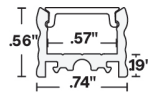
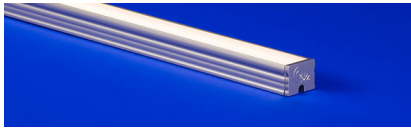




ESSENTIALS TALO-FLAT (01) SW-IA

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
- Utilize DMX and SPI protocols to control nominal 1" segments of specifiable white LEDs

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
TO1IA	5.0		DRY	STD										

Sample Part Number: **TO1IA-5.0-30-DRY-STD-DF-P1-BW-BW-BK-CL2-HSS-BK-48"-E**

<div><div>1</div><div>PRODUCT</div><div>TO1IA</div><div>See following pages for compatible power supplies.</div></div>	<div><div>2</div><div>WATTS/FT</div><div>5.05.0W/ft</div></div>	<div><div>3</div><div>CCT</div><div>272700K 303000K 353500K 404000K</div></div>	<div><div>4</div><div>RATED</div><div>DRYIP20</div></div>	<div><div>5</div><div>EFFICIENCY</div><div>STDStandard</div></div>	<div><div>6</div><div>LENS</div><div>DFDiffused PRPolar FRFrosted CLClear</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>
<div><div>7</div><div>WIRE INPUT/OUTPUT</div><div>S1Single 1 (Input only) - End Feed S2Single 2 (Input only) - Bottom Feed</div><div>For continuous mounting, consider bottom feed</div><div>When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.</div><div>P1Pass Through 1 (Input/output) - End Feed P2Pass Through 2 (Input/output) - Bottom Feed</div><div>For continuous mounting, consider bottom feed</div><div>When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.</div></div>	<div><div>8</div><div>CONNECTOR/WIRE IN</div><div>BWBare Wire (Standard 24") CON6Connector 6" CON24Connector 24"</div><div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div><div>BWBare Wire (Standard 24") CON6Connector 6" CON24Connector 24"</div><div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div>	<div><div>9</div><div>CONNECTOR/WIRE OUT</div><div>CLSClosed End (No feed)</div><div>BWBare Wire (Standard 24") CON6Connector 6" CON24Connector 24"</div><div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div>	<div><div>10</div><div>WIRE COLOR</div><div>WHWhite BKBlack</div></div>		
<div><div>11</div><div>WIRE TYPE</div><div>CL2Class 2 CL2PPlenum Rated</div><div>CL2P only available with bare wire leads (BW)</div></div>	<div><div>12</div><div>MOUNTING</div><div>HSSHidden Stainless Steel Clip TBC-019/16" Flat or Tegular TB-Grid TBC-0215/16" Flat or Tegular TB-Grid</div></div>	<div><div>13</div><div>FINISH</div><div>STSatin BKBlack CUCustom</div><div>Custom finishes require a longer lead time, consult factory</div></div>	<div><div>14</div><div>LENGTH (IN)</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>OOptimal Illumination EExact Specified Length</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></div>	

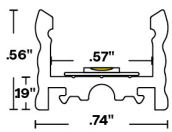
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



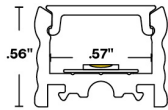
ESSENTIALS TALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface

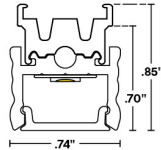
1 PRODUCT - DIMENSIONS



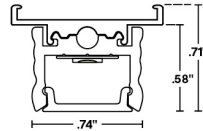
Profile



Profile with flat lens



Profile with TBC-01



Profile with TBC-02

6 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

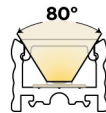
FR - Frosted lens

CL - Clear lens

PHOTOMETRIC PERFORMANCE

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

CL

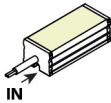


Clear 80°

7 WIRE INPUT/OUTPUT

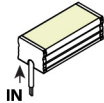
SINGLE (Input only)

S1



End Feed

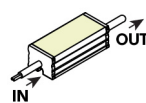
S2



Bottom Feed

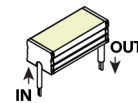
PASS THROUGH (Input/Output)

P1



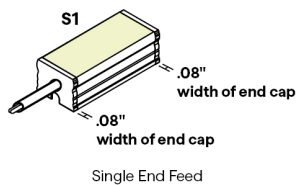
End Feed

P2

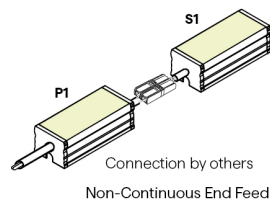


Bottom Feed

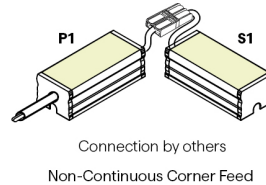
CONFIGURATION OPTIONS



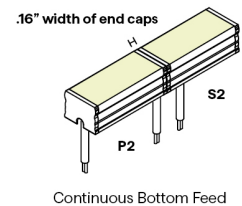
Single End Feed



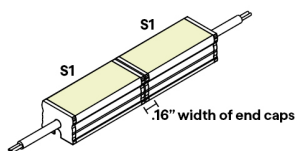
Connection by others
Non-Continuous End Feed



Connection by others
Non-Continuous Corner Feed



Continuous Bottom Feed



Continuous End to End Feed

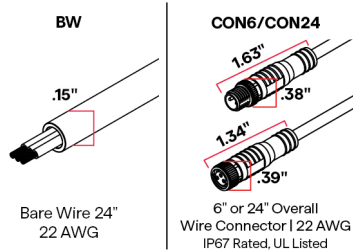


ESSENTIALS TALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface

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

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

To order separately use TBC-01

Each pair of clips comes with M2.5 x 4mm set screw and Allen key

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

To order separately use TBC-02

Each pair of clips comes with M2.5 x 4mm set screw and Allen key

13 FINISH



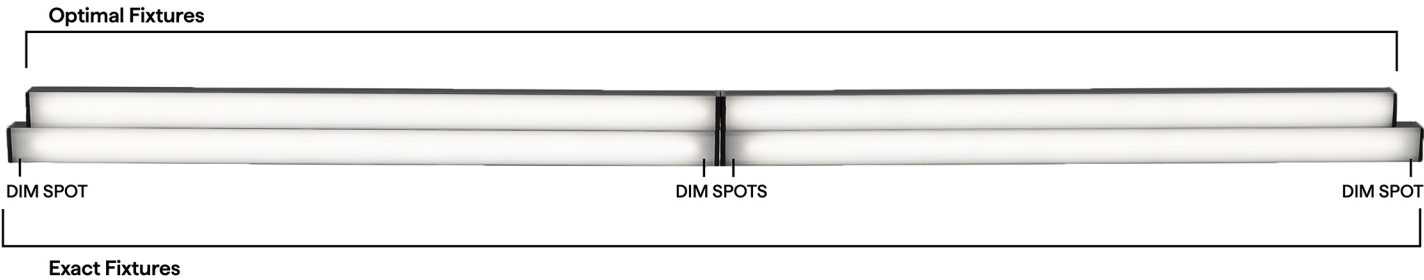
Custom finishes require a longer lead time, consult factory

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 TALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface

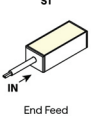
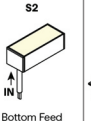
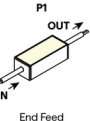
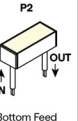
SW-IA DRY LENGTHS BY INCH

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"	.975"
13"	1.475"
14"	.3"-1.975"
15"	.8"
16"	1.3"
17"	1.8"
18"	.625"
19"	1.125"
20"	1.625"
21"	.45"
22"	.95"
23"	1.45"
24"	1.95"
36"	1.25"
48"	0.55"
60"	1.525"
72"	0.825"
84"	1.8"
96"	1.1"

OPTIMAL LENGTH: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S2		P1 & P2	
				
12"	10.46"		10.71"	
13"	10.46"		10.71"	
14"	13.81"		10.71"	
15"	13.81"		14.06"	
16"	13.81"		14.06"	
17"	13.81"		14.06"	
18"	17.16"		17.41"	
19"	17.16"		17.41"	
20"	17.16"		17.41"	
21"	20.51"		20.76"	
22"	20.51"		20.76"	
23"	20.51"		20.76"	
24"	23.86"		20.76"	
36"	33.91"		34.16"	
48"	47.31"		47.56"	
60"	57.36"		57.61"	
72"	70.76"		71.01"	
84"	80.81"		81.06"	
96"	94.21"		94.46"	

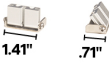
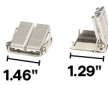




COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR
	SW-IA
1%	QT-CAB-eLED+IA QTM-eLED+IA

DIMMING PROTOCOL	INDOOR
	SW-IA
DMX	QT-CAB-eLED+IA QTM-eLED+IA

COMPATIBLE MOUNTING ACCESSORIES


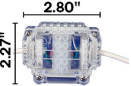





HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	VHB
					
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	Double sided mounting tape



ESSENTIALS TALO-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface

COMPATIBLE WIRING ACCESSORIES

Q-mini-J  UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	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
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