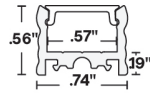
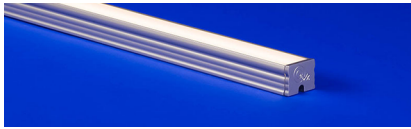




ESSENTIALS TALO-FLAT (01) SW-HE

24VDC Linear Fixtures - Surface



- Linear fixture designed for surface mount and grid ceiling applications
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Mounting options include hidden stainless steel clip and plastic T-bar 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



410.2 & 410.16
Closet Rated
up to 4.0W/ft



SW-HE
ONLY



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: **TO1SW-3.0HE-30-DRY-STD-DF-P1-BW-BW-BK-CL2-HSS-BK-48"-E**

<div>1</div> <div>PRODUCT</div> <div><div>TO1SW</div><div>TO1SW-USA</div><div>Select USA option for BAA and BABA projects. SW-HE only. Only DRY ratings apply.</div><div>See following pages for compatible power supplies.</div></div>	<div>2</div> <div>WATTS/FT</div> <div><div><div>1.5HE</div><div>3.0HE</div><div>6.0HE</div></div><div><div>1.5W/ft HE</div><div>3.0W/ft HE</div><div>6.0W/ft HE</div></div></div> <div><div><div>3.0HE+</div><div>6.0HE+</div></div><div><div>3.0W/ft HE+</div><div>6.0W/ft HE+</div></div></div> <div><div><div>1.5HE</div><div>3.0HE</div><div>6.0HE</div></div><div><div>1.5W/ft HE</div><div>3.0W/ft HE</div><div>6.0W/ft HE</div></div></div> <div><div><div>3.0HE+</div><div>6.0HE+</div></div><div><div>3.0W/ft HE+</div><div>6.0W/ft HE+</div></div></div>	<div>3</div> <div>CCT</div> <div><div><div>20</div><div>22</div><div>24</div><div>27</div><div>30</div><div>35</div><div>40</div></div><div><div>2000K</div><div>2200K</div><div>2400K</div><div>2700K</div><div>3000K</div><div>3500K</div><div>4000K</div></div></div> <div><div><div>27</div><div>30</div><div>35</div><div>40</div></div><div><div>2700K</div><div>3000K</div><div>3500K</div><div>4000K</div></div></div> <div><div><div>24</div><div>27</div><div>30</div><div>35</div><div>40</div></div><div><div>2400K</div><div>2700K</div><div>3000K</div><div>3500K</div><div>4000K</div></div></div> <div><div><div>27</div><div>30</div><div>35</div><div>40</div></div><div><div>2700K</div><div>3000K</div><div>3500K</div><div>4000K</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>5</div> <div>EFFICIENCY</div> <div><div><div>STD</div><div>Standard</div></div></div>	<div>6</div> <div>LENS</div> <div><div><div>DF</div><div>PR</div><div>FR</div><div>CL</div></div><div><div>Diffused</div><div>Polar</div><div>Frosted</div><div>Clear</div></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>7</div> <div>WIRE INPUT/OUTPUT</div> <div><div><div>S1</div><div>S2</div></div><div><div>Single 1 (Input only) - End Feed</div><div>Single 2 (Input only) - Bottom Feed</div></div></div> <div><div><div>P1</div><div>P2</div></div><div><div>Pass Through 1 (Input/output) - End Feed</div><div>Pass Through 2 (Input/output) - Bottom Feed</div></div></div>	<div>8</div> <div>CONNECTOR/WIRE IN</div> <div><div><div>BW</div><div>BRL</div><div>CON6</div><div>CON24</div></div><div><div>Bare Wire (Standard 24")</div><div>Barrel</div><div>Connector 6"</div><div>Connector 24"</div></div></div> <div><div><div>BW</div><div>BRL</div><div>CON6</div><div>CON24</div></div><div><div>Bare Wire (Standard 24")</div><div>Barrel</div><div>Connector 6"</div><div>Connector 24"</div></div></div>	<div>9</div> <div>CONNECTOR/WIRE OUT</div> <div><div><div>CLS</div></div><div><div>Closed End (No feed)</div></div></div> <div><div><div>BW</div><div>BRL</div><div>CON6</div><div>CON24</div></div><div><div>Bare Wire (Standard 24")</div><div>Barrel</div><div>Connector 6"</div><div>Connector 24"</div></div></div>	<div>10</div> <div>WIRE COLOR</div> <div><div><div>WH</div><div>BK</div><div>N/A</div></div><div><div>White</div><div>Black</div><div>For Barrel</div></div></div> <div>wet barrel only available in black</div>		
For continuous mounting, consider bottom feed When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.		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>11</div> <div>WIRE TYPE</div> <div><div><div>CL2</div><div>CL2P</div><div>N/A</div></div><div><div>Class 2</div><div>Plenum Rated</div><div>For Barrel</div></div></div> <div>CL2P only available with bare wire leads (BW)</div>	<div>12</div> <div>MOUNTING</div> <div><div><div>HSS</div><div>TBC-01</div><div>TBC-02</div></div><div><div>Hidden Stainless Steel Clip</div><div>9/16" Flat or Tegular TB-Grid</div><div>15/16" Flat or Tegular TB-Grid</div></div></div>	<div>13</div> <div>FINISH</div> <div><div><div>ST</div><div>BK</div><div>CU</div></div><div><div>Satin</div><div>Black</div><div>Custom</div></div></div> <div>Custom finishes require a longer lead time, consult factory</div>	<div>14</div> <div>LENGTH (IN)</div> <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>15</div> <div>EXACT/OPTIMAL</div> <div><div><div>O</div><div>E</div></div><div><div>Optimal Illumination</div><div>Exact Specified Length</div></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>	

For continuous mounting, consider bottom feed
When using TBC Mounting, a bare wire S2 wire feed is recommended.
See install instructions for details.

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

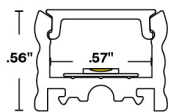
BW: Standard length is 24", Max length is 120".
Request custom length by writing in part number next to BW (example: BW48)



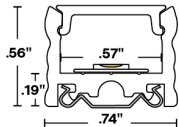
ESSENTIALS TALO-FLAT (01) SW-HE

24VDC Linear Fixtures - Surface

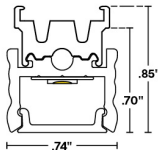
1 PRODUCT - DIMENSIONS



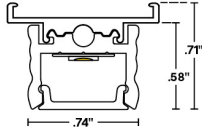
Profile with flat lens



Profile with hidden stainless steel mounting clip



Profile with TBC-01



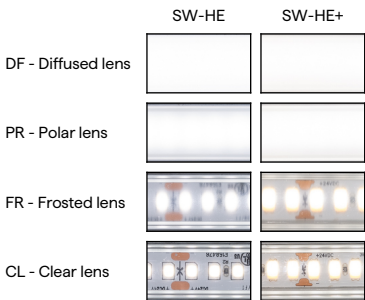
Profile with TBC-02

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs, L70 = 50000 for HE+]
Tested with TO1SW-**-30-DRY-STD

	1.5HE W/FT		3.0HE W/FT		3.0HE+ W/FT		6.0HE W/FT		6.0HE+ W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
CL	170	98	312	98	450	92	591	98	832	92
FR	168	98	307	98	443	92	582	98	819	92
PR	154	98	282	98	407	92	534	98	751	92
DF	140	98	257	98	371	92	487	98	685	92

6 DIODE VISIBILITY



PHOTOMETRIC PERFORMANCE

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



Clear 80°



ESSENTIALS TALO-FLAT (01) SW-HE

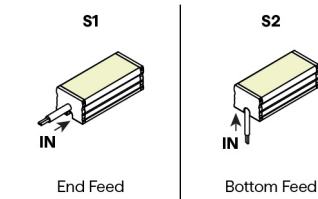
24VDC Linear Fixtures - Surface

TEMPERATURE RATINGS

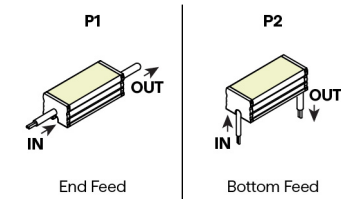
		1.5 HE W/FT		3.0 HE W/FT		3.0 HE+ W/FT		6.0 HE W/FT		6.0 HE+ W/FT	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	145°F	-4°F	135°F	-13°F	135°F	-4°F	120°F	-13°F	120°F
DMP	Ambient Operating Temp - Surface	-14°F	140°F	-4°F	130°F	**	**	-4°F	115°F	**	**
WET	Ambient Operating Temp - Surface	**	**	**	**	-13°F	130°F	**	**	-13°F	115°F

7 WIRE INPUT/OUTPUT

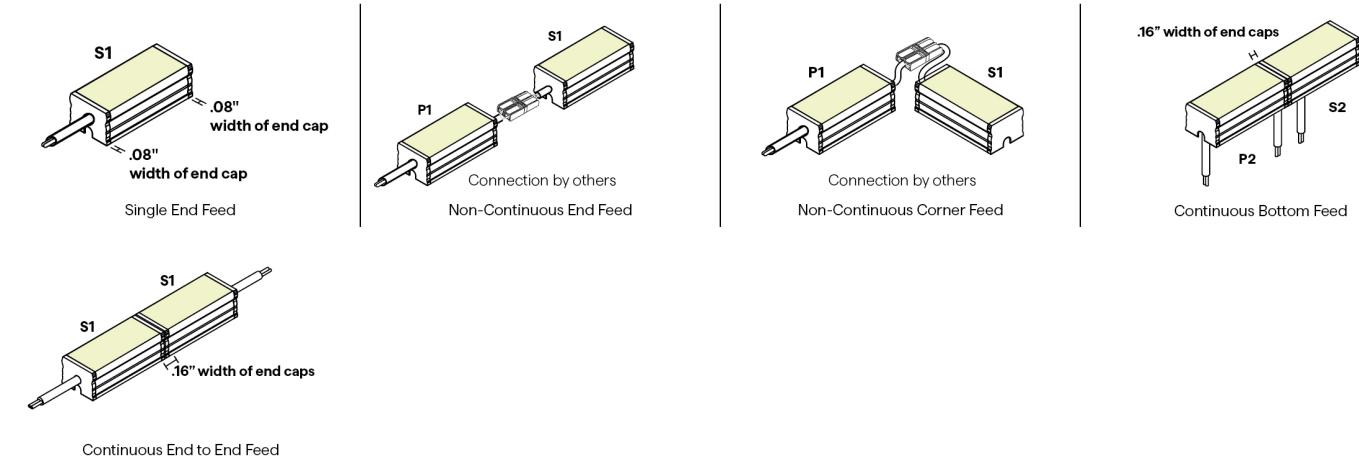
SINGLE (Input only)



PASS THROUGH (Input/Output)

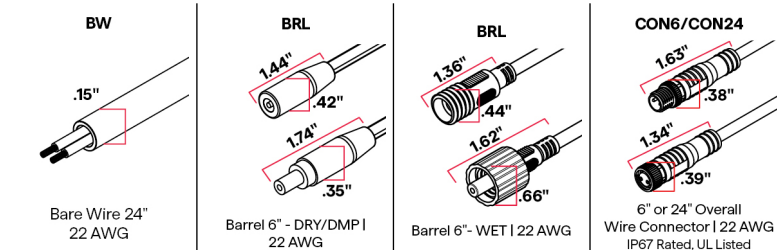


CONFIGURATION OPTIONS



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 TALO-FLAT (01) SW-HE

24VDC Linear Fixtures - Surface

12 MOUNTING

HSS



Hidden Stainless Steel Clip

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

To order separately use SST-02

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

TBC-01



Plastic T-Bar Clip

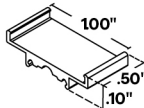
Use on 9/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-01

Each pair of clips comes with M2.5 x 4mm

TBC-02



Plastic T-Bar Clip

Use on 15/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length. 1 T-Bar Mounting Jig included with each fixture.

To order separately use TBC-02

Each pair of clips comes with M2.5 x 4mm

13 FINISH



Satin

Black

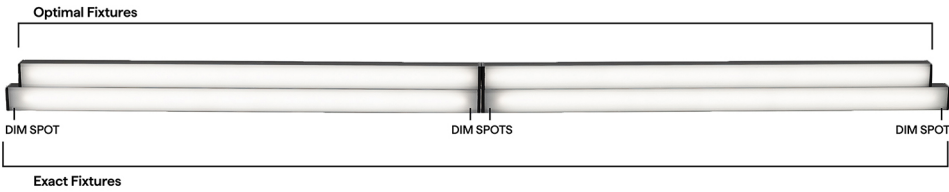
Custom finishes require a longer lead time, consult factory

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.





ESSENTIALS TALO-FLAT (01) SW-HE

24VDC Linear Fixtures - Surface

SW-HE, SW-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	
				
12"	10.41"		10.66"	
13"	12.41"		12.66"	
14"	12.41"		12.66"	
15"	14.41"		14.66"	
16"	14.41"		14.66"	
17"	16.41"		16.66"	
18"	16.41"		16.66"	
19"	18.41"		18.66"	
20"	18.41"		18.66"	
21"	20.41"		20.66"	
22"	20.41"		20.66"	
23"	22.41"		22.66"	
24"	22.41"		22.66"	
36"	34.41"		34.66"	
48"	46.41"		46.66"	
60"	58.41"		58.66"	
72"	70.41"		70.66"	
84"	82.41"		82.66"	
96"	94.41"		94.66"	

SW-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		P1 & P2	
				
12"	10.61"		10.76"	
13"	12.61"		12.76"	
14"	12.61"		12.76"	
15"	14.61"		14.76"	
16"	14.61"		14.76"	
17"	16.61"		16.76"	
18"	16.61"		16.76"	
19"	18.61"		18.76"	
20"	18.61"		18.76"	
21"	20.61"		20.76"	
22"	20.61"		20.76"	
23"	22.61"		22.76"	
24"	22.61"		22.76"	
36"	34.61"		34.76"	
48"	46.61"		46.76"	
60"	58.61"		58.76"	
72"	70.61"		70.76"	
84"	82.61"		82.76"	
96"	94.61"		94.76"	



ESSENTIALS TALO-FLAT (01) SW-HE

24VDC Linear Fixtures - Surface

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
	SW24/5.0, SW-HE, SW-HE+	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	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 QTM-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
1%	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	

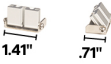
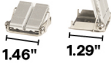



DIMMING PROTOCOL	INDOOR	OUTDOOR
	SW24/5.0, SW-HE, SW-HE+	SW24/5.0, SW-HE, SW-HE+
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1	Q-SET-QZ-PH/0-10V 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	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	
ECO System	QTM-eLED(E)	
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	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	



ESSENTIALS TALO-FLAT (01) SW-HE

24VDC Linear Fixtures - Surface

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE
				
1.41" .71"	1.46" 1.29"	1.46" 4"	.75" 1.03"	2.23" 1.38"
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory