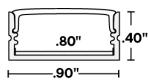




# ESSENTIALS WIDE-FLAT (01)

## 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 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

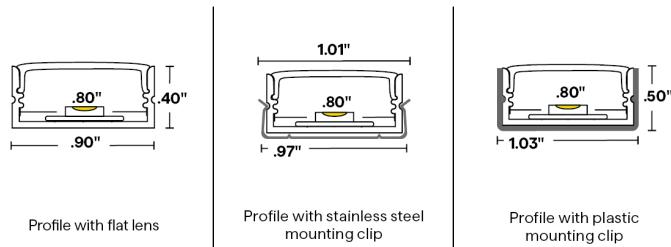
<b>1</b> <b>PRODUCT</b>  <b>WE1WD</b>  LED engine is built with 2 wires suitable for phase dimming control. See following pages for compatible power supplies.	<b>2</b> <b>WATTS/FT</b>  6.0 6.0W/ft	<b>3</b> <b>CCT</b>  19/27 1900K/2700K 19/30 1900K/3000K	<b>4</b> <b>RATED</b>  DRY IP20 WET IP67  Can be suitable for exterior use, contact factory for more information	<b>5</b> <b>EFFICIENCY</b>  STD Standard	<b>6</b> <b>LENS</b>  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
<b>WE1DW</b> <b>WE1DW-USA</b>  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.	<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>20/27</b> 2000K/2700K <b>20/30</b> 2000K/3000K <b>27/40</b> 2700K/4000K <b>27/55</b> 2700K/5500K	<b>DRY</b> IP20		
	<b>1.5HE</b> 1.5W/ft HE <b>2.5HE</b> 2.5W/ft HE	<b>24/30</b> 2400K/3000K <b>27/40</b> 2700K/4000K	<b>DMP</b> IP54		
	<b>1.5HE</b> 1.5W/ft HE <b>2.5HE</b> 2.5W/ft HE	<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>WET</b> IP67		
<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  <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	<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"	<b>9</b> <b>CONNECTOR/WIRE OUT</b>  <b>CLS</b> Closed End (No feed)	<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		
For continuous mounting, consider bottom or side feed	BRL only available with WE1WD BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	BRL only available with WE1WD BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)			
<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  Custom finishes require a longer lead time, consult factory.	<b>14</b> <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>15</b> <b>EXACT/OPTIMAL</b>  <b>O</b> Optimal Illumination <b>E</b> 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.	



# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

## 1 PRODUCT - DIMENSIONS



## 2 DELIVERED LUMENS

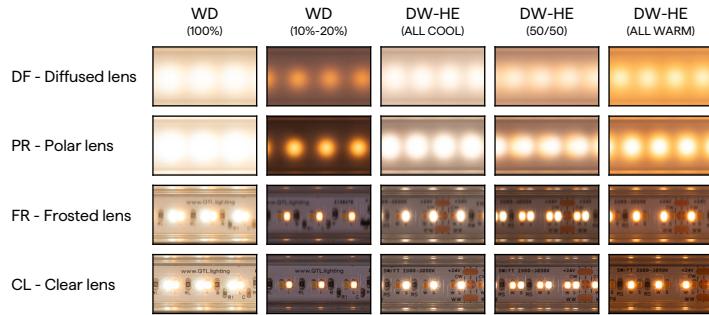
[Calculated L70 = 70000 hrs]  
Tested with WE1WD-\*\*-30-DRY-STD

	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.

CL



Clear 97°

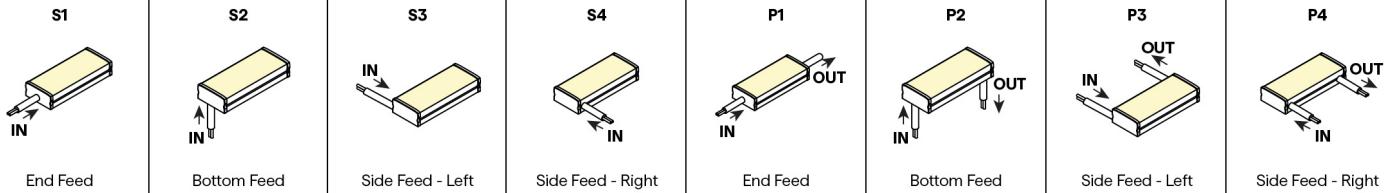


# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

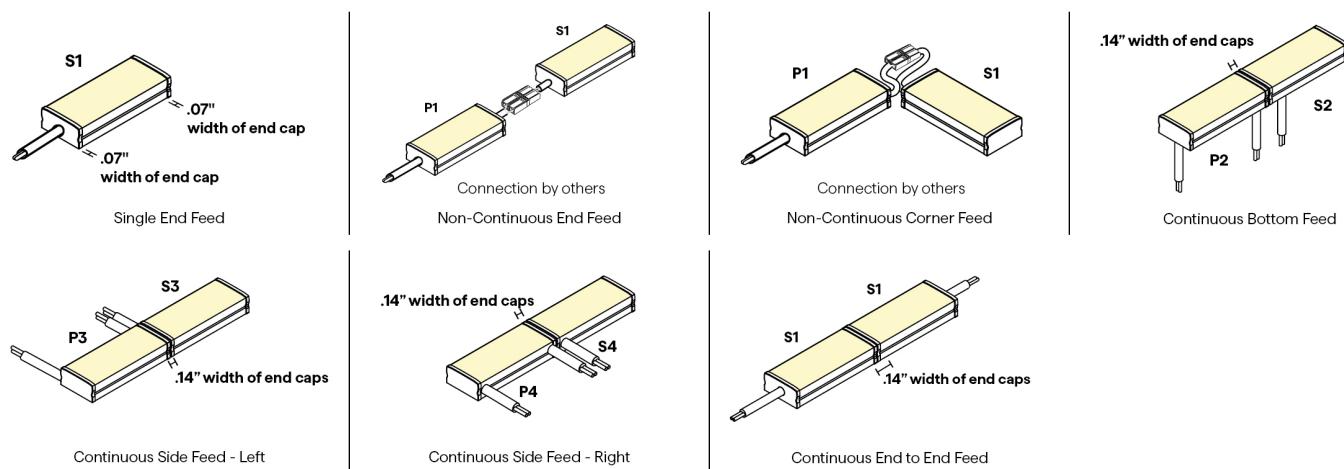
24VDC Linear Fixtures - Surface

## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

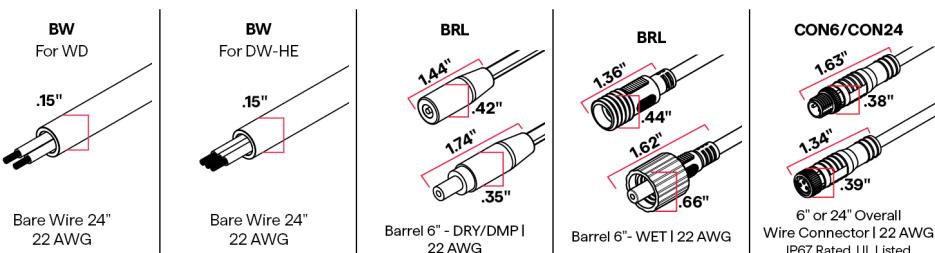


## CONFIGURATION OPTIONS



## 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

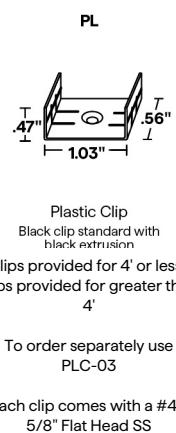
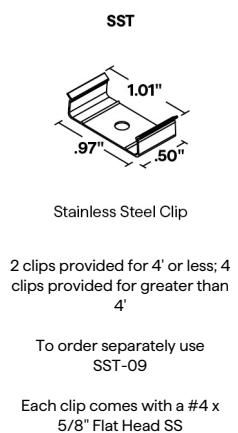




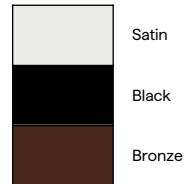
# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

## 12 MOUNTING



## 13 FINISH



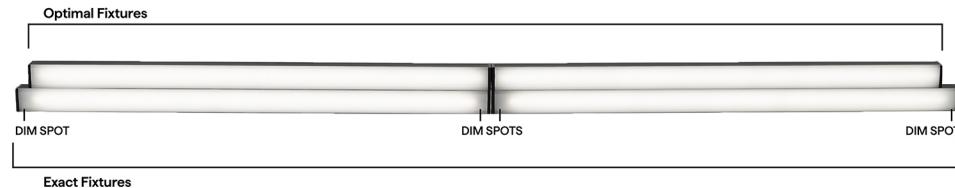
Custom finishes require a longer lead time, consult factory

## 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.



## WD DRY 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	
	S1	S2	P1	P2	S3	S4	P3	P4
12"	10.41"		10.66"		10.26"		10.36"	
13"	12.41"		12.66"		12.26"		12.36"	
14"	12.41"		12.66"		12.26"		12.36"	
15"	14.41"		14.66"		14.26"		14.36"	
16"	14.41"		14.66"		14.26"		14.36"	
17"	16.41"		16.66"		16.26"		16.36"	
18"	16.41"		16.66"		16.26"		16.36"	
19"	18.41"		18.66"		18.26"		18.36"	
20"	18.41"		18.66"		18.26"		18.36"	
21"	20.41"		20.66"		20.26"		20.36"	
22"	20.41"		20.66"		20.26"		20.36"	
23"	22.41"		22.66"		22.26"		22.36"	
24"	22.41"		22.66"		22.26"		22.36"	
36"	34.41"		34.66"		34.26"		34.36"	
48"	46.41"		46.66"		46.26"		46.36"	
60"	58.41"		58.66"		58.26"		58.36"	
72"	70.41"		70.66"		70.26"		70.36"	
84"	82.41"		82.66"		82.26"		82.36"	
96"	94.41"		94.66"		94.26"		94.36"	



# ESSENTIALS WIDE-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

## WD WET LENGTHS BY INCH

### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture	
	S1	End Feed
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	
	S1	S2	P1	P2	S3	S4	P3	P4
12"	10.61"		10.76"		10.51"		10.61"	
13"	12.61"		12.76"		12.51"		12.61"	
14"	12.61"		12.76"		12.51"		12.61"	
15"	14.61"		14.76"		14.51"		14.61"	
16"	14.61"		14.76"		14.51"		14.61"	
17"	16.61"		16.76"		16.51"		16.61"	
18"	16.61"		16.76"		16.51"		16.61"	
19"	18.61"		18.76"		18.51"		18.61"	
20"	18.61"		18.76"		18.51"		18.61"	
21"	20.61"		20.76"		20.51"		20.61"	
22"	20.61"		20.76"		20.51"		20.61"	
23"	22.61"		22.76"		22.51"		22.61"	
24"	22.61"		22.76"		22.51"		22.61"	
36"	34.61"		34.76"		34.51"		34.61"	
48"	46.61"		46.76"		46.51"		46.61"	
60"	58.61"		58.76"		58.51"		58.61"	
72"	70.61"		70.76"		70.51"		70.61"	
84"	82.61"		82.76"		82.51"		82.61"	
96"	94.61"		94.76"		94.51"		94.61"	

## DW-HE DRY DMP LENGTHS BY INCH

### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture	
	S1	End Feed
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	
	S1	S2	P1	P2	S3	S4	P3	P4
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) WARM DIM 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	
	S1	End Feed
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	
	S1	S2	P1	P2	S3	S4	P3	P4
12"	10.66"	11.06"	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 Warm Dim Applications	WD	DW-HE Warm Dim Applications	WD
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	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	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	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 QZ-DMX QZ-PH/0-10V
1%	QZ-DALI-DT8	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8	Q-SET+QZ-DALI-DT6 QZ-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
<b>Phase</b>	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
<b>0-10V</b>	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
<b>Lutron Athena</b>	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		
<b>ECO System</b>		QTM-eLED(E)		
<b>DMX</b> If using DW LED, wattage must be doubled		QZ-DMX		QZ-DMX
<b>DALI-2: DT6</b> If using DW LED, wattage must be doubled except for AWN	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 QZ-DALI-DT6
<b>DALI-2: DT8</b> If using DW LED, wattage must be doubled 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	
<b>SCENE App Dimmed</b>	Non-Dim Power Supply with WD App Dongle	Non-Dim Power Supply with SW App Dongle		

## COMPATIBLE MOUNTING ACCESSORIES

<b>HINGE - HMB-M</b>	<b>HINGE - HMB-L</b>	<b>HINGE - HMB-XL</b>	<b>Q-PIVOT</b>	<b>Q-ANGLE</b>	<b>QUOVA-STANDARD</b>
1.41"  .71"	1.46"  1.29"	1.46"  4"	.75"  1.03"	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