



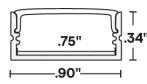
ESSENTIALS WIDE-FLAT (01)

WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface



Declare



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

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

1 PRODUCT WE1WD LED engine is built with 2 wires suitable for phase dimming control. See following pages for compatible power supplies.	2 WATTS/FT 6.0 6.0W/ft	3 CCT 19/27 1900K/2700K 19/30 1900K/3000K	4 RATED DRY IP20 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
WE1DW 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.	1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE 4.0HE 4.0W/ft HE	20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K	DRY IP20 WET IP67 Can be suitable for exterior use, contact factory for more information	DMP IP54	
	1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE	24/30 2400K/3000K 27/40 2700K/4000K			
7 WIRE INPUT/OUTPUT S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed S3 Single 3 (Input only) - Left Side Feed S4 Single 4 (Input only) - Right Side Feed For continuous mounting, consider bottom or side feed	8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 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)	9 CONNECTOR/WIRE OUT CLS Closed End (No feed)	10 WIRE COLOR WH White BK Black N/A For Barrel wet barrel only available in black		
P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed P3 Pass Through 3 (Input/output) - Left Side Feed P4 Pass Through 4 (Input/output) - Right Side Feed For continuous mounting, consider bottom or side feed	BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 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)	BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 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)			
11 WIRE TYPE CL2 Class 2 CL2P Plenum Rated N/A For Barrel 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	14 LENGTH (IN) Fixture length min 12", max 98.43" not including end caps. Consult factory for lengths under 12".	15 EXACT/OPTIMAL O Optimal Illumination E 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.	

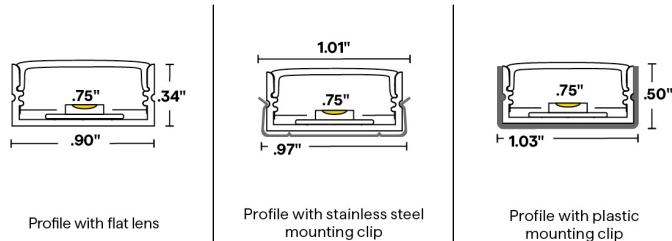
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

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

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

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

	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

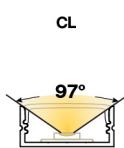
6 DIODE VISIBILITY



DF - Diffused lens
PR - Polar lens
FR - Frosted lens
CL - Clear lens

PHOTOMETRIC PERFORMANCE

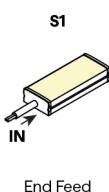
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



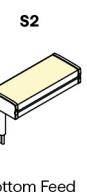
Clear 97°

7 WIRE INPUT/OUTPUT

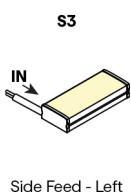
SINGLE (Input only)



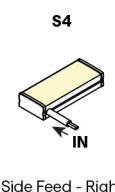
End Feed



Bottom Feed

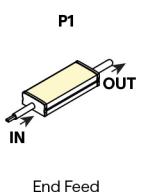


Side Feed - Left

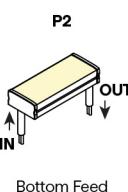


Side Feed - Right

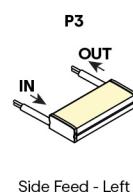
PASS THROUGH (Input/Output)



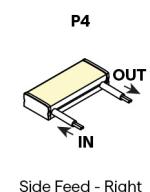
End Feed



Bottom Feed



Side Feed - Left



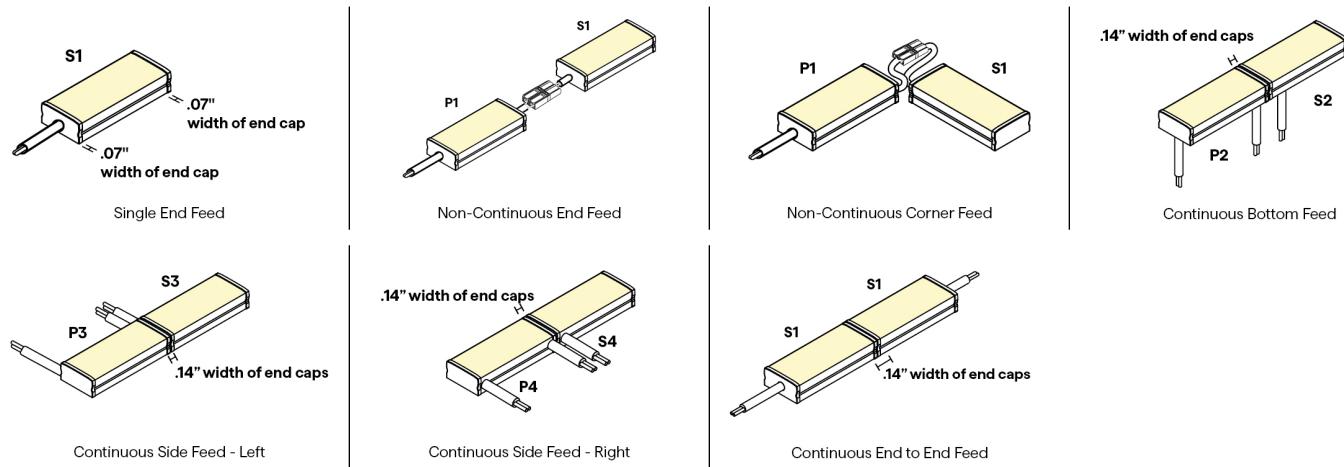
Side Feed - Right



ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

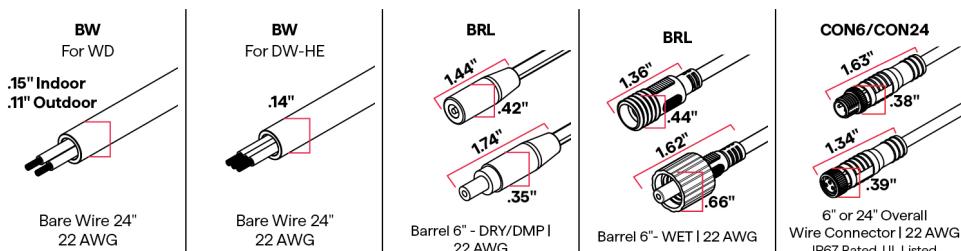
24VDC Linear Fixtures - Surface

CONFIGURATION OPTIONS



8 / 9 CONNECTOR/WIRE - IN/OUT

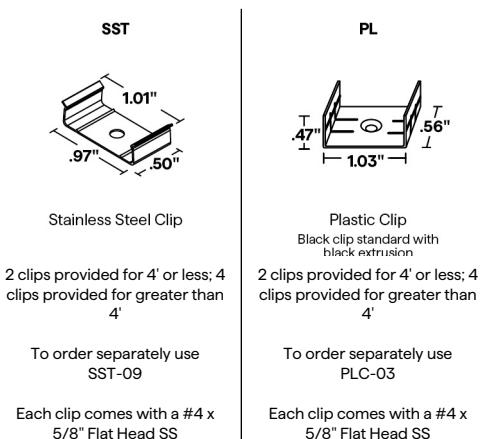
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



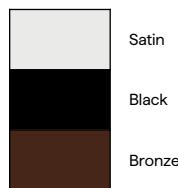
10 WIRE COLOR



12 MOUNTING



13 FINISH





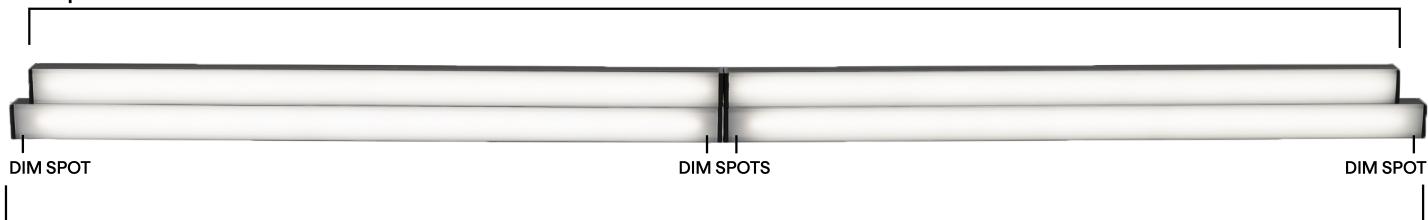
ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

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 $\pm 0 - 1/8"$. 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	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P3 Side Feed - Left	P4 Side Feed - Right
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 $\pm 0 - 1/8"$. Consult factory for lengths under 12".

EXACT LENGTH

Requested Length	Potential dim spot on either end of fixture
12"	1"
13"	0.5"
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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	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P3 Side Feed - Left	P4 Side Feed - Right
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 $\pm 5\%$ tolerance.

DIM TO LEVEL	INDOOR		OUTDOOR	
	DW-HE Warm Dim Applications	WD	DW-HE Warm Dim Applications	WD
0.1%	QT-CAB-QZ-PH/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-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-DT8-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	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	QUOVA-STANDARD
1.41" .71"	1.46" 1.29"	1.46" 4"	1.03" .75"	1.38" 2.23"	

Adjustable mounting bracket - Medium Adjustable mounting bracket - Large Adjustable mounting bracket - XLarge Small mounting accessory Adjustable mounting accessory QUOVA Knife Edge

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5 2.27" 2.80"	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
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UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)



ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage