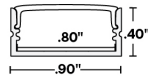
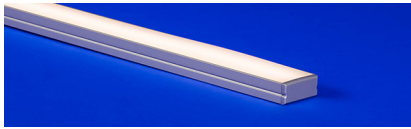




# ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

## 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 AMERICAN  
COMPLIANT



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS	WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
				STD										

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

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

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)

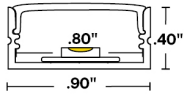
BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)



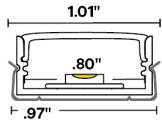
# ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

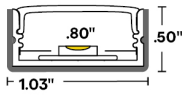
## 1 PRODUCT - DIMENSIONS



Profile with flat lens



Profile with stainless steel mounting clip



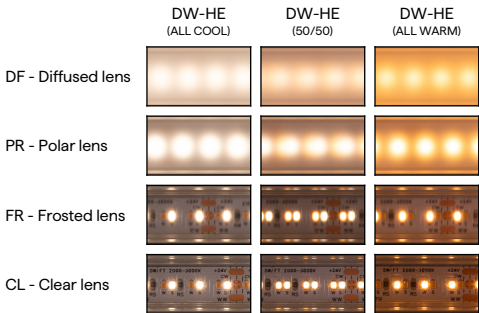
Profile with plastic mounting clip

## 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

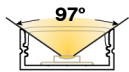
## 6 DIODE VISIBILITY



## 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

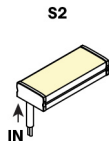
24VDC Linear Fixtures - Surface

## 7 WIRE INPUT/OUTPUT

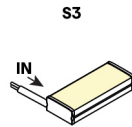
SINGLE (Input only)



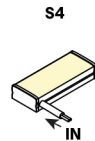
End Feed



Bottom Feed

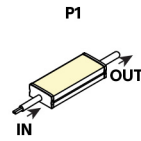


Side Feed - Left

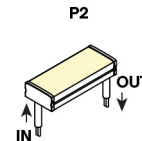


Side Feed - Right

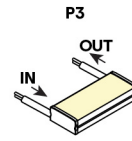
PASS THROUGH (Input/Output)



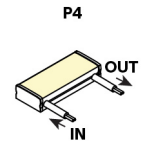
End Feed



Bottom Feed

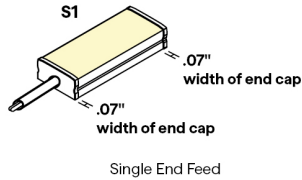


Side Feed - Left

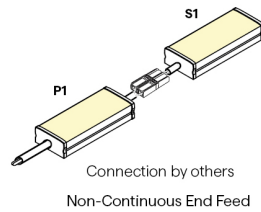


Side Feed - Right

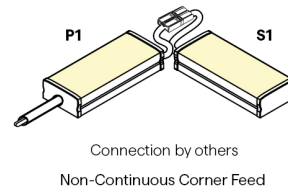
## CONFIGURATION OPTIONS



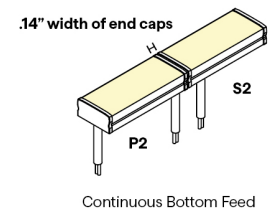
Single End Feed



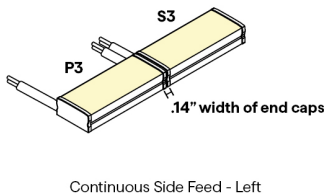
Connection by others  
Non-Continuous End Feed



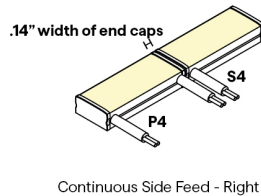
Connection by others  
Non-Continuous Corner Feed



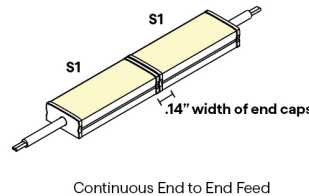
Continuous Bottom Feed



Continuous Side Feed - Left



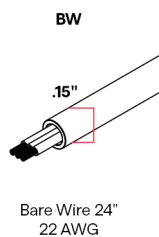
Continuous Side Feed - Right



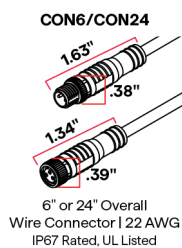
Continuous End to End Feed

## 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

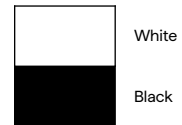


Bare Wire 24"  
22 AWG



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

## 10 WIRE COLOR



White

Black

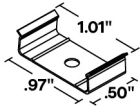


# ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

## 12 MOUNTING

SST



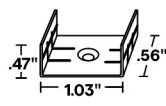
Stainless Steel Clip

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

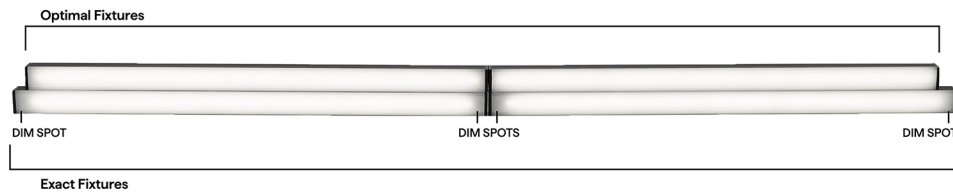
Custom finishes require a longer lead time, consult factory

## 14 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

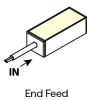
[E/O Explained →](#)

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.

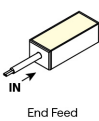
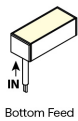
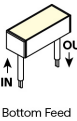
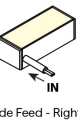


## DW-HE DRY DMP LENGTHS BY INCH

### 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		P1 & P2		S3 & S4		P3 & P4	
	 End Feed	 Bottom Feed	 End Feed	 Bottom Feed	 Side Feed - Left	 Side Feed - Right	 Side Feed - Left	 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	


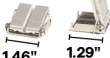



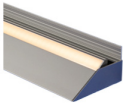


# ESSENTIALS WIDE-FLAT (01) FOR TUNABLE APPLICATIONS

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

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