



DW-HE24/1.5

LED Strips - For Warm Dim Applications



- High efficacy dynamic white linear LED strip for warm dim applications
- 14 diodes per 2" cut point
- 7 diodes per one color temperature
- Ambient operating temp: -4-160°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-HE24/1.5							

Sample Part Number: DW-HE24/1.5-DRY-20/27-BW-CLS-WH-CL2-200"

1 V/WATTS	2 RATED	3 CCT - LUMENS/CRI	4 CONNECTOR/WIRE IN	5 CONNECTOR/WIRE OUT
DW-HE24/1.5 Voltage: 24VDC Wattage: 1.5W/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.	DRY IP20	20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K	BW CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" Connector 24"	BW CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" Connector 24"
	DMP IP54	24/30 2400K/3000K 27/40 2700K/4000K	BW CON6 CON24 Bare Wire (Standard 24") Connector 6" Connector 24"	BW CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" Connector 24"
	WET IP67	20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K	BW CON6 CON24 Bare Wire (Standard 24") Connector 6" Connector 24"	BW CLS CON6 CON24 Bare Wire (Standard 24") Closed End (No feed) Connector 6" Connector 24"

6 WIRE COLOR	7 WIRE TYPE	8 ILLUMINATED LENGTH
DRY DRY	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	2"-384" 2" increments 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.
	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	2"-180" 2" increments
	CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW)	2"-360" 2" increments
DMP DMP		
WET 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 and WET rated, 2000K and above



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3 CCT – LUMENS/CRI - DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with DW-HE24/1.5-DRY

For 20/27 and 20/30

CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
2700K	170	109 Lm/W	97	97	94	100	1.56
3000K	178	116 Lm/W	98	96	93	99	1.54

For 27/40 and 27/55

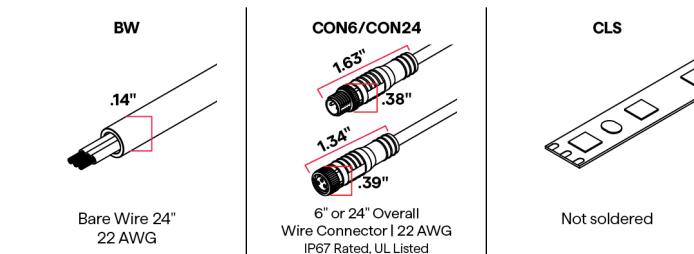
CCT	Lumen/ft	Luminous Efficacy	CRI Ra	CRI R9	TM30 Rf	TM30 Rg	Circuit Wattage
4000K	181	132 Lm/W	97	95	92	100	1.50
5500K	200	125 Lm/W	96	92	90	98	1.50

TEMPERATURE RATINGS

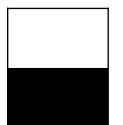
	Min	Max
Ambient Operating Temp - Surface	-4°F	160°F
Storage Temp	-4°F	140°F
Installation Temp	-50°F	100°F

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



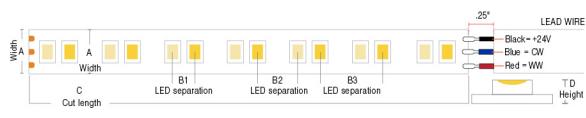
6 WIRE COLOR



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"
DMP (IP54)	0.39"	0.07"	0.20"	0.27"	2.00"	0.12"
WET (IP67)	0.47"	0.07"	0.20"	0.27"	2.00"	0.18"

COMPATIBLE EXTRUSIONS

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

EXCLUDES 30°, 45°, 60° LENS



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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
	DW-HE Warm Dim Applications	DW-HE Warm Dim Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	Q-SET-QZ-DW QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+WD QZ-DW
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with WD App Dongle	

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



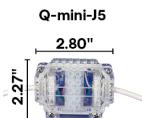
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COMPATIBLE MOUNTING ACCESSORIES

QUOVA-MICRO	SHIELD A - Medium	SHIELD B - Medium	BL-GRAZER	BL-MICRO	BL-LARGE	SD-L-LARGE	SD-L-MEDIUM	SD-L-MICRO	SD-J-LARGE
QUOVA Knife Edge	For standalone use	For use within extrusions	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	Metal clip, Fits DMP strip	Metal clip, Fits WET strip	Plastic clip, Fits WET strip						

COMPATIBLE WIRING ACCESSORIES



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

COMPATIBLE CONTROL ACCESSORIES



Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS



Read and write DMX addresses and adjust voltage