



DW-HE24/2.5

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: -4-145°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 | 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 |
| DW-HE24/2.5 | | | | | | | |

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

| 1 | 2 | 3 | 4 | 5 |
|--|---|--|--|--|
| V/WATTS | RATED | CCT - LUMENS/CRI | CONNECTOR/WIRE IN | CONNECTOR/WIRE OUT |
| 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. | DRY IP20 | 20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K | 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) | 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 IP54 | 24/30 2400K/3000K 27/40 2700K/4000K | 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) | 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 IP67 | 20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K | 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) | 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 | 7 | 8 | | |
| WIRE COLOR | WIRE TYPE | ILLUMINATED LENGTH | | |
| WH White BK Black | CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW) | 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. | | |
| WH White BK Black | CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW) | 2"-180" 2" increments | | |
| WH White BK Black | CL2 Class 2 CL2P Class 2 Plenum Rated CL2P only available with bare wire leads (BW) | 2"-230" 2" increments | | |

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-HE24/2.5-DRY

| For 20/27 and 20/30 | | | | | | | |
|---------------------|----------|-------------------|--------|--------|---------|---------|-----------------|
| CCT | Lumen/ft | Luminous Efficacy | CRI Ra | CRI R9 | TM30 Rf | TM30 Rg | Circuit Wattage |
| 2700K | 270 | 108 Lm/W | 97 | 96 | 94 | 100 | 2.50 |
| 3000K | 281 | 119 Lm/W | 98 | 96 | 93 | 99 | 2.35 |

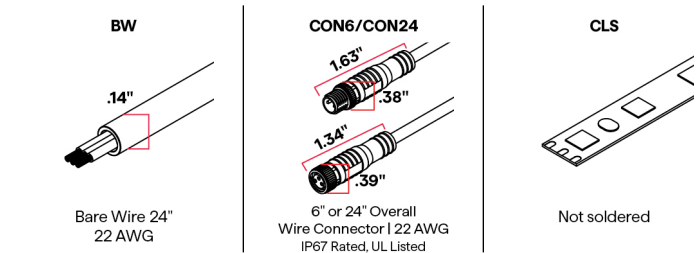
| For 27/40 and 27/55 | | | | | | | |
|---------------------|----------|-------------------|--------|--------|---------|---------|-----------------|
| CCT | Lumen/ft | Luminous Efficacy | CRI Ra | CRI R9 | TM30 Rf | TM30 Rg | Circuit Wattage |
| 4000K | 292 | 120 Lm/W | 98 | 96 | 92 | 100 | 2.40 |
| 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

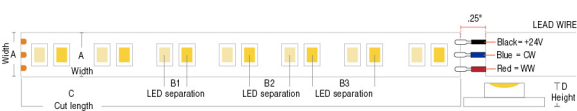
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



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" |
| 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 | ROUND | 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 |



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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 | |




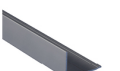
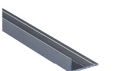
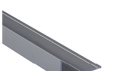
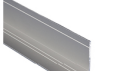

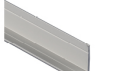
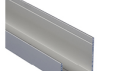




| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|--|---|---|
| | DW-HE Warm Dim Applications | DW-HE Warm Dim Applications |
| Phase | QZ-DW | Q-SET-QZ-DW QZ-DW |
| 0-10V | QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW | Q-SET-QZ-DW QOM-eLED+WD QZ-DW |
| Lutron Athena | QT-CAB-eLED+DALI-DT8-AWN 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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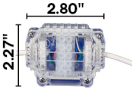
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COMPATIBLE MOUNTING ACCESSORIES

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

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5



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