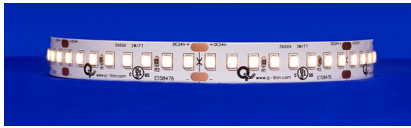




# SW-HE24/3.0

LED Strips - Static White High Efficacy



- High-efficacy, one bin, one step static white LED tape provides consistent color project to project with exceptional photometric qualities
- 8 diodes per 2" cutpoint
- Dry and wet-rated
- Field-cutable up to 384"
- Ambient operating temp: -4-145°F
- Installation temp: 50-100°F | Storage temp: -4-140°F
- Calculated L70 = 66000 hrs

1	2	3	4	5	6	7	8
V/WATTS	RATED	CCT - LUMENS/CRI	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT	WIRE COLOR	WIRE TYPE	ILLUMINATED LENGTH
SW-HE24/3.0							

Sample Part Number: **SW-HE24/3.0-WET-35-BW-WH-CL2-48"**

<div>1</div> <div>V/WATTS</div> <div>SW-HE24/3.0</div> <div>Voltage: 24VDC Wattage: 3.0W/ft See following pages for compatible power supplies.</div>	<div>2</div> <div>RATED</div> <div>DRY IP20</div> <div></div> <div>DMP IP54</div> <div></div> <div>WET IP67</div>	<div>3</div> <div>CCT - LUMENS/CRI</div> <div><div>181800K **/**</div><div>202000K 362/93</div><div>222200K 377/96</div><div>242400K 391/97</div><div>272700K 398/97</div><div>303000K 407/98</div><div>353500K 468/97</div><div>404000K 462/97</div></div> <div><div>222200K **/**</div><div>242400K 353/93</div><div>272700K 323/94</div><div>303000K 349/97</div><div>353500K 382/98</div><div>404000K 405/97</div></div> <div><div>181800K **/**</div><div>202000K 309/93</div><div>222200K 341/96</div><div>242400K 357/96</div><div>272700K 369/97</div><div>303000K 381/98</div><div>353500K 427/98</div><div>404000K 411/97</div></div>	<div>4</div> <div>CONNECTOR/WIRE IN</div> <div><div>BWBare Wire (Standard 24")</div><div>BRLBarrel</div><div>CLSClosed End (No feed)</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div></div> <div>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)</div> <div><div>BWBare Wire (Standard 24")</div><div>BRLBarrel</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div></div> <div>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)</div> <div><div>BWBare Wire (Standard 24")</div><div>BRLBarrel</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div></div> <div>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)</div>	<div>5</div> <div>CONNECTOR/WIRE OUT</div> <div><div>BWBare Wire (Standard 24")</div><div>BRLBarrel</div><div>CLSClosed End (No feed)</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div></div> <div>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)</div> <div><div>BWBare Wire (Standard 24")</div><div>BRLBarrel</div><div>CLSClosed End (No feed)</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div></div> <div>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)</div> <div><div>BWBare Wire (Standard 24")</div><div>BRLBarrel</div><div>CLSClosed End (No feed)</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div></div> <div>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)</div>
<div>6</div> <div>WIRE COLOR</div> <div><div>WHWhite</div><div>BKBlack</div><div>N/ASpecify for Barrel</div></div> <div>Barrel is white</div> <div><div>WHWhite</div><div>BKBlack</div><div>N/ASpecify for Barrel</div></div> <div>Barrel is black</div> <div><div>WHWhite</div><div>BKBlack</div><div>N/ASpecify for Barrel</div></div> <div>Barrel is black</div>	<div>7</div> <div>WIRE TYPE</div> <div><div>CL2Class 2</div><div>CL2PClass 2 Plenum Rated</div><div>N/ASpecify for Barrel</div></div> <div>CL2P only available with bare wire leads (BW)</div> <div><div>CL2Class 2</div><div>CL2PClass 2 Plenum Rated</div><div>N/ASpecify for Barrel</div></div> <div>CL2P only available with bare wire leads (BW)</div> <div><div>CL2Class 2</div><div>CL2PClass 2 Plenum Rated</div><div>N/ASpecify for Barrel</div></div> <div>CL2P only available with bare wire leads (BW)</div>	<div>8</div> <div>ILLUMINATED LENGTH</div> <div><div>2"-384"2" increments</div><div>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.</div></div> <div><div>2"-180"2" increments</div></div> <div><div>2"-360"2" increments</div></div>		

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 - JA8-2019 Strips: DRY and WET rated, 2000K and above



# SW-HE24/3.0

LED Strips - Static White High Efficacy

## 3 CCT – LUMENS/CRI - DELIVERED LUMENS

[Calculated L70 = 66000 hrs]  
Tested with SW-HE24/3.0-DRY

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg
1800K	***	** Lm/W	**	**	**	***
2000K	362	121 Lm/W	93	61	91	101
2200K	377	126 Lm/W	96	90	93	98
2400K	391	130 Lm/W	97	94	92	98
2700K	398	137 Lm/W	97	96	93	100
3000K	407	140 Lm/W	98	96	93	100
3500K	468	156 Lm/W	97	93	91	98
4000K	462	154 Lm/W	97	97	91	98

## TEMPERATURE RATINGS

		Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	145°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

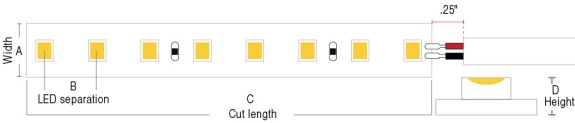
**CLS**

Not soldered

## 6 WIRE COLOR



## 8 ILLUMINATED LENGTH - DIMENSIONS



Section (in)	A	B	C	D
DRY (IP20)	0.47"	0.24"	2.00"	0.07"
DMP (IP54)	0.47"	0.24"	2.00"	0.15"
WET (IP67)	0.55"	0.24"	2.00"	0.16"

## COMPATIBLE EXTRUSIONS

	WIDE	ROUND	TORQ	TRE3	LALO	TALO	ARKA	TELA	VEVE	FLUR	EMBD	LATO	MDIN	OPTI-FLAT	OPTI-OPTICS	THIN
DRY	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DMP	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
WET	✓													✓		



SW-HE24/3.0

LED Strips - Static White High Efficacy

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
	SW24/5.0, SW-HE, SW-HE+	SW24/5.0, SW-HE, SW-HE+
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	



SW-HE24/3.0

LED Strips - Static White High Efficacy

DIMMING PROTOCOL	INDOOR	OUTDOOR
	SW24/5.0, SW-HE, SW-HE+	SW24/5.0, SW-HE, SW-HE+
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-SET-QZ-PH/0-10V 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


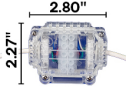







<div>QUOVA-MICRO</div> <div></div> <div>QUOVA Knife Edge</div>	<div>SHIELD A - Large</div> <div></div> <div>For standalone use</div>	<div>SHIELD B - Large</div> <div></div> <div>For use within extrusions</div>	<div>BL-GRAZER</div> <div></div> <div>Backwards L Mounting Bracket</div>	<div>BL-MICRO</div>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



# SW-HE24/3.0

LED Strips - Static White High Efficacy

## COMPATIBLE WIRING ACCESSORIES

 <p>Q-mini-J</p> <p>2"</p> <p>1.25"</p> <p>UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)</p>	 <p>Q-mini-J5</p> <p>2.80"</p> <p>2.27"</p> <p>UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)</p>	 <p>BARREL-EXT</p> <p>8ft barrel cable extender</p> <p>DRY ONLY</p>	 <p>BARREL FOUR-FER</p> <p>Splits lead from one to four LED Barrel connector fixtures, DRY/DMP</p>	 <p>CON120-EXT</p> <p>10ft Con cable extender</p> <p>DRY/DMP/WET</p>	 <p>CON FOUR-FER</p> <p>Splits lead from one to four LED Con connectors</p> <p>DRY/DMP/WET</p>	 <p>Q-NECT-03-LEAD-24</p> <p>.61"</p> <p>.38"</p> <p>Connects LED board to 24" lead wire</p> <p>DRY ONLY</p>	 <p>Q-NECT-03-JUMP-3</p> <p>3"</p> <p>Connects two LED boards together with 3" jumper, DRY ONLY</p>	 <p>Q-NECT-03-INLINE</p> <p>.61"</p> <p>.38"</p> <p>Connects two LED boards together</p> <p>DRY ONLY</p>
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## COMPATIBLE CONTROL ACCESSORIES

### SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS

