N/A</b> Specify for Barrel  Barrel is white	<b>7</b> <b>WIRE TYPE</b>  <b>CL2</b> Class 2 <b>CL2P</b> Class 2 Plenum Rated <b>N/A</b> Specify for Barrel  CL2P only available with bare wire leads (BW)	<b>8</b> <b>ILLUMINATED LENGTH</b>  DRY: 1"-384" in 1" increment DMP: 1"-180" in 1" increment WET: 1"-360" in 1" increment  Dry version also available in reel lengths of 32' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.  Available in reel lengths of 32' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.
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## COMPATIBLE EXTRUSIONS

	WIDE	ROUND	TORQ	TRES	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN
DRY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DMP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
WET	✓		✓ EXCLUDES 40° LENS	✓	✓	✓	✓	✓	✓ EXCLUDES 45° LENS	✓	✓ 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 | Title 24 - JA8-2016 Strips: DRY, DMP, and WET rated, 2200K and above



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## 3 CCT – LUMENS/CRI - DELIVERED LUMENS

### DRY

[Calculated L70 = 70000 hrs]  
Tested with SW24/3.0-DRY

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
2000K	255	82 Lm/W	93	60	89	103
2200K	254	81 Lm/W	96	91	93	100
2400K	245	78 Lm/W	94	98	93	103
2700K	287	92 Lm/W	97	95	94	101
3000K	300	96 Lm/W	98	96	93	101
3500K	317	102 Lm/W	98	97	92	100
4000K	300	96 Lm/W	96	89	90	100

### DMP

[Calculated L70 = 70000 hrs]  
Tested with SW24/3.0-DMP

CCT	Lumen/ft	CRI Ra
2000K	**	**
2200K	**	**
2400K	**	**
2700K	**	**
3000K	**	**
3500K	**	**
4000K	**	**

### WET

[Calculated L70 = 70000 hrs]  
Tested with SW24/3.0-WET

CCT	Lumen/ft	CRI Ra
2000K	253	93
2200K	220	96
2400K	227	95
2700K	230	95
3000K	242	95
3500K	262	96
4000K	275	96

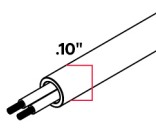
## TEMPERATURE RATINGS

		Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	140°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

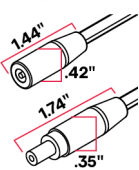
**BW**



.10"

Bare Wire 24"  
Stranded 22 AWG

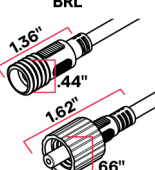
**BRL**



1.44"  
.42"  
1.74"  
.35"

Barrel 6" - DRY/DMP |  
22 AWG

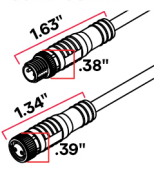
**BRL**



1.36"  
.44"  
1.62"  
.66"

Barrel 6" - WET | 22 AWG

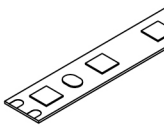
**CON6/CON24**



1.63"  
.38"  
1.34"  
.39"

6" or 24" Overall  
Wire Connector | 22 AWG  
IP67 Rated, UL Listed

**CLS**

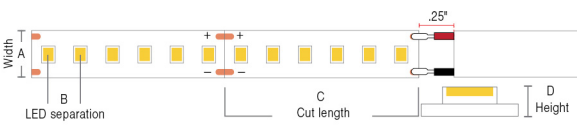


Not soldered

## 6 WIRE COLOR



## 8 ILLUMINATED LENGTH - DIMENSIONS



Width  
A  
B  
LED separation  
C  
Cut length  
D  
Height

Section (in)	A	B	C	D
DRY (IP20)	0.32"	0.16"	1.00"	0.06"
DMP (IP54)	0.32"	0.16"	1.00"	0.12"
WET (IP67)	0.39"	0.16"	1.00"	0.21"



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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
	SW24/1.5-4.0	SW24/1.5-4.0
Dim to Black	Q6M-DC+CAP QTM-DC+CAP IQ-PH+QD1	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 QZ-DMX QZ-PH/0-10V
1%	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED




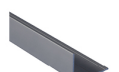
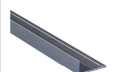
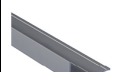
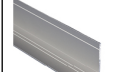

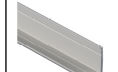
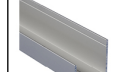






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DIMMING PROTOCOL	INDOOR	OUTDOOR
	SW24/1.5-4.0	SW24/1.5-4.0
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-DC+CAP QOM-PH QZ-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	
ECO System	QTM-eLED(E)	
DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

## COMPATIBLE MOUNTING ACCESSORIES

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



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## COMPATIBLE WIRING ACCESSORIES

<b>SNP-LEAD</b>  Connects lead wire to LED strip DRY ONLY	<b>SNP-INLINE</b>  Connects LED strip to LED strip DRY ONLY	<b>CLP-LEAD</b>  Connects lead wire to LED strip DRY ONLY	<b>CLP-INLINE</b>  Connects LED strip to LED strip DRY ONLY	<b>Q-NECT-01-LEAD-24</b>  Connects LED board to 24" lead wire DRY ONLY	<b>Q-NECT-01-JUMP-3</b>  Connects two LED boards together with 3" jumper; DRY ONLY	<b>Q-NECT-01-INLINE</b>  Connects two LED boards together DRY ONLY	<b>Q-NECT-SCREW-LEAD-12</b>  Connects LED board to 12" lead wire DRY ONLY	<b>Q-NECT-SCREW-JUMP-12</b>  Connects two LED boards together with 12" jumper; DRY ONLY	<b>BARREL-EXT</b>  8ft barrel cable extender DRY ONLY
<b>BARREL FOUR-FER</b>  Splits lead from one to four LED Barrel connector fixtures; DRY/DMP	<b>CON120-EXT</b>  10ft Con cable extender DRY/DMP/WET	<b>CON FOUR-FER</b>  Splits lead from one to four LED Con connectors DRY/DMP/WET	<b>CON M - BARREL F</b>  Male con to barrel cable adaptor DRY/DMP	<b>Q-mini-J</b>  UL Listed, miniature junction box; DRY/DMP (WET rated with silicone)	<b>Q-mini-J5</b>  UL Listed, miniature junction box; DRY/DMP (WET rated with silicone)	<b>INSTALLATION KITS</b>  LEAD or JUMP DRY and WET LED strip wiring kits			

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**

1.36"  
2.58"

Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS

**NFC APP**

Read and write DMX addresses and adjust voltage