DW-HE24/2.5
LED Strips - For Tunable Applications

- High efficacy dynamic white linear LED strip for tunable applications
- 14 diodes per 2" cut point
- 7 diodes per one color temperature
- Ambient operating temp: -4-145°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-HE24/2.5							

Sample Part Number: **DW-HE24/2.5-DRY-20/27-BW-CLS-WH-CL2-48"**

① V/WATTS

DW-HE24/2.5

Voltage: 24VDC
Wattage: 2.5W/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.

② RATED

DRY	IP20
DMP	IP54
WET	IP67

③ CCT - LUMENS/CRI

DRY
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

DMP
22/30	2200K/3000K
22/35	2200K/3500K
24/30	2400K/3000K
24/40	2400K/4000K
27/40	2700K/4000K

WET
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

DRY
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)

DMP
BW	Bare Wire (Standard 24")
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)

WET
BW	Bare Wire (Standard 24")
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

DRY
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)

DMP
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)

WET
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

DRY
WH	White
BK	Black

DMP
WH	White
BK	Black

WET
WH	White
BK	Black

⑦ WIRE TYPE

DRY
CL2	Class 2
CL2P	Class 2 Plenum Rated

CL2P only available with bare wire leads (BW)

DMP
CL2	Class 2
CL2P	Class 2 Plenum Rated

CL2P only available with bare wire leads (BW)

WET
CL2	Class 2
CL2P	Class 2 Plenum Rated

CL2P only available with bare wire leads (BW)

⑧ ILLUMINATED LENGTH

DRY
2"-230" 2" increments

Available in reel lengths of 19.2' (Class 2) and 100'. Each reel will have a 2' soldered lead wire attached. Contact factory for larger reels.

DMP
2"-180" 2" increments

WET
2"-230" 2" increments

DW-HE24/2.5
LED Strips - For Tunable Applications

3 CCT – LUMENS/CRI - DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with DW-HE24/2.5-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	226	94 Lm/W	93	62	87	106	2.40
2400K	***	***	***	***	***	***	***
2700K	270	108 Lm/W	97	96	94	100	2.50
3000K	281	119 Lm/W	98	96	93	99	2.35
3500K	***	***	***	***	***	***	***
4000K	292	120 Lm/W	98	96	92	100	2.40
5500K	316	128 Lm/W	97	94	92	99	2.50

TEMPERATURE RATINGS

	Min	Max
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

.14"

Bare Wire 24"
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

White

Black

8 ILLUMINATED LENGTH - DIMENSIONS

.25"
LEAD WIRE
Black= +24V
Blue = CW
Red = WW
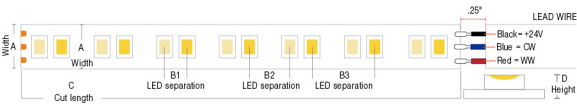
Section (in)	A	B1	B2	B3	C	D
DRY (IP20)	0.39"	0.07"	0.20"	0.27"	2.00"	0.05"
DMP (IP54)	0.39"	0.07"	0.20"	0.27"	2.00"	0.12"
WET (IP67)	0.47"	0.07"	0.20"	0.27"	2.00"	0.18"

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		✓	✓		✓ NO LENS

COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

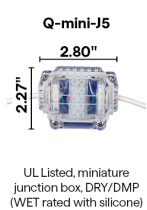| DIM TO LEVEL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	**DW-HE Tunable Applications**
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

DW-HE24/2.5
LED Strips - For Tunable Applications

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	**DW-HE Tunable Applications**
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN	QOM-eLED+TW
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	Q-SET-QZ-DMX 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	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 TW App Dongle	

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

iQ-STRAP	iQ-CLIP-SS12	iQ-CLIP-SS10	iQ-CLIP-PL
Plastic strap, Fits all LED strips	Metal clip, Fits DMP strip	Metal clip, Fits WET strip	Plastic clip, Fits WET strip

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80"
2.27"

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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36"

2.58"

Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP

Q-NFC

Read and write
DMX addresses and
adjust voltage