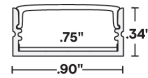




# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

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 to provide warmer CCTs as the light is dimmed
- When using DALI and DMX power supplies, LED wattage must be doubled

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: **WE1WD-6.0-19/30-DRY-STD-DF-P1-BW-BK-CL2-SST-BK-48"-E**

<b>1</b> <b>PRODUCT</b>  <b>WE1WD</b>  LED engine is built with 2 wires suitable for phase dimming control. See following pages for compatible power supplies.  <b>WE1DW</b>  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.	<b>2</b> <b>WATTS/FT</b>  <b>6.0</b> 6.0W/ft  <b>1.5HE</b> 1.5W/ft HE <b>2.5HE</b> 2.5W/ft HE <b>4.0HE</b> 4.0W/ft HE  <b>1.5HE</b> 1.5W/ft HE <b>2.5HE</b> 2.5W/ft HE	<b>3</b> <b>CCT</b>  <b>19/27</b> 1900K/2700K <b>19/30</b> 1900K/3000K  <b>20/27</b> 2000K/2700K <b>20/30</b> 2000K/3000K <b>27/40</b> 2700K/4000K <b>27/55</b> 2700K/5500K  <b>24/30</b> 2400K/3000K <b>27/40</b> 2700K/4000K	<b>4</b> <b>RATED</b>  <b>DRY</b> IP20 <b>WET</b> IP67  Can be suitable for exterior use, contact factory for more information  <b>DRY</b> IP20 <b>WET</b> IP67  Can be suitable for exterior use, contact factory for more information  <b>DMP</b> IP54	<b>5</b> <b>EFFICIENCY</b>  <b>STD</b> Standard	<b>6</b> <b>LENS</b>  <b>DF</b> Diffused <b>PR</b> Polar <b>FR</b> Frosted <b>CL</b> Clear  For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages	<b>7</b> <b>WIRE INPUT/OUTPUT</b>  <b>S1</b> Single 1 (Input only) - End Feed <b>S2</b> Single 2 (Input only) - Bottom Feed <b>S3</b> Single 3 (Input only) - Left Side Feed <b>S4</b> Single 4 (Input only) - Right Side Feed  For continuous mounting, consider bottom or side feed  <b>P1</b> Pass Through 1 (Input/output) - End Feed <b>P2</b> Pass Through 2 (Input/output) - Bottom Feed <b>P3</b> Pass Through 3 (Input/output) - Left Side Feed <b>P4</b> Pass Through 4 (Input/output) - Right Side Feed  For continuous mounting, consider bottom or side feed	<b>8</b> <b>CONNECTOR/WIRE IN</b>  <b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"  BRL only available with WE1WD 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)  <b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"  BRL only available with WE1WD 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)	<b>9</b> <b>CONNECTOR/WIRE OUT</b>  <b>CLS</b> Closed End (No feed)  <b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"  BRL only available with WE1WD 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)	<b>10</b> <b>WIRE COLOR</b>  <b>WH</b> White <b>BK</b> Black <b>N/A</b> For Barrel  wet barrel only available in black	<b>11</b> <b>WIRE TYPE</b>  <b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated <b>N/A</b> For Barrel  CL2P only available with bare wire leads (BW)	<b>12</b> <b>MOUNTING</b>  <b>SST</b> Stainless Steel <b>PL</b> Plastic Clip	<b>13</b> <b>FINISH</b>  <b>ST</b> Satin <b>BK</b> Black <b>BZ</b> Bronze <b>CU</b> Custom	<b>14</b> <b>LENGTH (IN)</b>  Fixture length min 12", max 98.43" not including end caps. Consult factory for lengths under 12".	<b>15</b> <b>EXACT/OPTIMAL</b>  <b>O</b> Optimal Illumination <b>E</b> Exact Specified Length  Exact fixtures are the exact length specified +0 - 1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.
--	--	--	---	--	--	--	--	--	---	---	--	--	--	---

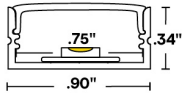
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



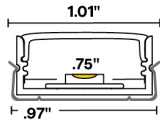
# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

## 24VDC Linear Fixtures - Surface

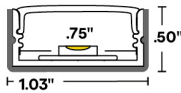
### 1 PRODUCT - DIMENSIONS



Profile with flat lens



Profile with stainless steel mounting clip



Profile with plastic mounting clip

### 2 DELIVERED LUMENS

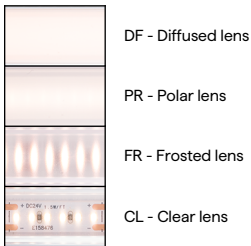
[Calculated L70 = 70000 hrs]  
Tested with WE1WD-\*\*-30-DRY-STD

	3000K	
	LM/FT	CRI
CL	407	97
FR	398	97
PR	378	97
DF	341	97

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

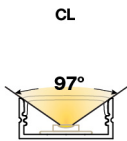
	1.5HE W/FT		2.5HE W/FT		4.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
CL	160	98	253	98	393	98
FR	155	98	245	98	381	98
PR	150	98	236	98	367	98
DF	136	98	214	98	334	98

### 6 DIODE VISIBILITY



### PHOTOMETRIC PERFORMANCE

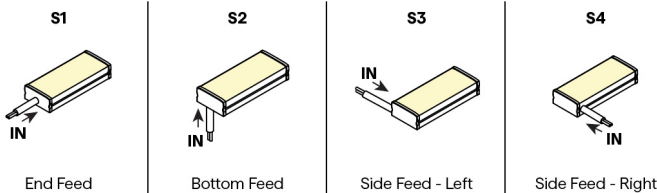
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



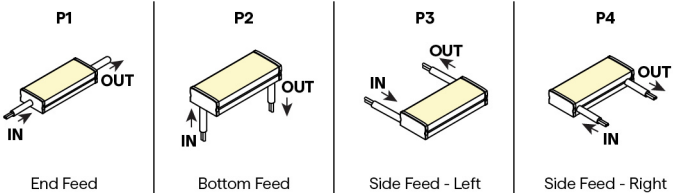
Clear 97°

### 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



PASS THROUGH (Input/Output)

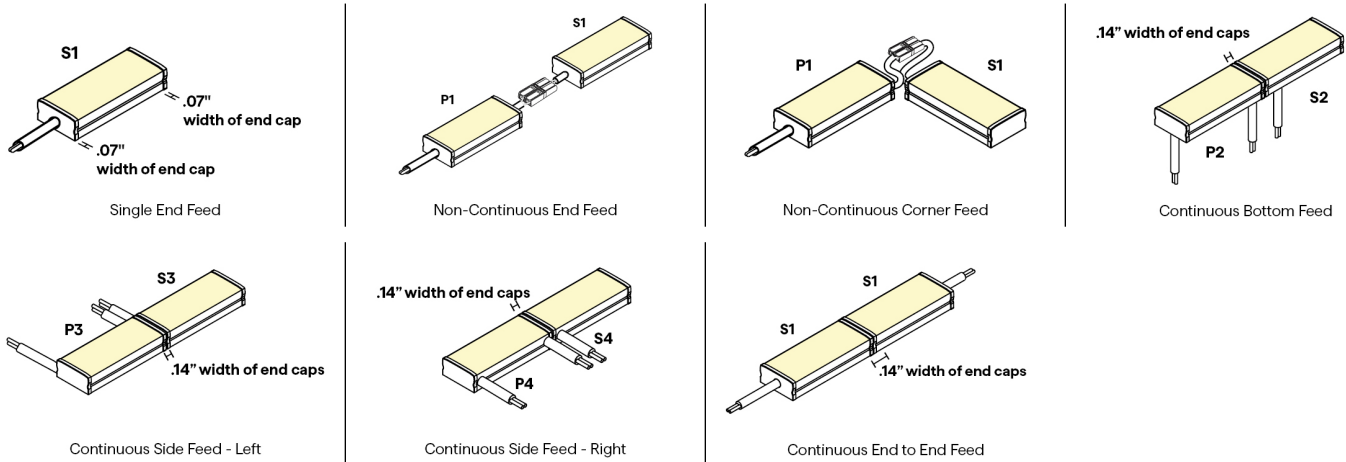




# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

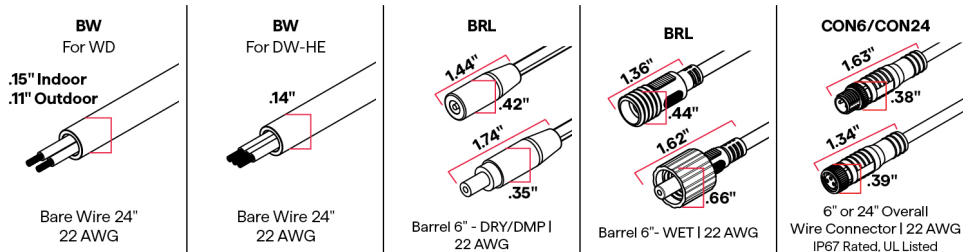
24VDC Linear Fixtures - Surface

## CONFIGURATION OPTIONS

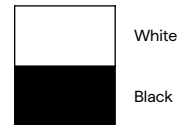


## 8 / 9 CONNECTOR/WIRE - IN/OUT

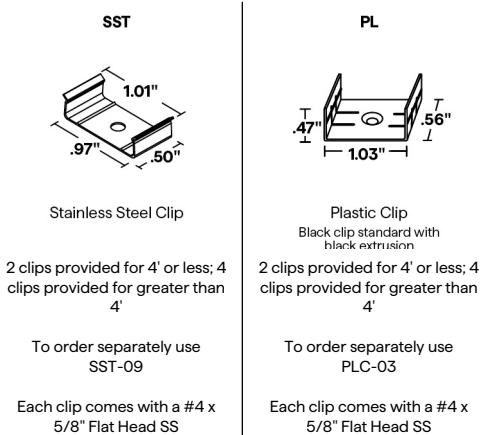
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



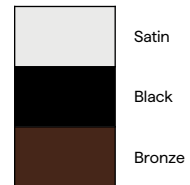
## 10 WIRE COLOR



## 12 MOUNTING



## 13 FINISH



Custom color available



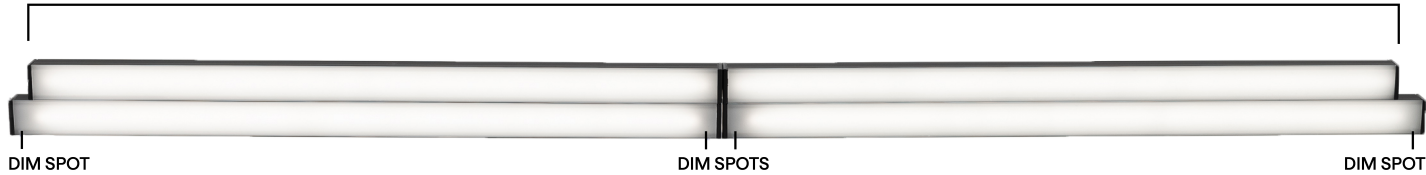
# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

## 24VDC Linear Fixtures - Surface

### 15 EXACT/OPTIMAL FIXTURE LENGTH

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.

Optimal Fixtures



Exact Fixtures

### WD, DW-HE DRY, DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43", chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 - 1/8". Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of 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: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1 End Feed IN	S2 Bottom Feed IN	P1 End Feed IN	P2 Bottom Feed IN	S3 Side Feed - Left IN	S4 Side Feed - Right IN	P3 Side Feed - Left IN	P4 Side Feed - Right IN
12"		10.5"		10.75"		10.375"		10.375"
13"		12.5"		12.75"		12.375"		12.375"
14"		12.5"		12.75"		12.375"		12.375"
15"		14.5"		14.75"		14.375"		14.375"
16"		14.5"		14.75"		14.375"		14.375"
17"		16.5"		16.75"		16.375"		16.375"
18"		16.5"		16.75"		16.375"		16.375"
19"		18.5"		18.75"		18.375"		18.375"
20"		18.5"		18.75"		18.375"		18.375"
21"		20.5"		20.75"		20.375"		20.375"
22"		20.5"		20.75"		20.375"		20.375"
23"		22.5"		22.75"		22.375"		22.375"
24"		22.5"		22.75"		22.375"		22.375"
36"		34.5"		34.75"		34.375"		34.375"
48"		46.5"		46.75"		46.375"		46.375"
60"		58.5"		58.75"		58.375"		58.375"
72"		70.5"		70.75"		70.375"		70.375"
84"		82.5"		82.75"		82.375"		82.375"
96"		94.5"		94.75"		94.375"		94.375"



# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

## 24VDC Linear Fixtures - Surface

### WD, DW-HE WET LENGTHS BY INCH

Available in any length in between 12" and 98.43", chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 - 1/8". Consult factory for lengths under 12".

#### EXACT LENGTH

Requested Length	Potential dim spot on either end of 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: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1 End Feed IN	S2 Bottom Feed IN	P1 End Feed IN	P2 Bottom Feed IN	S3 Side Feed - Left IN	S4 Side Feed - Right IN	P3 Side Feed - Left IN	P4 Side Feed - Right IN
12"		10.625"		10.875"		10.625"		10.625"
13"		12.625"		12.875"		12.625"		12.625"
14"		12.625"		12.875"		12.625"		12.625"
15"		14.625"		14.875"		14.625"		14.625"
16"		14.625"		14.875"		14.625"		14.625"
17"		16.625"		16.875"		16.625"		16.625"
18"		16.625"		16.875"		16.625"		16.625"
19"		18.625"		18.875"		18.625"		18.625"
20"		18.625"		18.875"		18.625"		18.625"
21"		20.625"		20.875"		20.625"		20.625"
22"		20.625"		20.875"		20.625"		20.625"
23"		22.625"		22.875"		22.625"		22.625"
24"		22.625"		22.875"		22.625"		22.625"
36"		34.625"		34.875"		34.625"		34.625"
48"		46.625"		46.875"		46.625"		46.625"
60"		58.625"		58.875"		58.625"		58.625"
72"		70.625"		70.875"		70.625"		70.625"
84"		82.625"		82.875"		82.625"		82.625"
96"		94.625"		94.875"		94.625"		94.625"

### 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	WD	DW-HE Warm Dim Applications	WD
0.1%	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QTM-eLED+0-10V QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DW QOM-eLED+WD QZ-DW	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-DMX QZ-PH/0-10V
1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED(E) QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6
10%	Non-Dim Power Supply with WD App Dongle	Non-Dim Power Supply with SW App Dongle		



# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

## 24VDC Linear Fixtures - Surface

DIMMING PROTOCOL	INDOOR		OUTDOOR	
	DW-HE Warm Dim Applications	WD	DW-HE Warm Dim Applications	WD
Phase	QZ-DW	QT-CAB-QZ-PH/0-10V QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DW QZ-DW	Q-SET-QZ-PH/0-10V QZ-PH/0-10V
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QTM-eLED+0-10V QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DW QOM-eLED+WD QZ-DW	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN	QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6-AWN		
ECO System		QTM-eLED(E)		
DMX If using DW LED, wattage must be doubled		QZ-DMX		QZ-DMX
DALI-2: DT6 If using DW LED, wattage must be doubled	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6	QOM-eLED+DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6
DALI-2: DT8 If using DW LED, wattage must be doubled	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	
SCENE App Dimmed	Non-Dim Power Supply with WD App Dongle	Non-Dim Power Supply with SW App Dongle		

### COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M

Adjustable mounting bracket - Medium

HINGE - HMB-L

Adjustable mounting bracket - Large

HINGE - HMB-XL

Adjustable mounting bracket - XLarge

Q-PIVOT

Small mounting accessory

Q-ANGLE

Adjustable mounting accessory

QUOVA-STANDARD

QUOVA Knife Edge

### COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

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

BARREL-EXT

8ft barrel cable extender  
DRY ONLY

BARREL FOUR-FER

Splits lead from one to four LED Barrel connector fixtures, DRY/DMP

CON120-EXT

10ft Con cable extender  
DRY/DMP/WET

CON FOUR-FER

Splits lead from one to four LED Con connectors  
DRY/DMP/WET

CON M - BARREL F

Male con to barrel cable adaptor  
DRY/DMP



# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

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## COMPATIBLE CONTROL ACCESSORIES

### SCENE APP DONGLE



Wi-Fi or Bluetooth  
Connectivity

## COMPATIBLE APPS

### NFC APP



Read and write  
DMX addresses and  
adjust voltage