



DW-HE24/4.0

LED Strips - For Tunable Applications



CE Declare

UK
CA



- 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 V/WATTS	2 RATED	3 CCT - LUMENS/CRI	4 CONNECTOR/WIRE IN	5 CONNECTOR/WIRE OUT	6 WIRE COLOR	7 WIRE TYPE	8 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 DW-HE24/4.0 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.	2 RATED DRY IP20	3 CCT - LUMENS/CRI 18/30 1800K/3000K 18/35 1800K/3500K 20/27 2000K/2700K 20/30 2000K/3000K 24/40 2400K/4000K 27/40 2700K/4000K 27/55 2700K/5500K	4 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 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)	5 CONNECTOR/WIRE OUT BW Bare Wire (Standard 24") CLS Closed End (No feed) CON6 Connector 6" CON24 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 WH White BK Black	7 WIRE TYPE CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)			8 ILLUMINATED LENGTH 2"-144" 2" increments 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.

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

[Calculated L70 = 70000 hrs]

Tested with DW-HE24/4.0-DRY

Data in this table is measured at the end point of each range. For example, 3000K value is taken from the 20/30K LED strip.

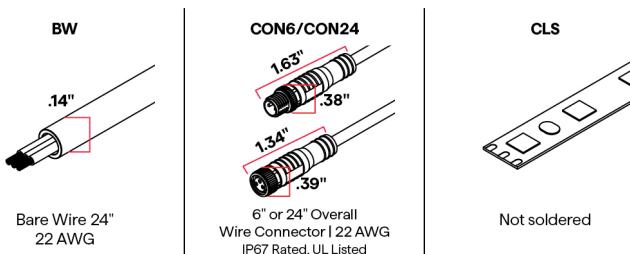
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
1800K	***	***	***	***	***	***	***
2000K	348	87 Lm/W	93	61	87	105	4.01
2400K	***	***	***	***	***	***	***
2700K	418	104 Lm/W	97	94	94	100	4.03
3000K	437	110 Lm/W	98	93	93	99	3.96
3500K	***	***	***	***	***	***	***
4000K	449	116 Lm/W	97	99	93	100	3.90
5500K	488	121 Lm/W	97	94	92	100	4.00

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

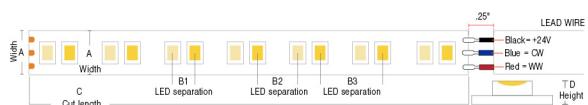


6 WIRE COLOR



White
Black

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 EXTRUSIONS

DRY	✓		✓							✓				✓	✓	
DMP																
WET																

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



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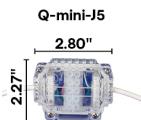
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DIMMING PROTOCOL	INDOOR
	DW-HE Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN
DMX LED wattage must be doubled 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



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



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COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage