



# DW-HE24/4.0

LED Strips - For Tunable Applications



- High efficacy dynamic white linear LED strip for tunable applications
- 14 diodes per 2" cut point
- 7 diodes per CCT
- Ambient operating temp: -4-130°F
- Installation temp: 50-100°F | Storage temp: -4-140°F
- Calculated L70 = 70000 hrs
- When using DALI and DMX power supplies, LED wattage must be doubled

1	2	3	4	5	6	7	8
V/WATTS	RATED	CCT	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT	WIRE COLOR	WIRE TYPE	ILLUMINATED LENGTH
DW-HE24/4.0	DRY						

Sample Part Number: **DW-HE24/4.0-DRY-20/27-BW-CLS-WH-CL2-48"**

1	V/WATTS	2	RATED	3	CCT	4	CONNECTOR/WIRE IN	5	CONNECTOR/WIRE OUT
<b>DW-HE24/4.0</b>  Voltage: 24VDC Wattage: 4.0W/ft LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.		<b>DRY</b> IP20		<b>18/30</b> 1800K/3000K <b>18/35</b> 1800K/3500K <b>20/27</b> 2000K/2700K <b>24/40</b> 2400K/4000K <b>20/30</b> 2000K/3000K <b>27/40</b> 2700K/4000K <b>27/55</b> 2700K/5500K		<b>BW</b> Bare Wire (Standard 24") <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>BW</b> Bare Wire (Standard 24") <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)	
6	WIRE COLOR			7	WIRE TYPE		8	ILLUMINATED LENGTH	
<b>WH</b> White <b>BK</b> Black			<b>CL2</b> Class 2 <b>CL2P</b> Class 2 Plenum Rated  CL2P only available with bare wire leads (BW)			<b>DRY:</b> 2"-144" in 2" increment <b>DMP:</b> 2"-***" in 2" increment  Dry version also available in reel lengths of 12' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.  Available in reel lengths of 12' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.			

## COMPATIBLE EXTRUSIONS

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

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 | Consult factory for alternate Kelvin temperature | Title 24 - JA8-2019 Strips: DRY rated, 2000K and above



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## 3 CCT – LUMENS/CRI - DELIVERED LUMENS

### DRY

[Calculated L70 = 70000 hrs]  
Tested with DW-HE24/4.0-DRY

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2000K	348	87 Lm/W	93	61	87	105	4.01
2400K	***	***	***	***	***	***	***
2700K	418	104 Lm/W	97	94	94	100	4.03
3000K	437	110 Lm/W	98	93	93	99	3.96
4000K	449	116 Lm/W	97	99	93	100	3.90
5500K	488	121 Lm/W	97	94	92	100	4.00

### DMP

[Calculated L70 = 70000 hrs]  
Tested with DW-HE24/4.0-DMP

CCT	Lumen/ft	CRI Ra
2000K	**	**
2400K	**	**
2700K	**	**
3000K	**	**
4000K	**	**
5500K	**	**

### WET

[Calculated L70 = 70000 hrs]  
Tested with DW-HE24/4.0-WET

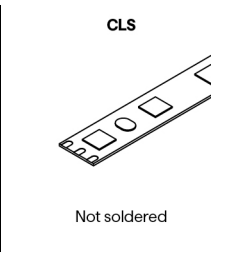
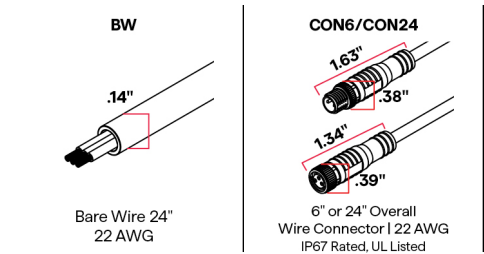
CCT	Lumen/ft	CRI Ra
2000K	**	**
2400K	**	**
2700K	**	**
3000K	**	**
4000K	**	**
5500K	**	**

## TEMPERATURE RATINGS

	Min	Max
Ambient Operating Temp - Surface	-4°F	130°F
Storage Temp	-4°F	140°F
Installation Temp	-50°F	100°F

## 4 / 5 CONNECTOR/WIRE – IN/OUT

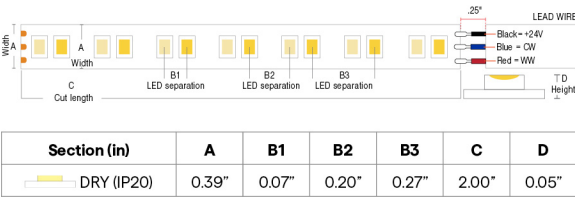
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



## 6 WIRE COLOR



## 8 ILLUMINATED LENGTH - DIMENSIONS



Section (in)	A	B1	B2	B3	C	D
DRY (IP20)	0.39"	0.07"	0.20"	0.27"	2.00"	0.05"



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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
	DW-HE Tunable Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle

DIMMING PROTOCOL	INDOOR
	DW-HE Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN
DMX LED wattage must be doubled for DW-HE products	QZ-DMX
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with TW App Dongle

## COMPATIBLE MOUNTING ACCESSORIES

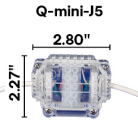
QUOVA-MICRO	BL-GRAZER	BL-MICRO	BL-LARGE	SD-L-LARGE	SD-L-MEDIUM	SD-L-MICRO	SD-J-LARGE	IQ-STRAP
QUOVA Knife Edge	Backwards L Mounting Bracket	Backwards L Mounting Bracket	Backwards L Mounting Bracket	L Mounting Bracket	L Mounting Bracket	L Mounting Bracket	J Mounting Bracket	Plastic strap, Fits all LED strips



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### COMPATIBLE WIRING ACCESSORIES



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

### COMPATIBLE CONTROL ACCESSORIES

#### SCENE APP DONGLE



Wi-Fi or Bluetooth  
Connectivity

### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage