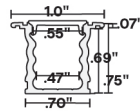
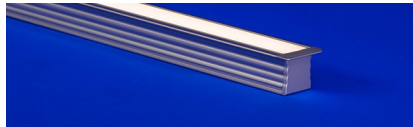




ESSENTIALS FLUR™-FLAT (01)

STATIC WHITE

24VDC Linear Fixtures - Recessed



- Deep flanged recessed fixture
- Choose from diffused, polar, frosted, clear 45°, clear 60°, or clear 80° lens options for varying diode visibility and beam angles
- Offered with an optional mounting tray and features two wire feed options and stainless steel mounting clips
- Features painted end caps to match extrusion finish
- 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



Declare.

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

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

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
					SST			

Sample Part Number: **FL1SW-3.0HE-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

1 PRODUCT FL1SW FL1SW-USA Select USA option for BAA and BABA projects. SW and SW-HE only. Only DRY or WET ratings apply. See following pages for compatible power supplies.	2 WATTS/FT 1.51.5W/ft 3.03.0W/ft 4.04.0W/ft 5.05.0W/ft 1.5HE1.5W/ft HE 3.0HE3.0W/ft HE 6.0HE6.0W/ft HE 9.0HE9.0W/ft HE 3.0HE+3.0W/ft HE+ 6.0HE+6.0W/ft HE+ 1.51.5W/ft 3.03.0W/ft 4.04.0W/ft 5.05.0W/ft 1.5HE1.5W/ft HE 3.0HE3.0W/ft HE 6.0HE6.0W/ft HE 1.51.5W/ft 3.03.0W/ft 4.04.0W/ft 5.05.0W/ft	3 CCT 202000K 222200K 242400K 272700K 303000K 353500K 404000K 272700K 303000K 353500K 404000K 242400K 272700K 303000K 353500K 404000K 202000K 222200K 242400K 272700K 303000K 353500K 404000K	4 RATED DRYIP20 DMPIP54 WETIP67 Can be suitable for exterior use, contact factory for more information	5 EFFICIENCY STDStandard WOWhite Optics WhiteOptics - Internal coating, greater lumen output	6 LENS DFDiffused PRPolar FRFrosted CL/45Clear 45° CL/60Clear 60° CL/80Clear 80° 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) S1End Feed S2Bottom Feed For continuous mounting, consider bottom feed. PASS THROUGH (Input/output) P1End Feed P2Bottom Feed For continuous mounting, consider bottom feed.	8 CONNECTOR/WIRE IN BWBare Wire (Standard 24") BRLBarrel CON6Connector 6" CON24Connector 24" BW: Standard length is 24"; Max length is 120". Request custom length by writing in part number next to BW (example: BW48) BWBare Wire (Standard 24") BRLBarrel CON6Connector 6" CON24Connector 24" 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 CLSClosed End (No feed) BWBare Wire (Standard 24") BRLBarrel CON6Connector 6" CON24Connector 24" BW: Standard length is 24"; Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	10 WIRE COLOR WHWhite BKBlack N/AFOR Barrel wet barrel only available in black		
11 WIRE TYPE CL2Class 2 CL2PPlenum Rated N/AFOR Barrel CL2P only available with bare wire leads (BW)	12 MOUNTING SSTStainless Steel	13 FINISH STSatin BKBlack CUCustom 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 OOptimal Illumination EExact 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.	

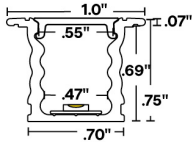
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



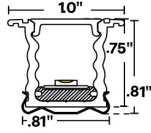
ESSENTIALS FLUR™-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Recessed

1 PRODUCT - DIMENSIONS



Profile



Profile with stainless steel mounting clip and mounting tray

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs, L70 = 50000 for HE+]
Tested with FL1SW-**-30-DRY-STD

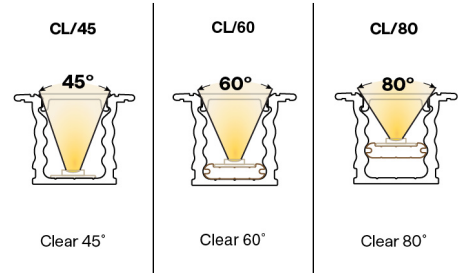
	1.5 W/FT		1.5HE W/FT		3.0 W/FT		3.0HE W/FT		3.0HE+ W/FT		4.0 W/FT		5.0 W/FT		6.0HE W/FT		6.0HE+ W/FT		9.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
CL/45	117	98	155	98	205	98	283	98	400	92	254	98	310	98	537	98	740	92	807	98
CL/60	119	98	158	98	207	98	289	98	405	92	257	98	313	98	547	98	749	92	822	98
CL/80	126	98	167	98	219	98	306	98	429	92	272	98	331	98	580	98	792	92	872	98
FR	114	98	151	98	199	98	277	98	389	92	247	98	301	98	524	98	719	92	788	98
PR	93	98	135	98	163	98	248	98	318	92	202	98	246	98	470	98	588	92	707	98
DF	77	98	89	98	134	98	163	98	235	92	166	98	202	98	309	98	435	92	465	98

[Calculated L70 = 70000 hrs, L70 = 50000 for HE+]
Tested with FL1SW-**-30-DRY-WO

	1.5 W/FT		1.5HE W/FT		3.0 W/FT		3.0HE W/FT		3.0HE+ W/FT		4.0 W/FT		5.0 W/FT		6.0HE W/FT		6.0HE+ W/FT		9.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
CL/45	129	98	167	98	225	98	305	98	440	92	280	98	341	98	578	98	814	92	869	98
CL/60	130	98	168	98	227	98	308	98	444	92	282	98	344	98	584	98	821	92	877	98
CL/80	135	98	174	98	236	98	319	98	461	92	293	98	356	98	605	98	852	92	910	98
FR	126	98	163	98	220	98	299	98	431	92	274	98	334	98	566	98	797	92	851	98
PR	107	98	138	98	186	98	253	98	364	92	231	98	282	98	478	98	673	92	719	98
DF	82	98	106	98	143	98	194	98	280	92	178	98	216	98	367	98	517	92	552	98

PHOTOMETRIC PERFORMANCE

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





ESSENTIALS FLUR™-FLAT (01) STATIC WHITE

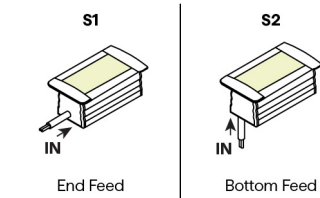
24VDC Linear Fixtures - Recessed

TEMPERATURE RATINGS

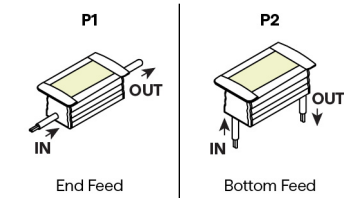
		1.5 W/FT		1.5 HE W/FT		3.0 W/FT		3.0 HE W/FT		3.0 HE+ W/FT		4.0 W/FT		5.0 W/FT		6.0 HE W/FT		6.0 HE+ W/FT		9.0 HE W/FT	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	135°F	-4°F	140°F	-4°F	130°F	-4°F	135°F	-13°F	135°F	-4°F	120°F	-4°F	110°F	-4°F	110°F	-13°F	110°F	-4°F	95°F
	Ambient Operating Temp - Surface	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
DMP	Ambient Operating Temp - Recessed	-4°F	130°F	-4°F	135°F	-4°F	125°F	-4°F	130°F	**	**	-4°F	115°F	-4°F	105°F	-4°F	105°F	**	**	**	**
	Ambient Operating Temp - Surface	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
WET	Ambient Operating Temp - Recessed	-4°F	130°F	**	**	-4°F	125°F	**	**	**	**	-4°F	115°F	-4°F	105°F	**	**	**	**	**	**
	Ambient Operating Temp - Surface	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**

7 WIRE INPUT/OUTPUT

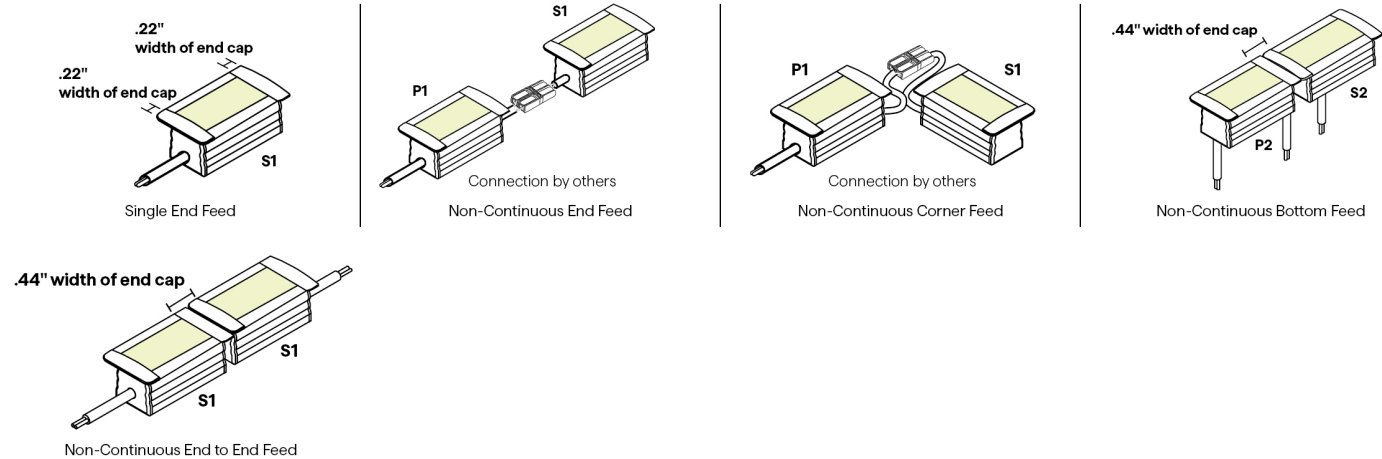
SINGLE (Input only)



PASS THROUGH (Input/Output)



CONFIGURATION OPTIONS



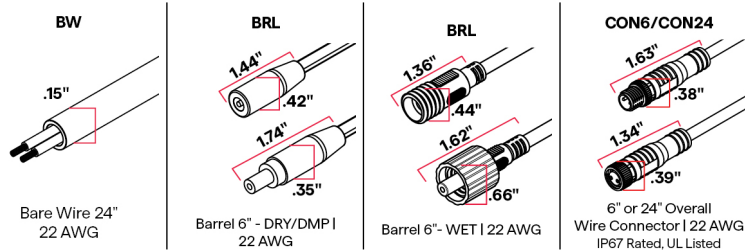


ESSENTIALS FLUR™-FLAT (01) STATIC WHITE

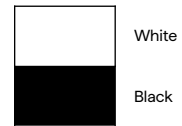
24VDC Linear Fixtures - Recessed

8 / 9 CONNECTOR/WIRE - IN/OUT

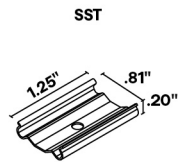
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



10 WIRE COLOR



12 MOUNTING



Stainless Steel Clip

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

To order separately use SST-01

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

13 FINISH



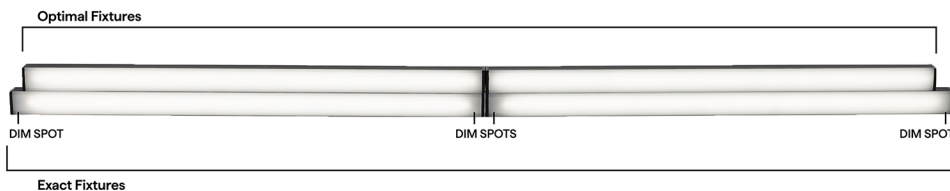
Custom finishes require a longer lead time, consult factory

15 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.





ESSENTIALS FLUR™-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Recessed

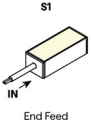
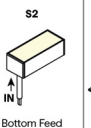
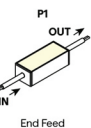
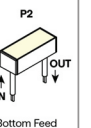
SW DRY, DMP LENGTHS BY INCH

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"	.5"
13"	.5"
14"	.5"
15"	.5"
16"	.5"
17"	.5"
18"	.5"
19"	.5"
20"	.5"
21"	.5"
22"	.5"
23"	.5"
24"	.5"
36"	.5"
48"	.5"
60"	.5"
72"	.5"
84"	.5"
96"	.5"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
				
12"	11.41"		11.66"	
13"	12.41"		12.66"	
14"	13.41"		13.66"	
15"	14.41"		14.66"	
16"	15.41"		15.66"	
17"	16.41"		16.66"	
18"	17.41"		17.66"	
19"	18.41"		18.66"	
20"	19.41"		19.66"	
21"	20.41"		20.66"	
22"	21.41"		21.66"	
23"	22.41"		22.66"	
24"	23.41"		23.66"	
36"	35.41"		35.66"	
48"	47.41"		47.66"	
60"	59.41"		59.66"	
72"	71.41"		71.66"	
84"	83.41"		83.66"	
96"	95.41"		95.66"	

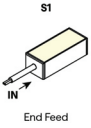
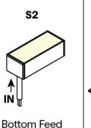
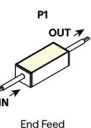
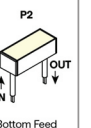
SW WET LENGTHS BY INCH

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"	.5"
13"	.5"
14"	.5"
15"	.5"
16"	.5"
17"	.5"
18"	.5"
19"	.5"
20"	.5"
21"	.5"
22"	.5"
23"	.5"
24"	.5"
36"	.5"
48"	.5"
60"	.5"
72"	.5"
84"	.5"
96"	.5"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
				
12"	11.56"		11.71"	
13"	12.56"		12.71"	
14"	13.56"		13.71"	
15"	14.56"		14.71"	
16"	15.56"		15.71"	
17"	16.56"		16.71"	
18"	17.56"		17.71"	
19"	18.56"		18.71"	
20"	19.56"		19.71"	
21"	20.56"		20.71"	
22"	21.56"		21.71"	
23"	22.56"		22.71"	
24"	23.56"		23.71"	
36"	35.56"		35.71"	
48"	47.56"		47.71"	
60"	59.56"		59.71"	
72"	71.56"		71.71"	
84"	83.56"		83.71"	
96"	95.56"		95.71"	



ESSENTIALS FLUR™-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Recessed

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	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1	QOM-DC+CAP QOM-PH	QOM-DC+CAP QOM-PH
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN 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-DMX 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	Q-SET-QZ-DMX 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%	QTM-eLED(E) QZ-DALI-DT6	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED	

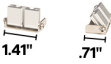
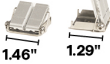


ESSENTIALS FLUR™-FLAT (01) STATIC WHITE

24VDC Linear Fixtures - Recessed

DIMMING PROTOCOL	INDOOR		OUTDOOR	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND iQ-ND-50-65	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND iQ-ND-50-65
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-DC+CAP QOM-PH QZ-PH/0-10V	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PH/0-10V
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN		
ECO System	QTM-eLED(E)	QTM-eLED(E)		
DMX	QZ-DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-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	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW 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
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