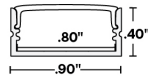




ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface



- Wide, low-profile fixture for surface mount applications
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Mounting options include stainless steel or plastic clip
- Features painted end caps to match extrusion finish
- Side, back, and end feed wiring configurations available
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations
- Can be suitable for exterior use when specified as wet, contact factory for more information
- Used in applications where CCT and brightness need to be controlled separately
- When using DALI and DMX power supplies, LED wattage must be doubled



410.2 & 410.16
Closet Rated
in 1.5HE



BUY AMERICAN
ACT COMPLIANT



BUILD AMERICA
BUY AMERICA
COMPLIANT



INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|-----------|-----|-------|------------|------|
| PRODUCT | WATTS/ FT | CCT | RATED | EFFICIENCY | LENS |
| | | | | STD | |

ADDITIONAL INFORMATION REQUIRED TO ORDER

| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----------------------|-----------------------|------------------------|------------|-----------|----------|--------|-------------|-------------------|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | WIRE COLOR | WIRE TYPE | MOUNTING | FINISH | LENGTH (IN) | EXACT/ OPTIMAL |
| | | | | | | | | |

Sample Part Number: **WE1DW-2.5HE-20/30-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

| | | | | | | | | |
|--|--|--|---|--|--|---|---|---|
| 1 PRODUCT WE1DW WE1DW-USA Select USA option for BAA and BABA projects. Only DRY or WET ratings apply. 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 WATTS/FT 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE 4.0HE 4.0W/ft HE 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE | 3 CCT 20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K 24/30 2400K/3000K 27/40 2700K/4000K 20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K | 4 RATED DRY IP20 DMP IP54 WET IP67 Can be suitable for exterior use, contact factory for more information | 5 EFFICIENCY STD Standard | 6 LENS DF Diffused PR Polar FR Frosted CL Clear For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages | | | |
| 7 WIRE INPUT/OUTPUT SINGLE (Input only) S1 End Feed S2 Bottom Feed S3 Left Side Feed S4 Right Side Feed PASS THROUGH (Input/output) P1 End Feed P2 Bottom Feed P3 Left Side Feed P4 Right Side Feed | 8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" | 9 CONNECTOR/WIRE OUT CLS Closed End (No feed) BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" | 10 WIRE COLOR WH White BK Black | 11 WIRE TYPE CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW) | 12 MOUNTING SST Stainless Steel PL Plastic Clip | 13 FINISH ST Satin BK Black BZ Bronze CU Custom Custom finishes require a longer lead time, consult factory | 14 LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12". | 15 EXACT/OPTIMAL O Optimal Illumination E Exact Specified Length Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts. |

For continuous mounting, consider bottom or side feed

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

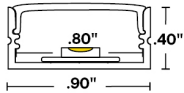
BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)



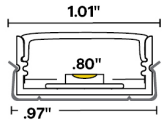
ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

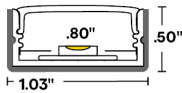
1 PRODUCT - DIMENSIONS



Profile with flat lens



Profile with stainless steel mounting clip



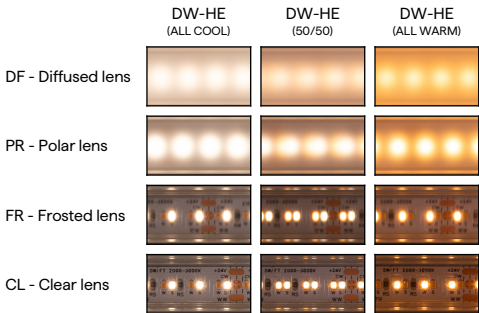
Profile with plastic mounting clip

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with WE1DW-**-30-DRY-STD

| | 1.5HE W/FT | | 2.5HE W/FT | | 4.0HE W/FT | |
|----|------------|-----|------------|-----|------------|-----|
| | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| CL | 160 | 98 | 253 | 98 | 393 | 98 |
| FR | 155 | 98 | 245 | 98 | 381 | 98 |
| PR | 150 | 98 | 236 | 98 | 367 | 98 |
| DF | 136 | 98 | 214 | 98 | 334 | 98 |

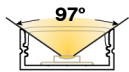
6 DIODE VISIBILITY



PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

CL



Clear 97°



ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

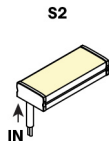
24VDC Linear Fixtures - Surface

7 WIRE INPUT/OUTPUT

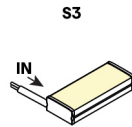
SINGLE (Input only)



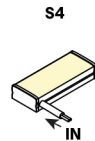
End Feed



Bottom Feed

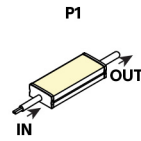


Side Feed - Left

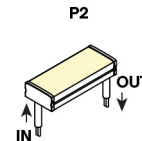


Side Feed - Right

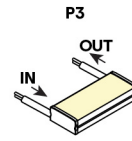
PASS THROUGH (Input/Output)



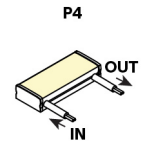
End Feed



Bottom Feed

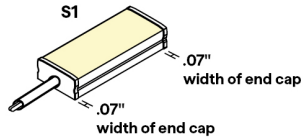


Side Feed - Left

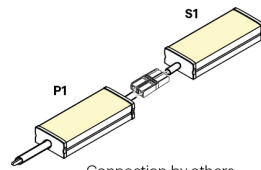


Side Feed - Right

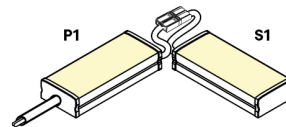
CONFIGURATION OPTIONS



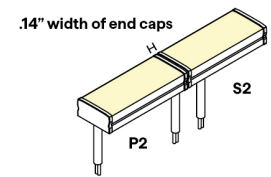
Single End Feed



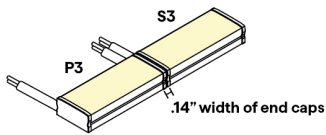
Connection by others
Non-Continuous End Feed



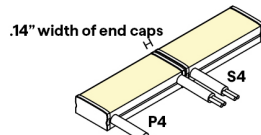
Connection by others
Non-Continuous Corner Feed



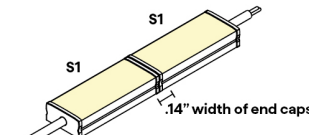
Continuous Bottom Feed



Continuous Side Feed - Left



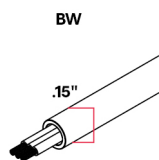
Continuous Side Feed - Right



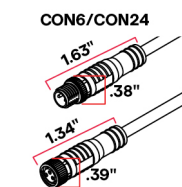
Continuous End to End Feed

8 / 9 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



Bare Wire 24"
22 AWG



6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

10 WIRE COLOR



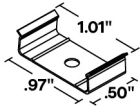


ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

12 MOUNTING

SST



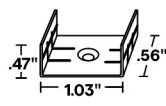
Stainless Steel Clip

2 clips provided for 4' or less; 4 clips provided for greater than 4'

To order separately use SST-09

Each clip comes with a #4 x 5/8" Flat Head SS

PL



Plastic Clip
Black clip standard with black extrusion

2 clips provided for 4' or less; 4 clips provided for greater than 4'

To order separately use PLC-03

Each clip comes with a #4 x 5/8" Flat Head SS

13 FINISH



Satin

Black

Bronze

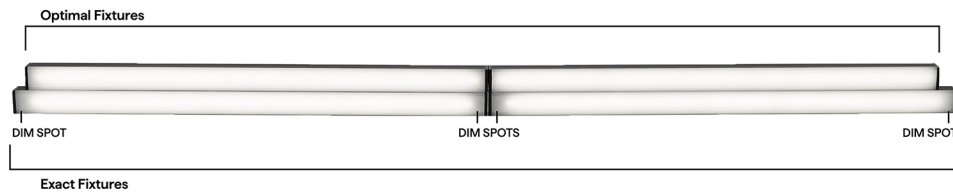
Custom finishes require a longer lead time, consult factory

14 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

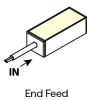
[E/O Explained →](#)

Exact fixtures are the exact length specified. Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.

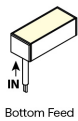
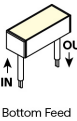


DW-HE DRY DMP LENGTHS BY INCH

EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture  |
|------------------|---|
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1" |
| 72" | 1" |
| 84" | 1" |
| 96" | 1" |

OPTIMAL LENGTH

| Requested Nominal Length | S1 & S2  End Feed | S2  Bottom Feed | P1 & P2  End Feed | P2  Bottom Feed | S3 & S4  Side Feed - Left | S4  Side Feed - Right | P3 & P4  Side Feed - Left | P4  Side Feed - Right |
|--------------------------|--|--|--|---|--|--|--|--|
| 12" | 10.51" | | 10.86" | | 10.41" | | 10.51" | |
| 13" | 12.51" | | 12.86" | | 12.41" | | 12.51" | |
| 14" | 12.51" | | 12.86" | | 12.41" | | 12.51" | |
| 15" | 14.51" | | 14.86" | | 14.41" | | 14.51" | |
| 16" | 14.51" | | 14.86" | | 14.41" | | 14.51" | |
| 17" | 16.51" | | 16.86" | | 16.41" | | 16.51" | |
| 18" | 16.51" | | 16.86" | | 16.41" | | 16.51" | |
| 19" | 18.51" | | 18.86" | | 18.41" | | 18.51" | |
| 20" | 18.51" | | 18.86" | | 18.41" | | 18.51" | |
| 21" | 20.51" | | 20.86" | | 20.41" | | 20.51" | |
| 22" | 20.51" | | 20.86" | | 20.41" | | 20.51" | |
| 23" | 22.51" | | 22.86" | | 22.41" | | 22.51" | |
| 24" | 22.51" | | 22.86" | | 22.41" | | 22.51" | |
| 36" | 34.51" | | 34.86" | | 34.41" | | 34.51" | |
| 48" | 46.51" | | 46.86" | | 46.41" | | 46.51" | |
| 60" | 58.51" | | 58.86" | | 58.41" | | 58.51" | |
| 72" | 70.51" | | 70.86" | | 70.41" | | 70.51" | |
| 84" | 82.51" | | 82.86" | | 82.41" | | 82.51" | |
| 96" | 94.51" | | 94.86" | | 94.41" | | 94.51" | |



ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

DW-HE WET LENGTHS BY INCH

EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture  |
|------------------|---|
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1" |
| 72" | 1" |
| 84" | 1" |
| 96" | 1" |

OPTIMAL LENGTH

| Requested Nominal Length | S1 & S2  End Feed | S2  Bottom Feed | P1 & P2  End Feed | P2  Bottom Feed | S3 & S4  Side Feed - Left | S4  Side Feed - Right | P3 & P4  Side Feed - Left | P4  Side Feed - Right |
|--------------------------|--|--|--|---|--|--|--|--|
| 12" | 10.66" | | 11.06" | | 10.56" | | 10.76" | |
| 13" | 12.66" | | 11.06" | | 12.56" | | 12.76" | |
| 14" | 12.66" | | 13.06" | | 12.56" | | 12.76" | |
| 15" | 14.66" | | 13.06" | | 14.56" | | 14.76" | |
| 16" | 14.66" | | 15.06" | | 14.56" | | 14.76" | |
| 17" | 16.66" | | 15.06" | | 16.56" | | 16.76" | |
| 18" | 16.66" | | 17.06" | | 16.56" | | 16.76" | |
| 19" | 18.66" | | 17.06" | | 18.56" | | 18.76" | |
| 20" | 18.66" | | 19.06" | | 18.56" | | 18.76" | |
| 21" | 20.66" | | 19.06" | | 20.56" | | 20.76" | |
| 22" | 20.66" | | 21.06" | | 20.56" | | 20.76" | |
| 23" | 22.66" | | 21.06" | | 22.56" | | 22.76" | |
| 24" | 22.66" | | 23.06" | | 22.56" | | 22.76" | |
| 36" | 34.66" | | 35.06" | | 34.56" | | 34.76" | |
| 48" | 46.66" | | 47.06" | | 46.56" | | 46.76" | |
| 60" | 58.66" | | 59.06" | | 58.56" | | 58.76" | |
| 72" | 70.66" | | 71.06" | | 70.56" | | 70.76" | |
| 84" | 82.66" | | 83.06" | | 82.56" | | 82.76" | |
| 96" | 94.66" | | 95.06" | | 94.56" | | 94.76" | |

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 | |


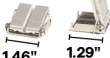



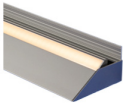


ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

| 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

| | | | | | |
|--|--|---|--|--|--|
| HINGE - HMB-M  1.41" .71" Adjustable mounting bracket - Medium | HINGE - HMB-L  1.46" 1.29" Adjustable mounting bracket - Large | HINGE - HMB-XL  1.46" 4" Adjustable mounting bracket - XLarge | Q-PIVOT  .75" 1.03" Small mounting accessory | Q-ANGLE  2.23" 1.38" Adjustable mounting accessory | QUOVA-STANDARD  QUOVA Knife Edge |
|--|--|---|--|--|--|