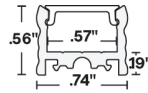
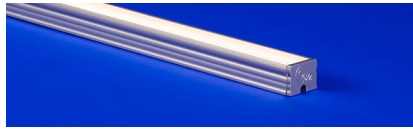




ESSENTIALS TALO-FLAT (01) FOR TUNABLE APPLICATIONS

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
- Used in applications where CCT and brightness need to be controlled separately
- When using DALI and DMX power supplies, LED wattage must be doubled



Declare.

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

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

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

Sample Part Number: **T01DW-2.5HE-20/30-DRY-STD-DF-P1-BW-BW-BK-CL2-HSS-BK-48"-E**

<div>1</div> <div>PRODUCT</div> <div>T01DW T01DW-USA</div> <div>Select USA option for BAA and BABA projects. Only DRY or WET ratings apply.</div> <div>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.</div>	<div>2</div> <div>WATTS/FT</div> <div>1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE</div> <div>1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE</div>	<div>3</div> <div>CCT</div> <div>20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K</div> <div>24/30 2400K/3000K 27/40 2700K/4000K</div>	<div>4</div> <div>RATED</div> <div>DRY IP20 WET IP67</div> <div>Can be suitable for exterior use, contact factory for more information</div> <div>DMP IP54</div>	<div>5</div> <div>EFFICIENCY</div> <div>STD Standard</div>	<div>6</div> <div>LENS</div> <div>DF Diffused PR Polar FR Frosted CL Clear</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>SINGLE (Input only) S1 End Feed S2 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>PASS THROUGH (Input/output) P1 End Feed P2 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>8</div> <div>CONNECTOR/WIRE IN</div> <div>BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 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>BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 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>9</div> <div>CONNECTOR/WIRE OUT</div> <div>CLS Closed End (No feed)</div> <div>BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 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>10</div> <div>WIRE COLOR</div> <div>WH White BK Black</div>	<div>11</div> <div>WIRE TYPE</div> <div>CL2 Class 2 CL2P Plenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div>	<div>12</div> <div>MOUNTING</div> <div>HSS Hidden Stainless Steel Clip TBC-01 9/16" Flat or Tegular TB-Grid TBC-02 15/16" Flat or Tegular TB-Grid</div>	<div>13</div> <div>FINISH</div> <div>ST Satin BK Black CU Custom</div> <div>Custom finishes require a longer lead time, consult factory</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>15</div> <div>EXACT/OPTIMAL</div> <div>O Optimal Illumination E Exact 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>

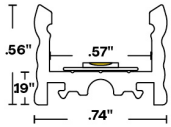
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



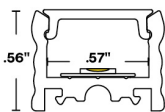
ESSENTIALS TALO-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

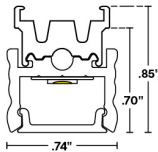
1 PRODUCT - DIMENSIONS



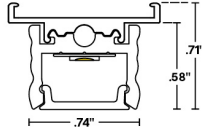
Profile



Profile with flat lens



Profile with TBC-01



Profile with TBC-02

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with TO1DW-**-30-DRY-STD

	1.5HE W/FT		2.5HE W/FT	
	LM/FT	CRI	LM/FT	CRI
CL	136	98	215	98
FR	134	98	212	98
PR	123	98	195	98
DF	112	98	177	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 80°

TEMPERATURE RATINGS

		DW 1.5 HE W/FT		DW 3.0 HE W/FT		DW 2.5 HE W/FT		DW 5.0 HE W/FT	
		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply		QTL power supply other than DALI, DMX		DALI, DMX, or non-QTL power supply	
		Min	Max	Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	145°F	-4°F	135°F	-4°F	140°F	-4°F	120°F
DMP	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	130°F	-4°F	135°F	-4°F	115°F
WET	Ambient Operating Temp - Surface	-4°F	140°F	-4°F	130°F	-4°F	135°F	-4°F	115°F

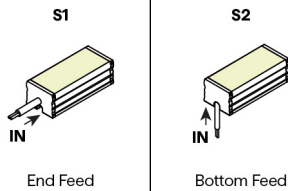


ESSENTIALS TALO-FLAT (01) FOR TUNABLE APPLICATIONS

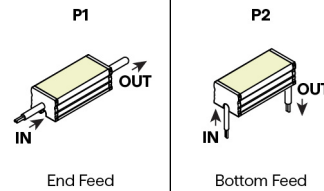
24VDC Linear Fixtures - Surface

7 WIRE INPUT/OUTPUT

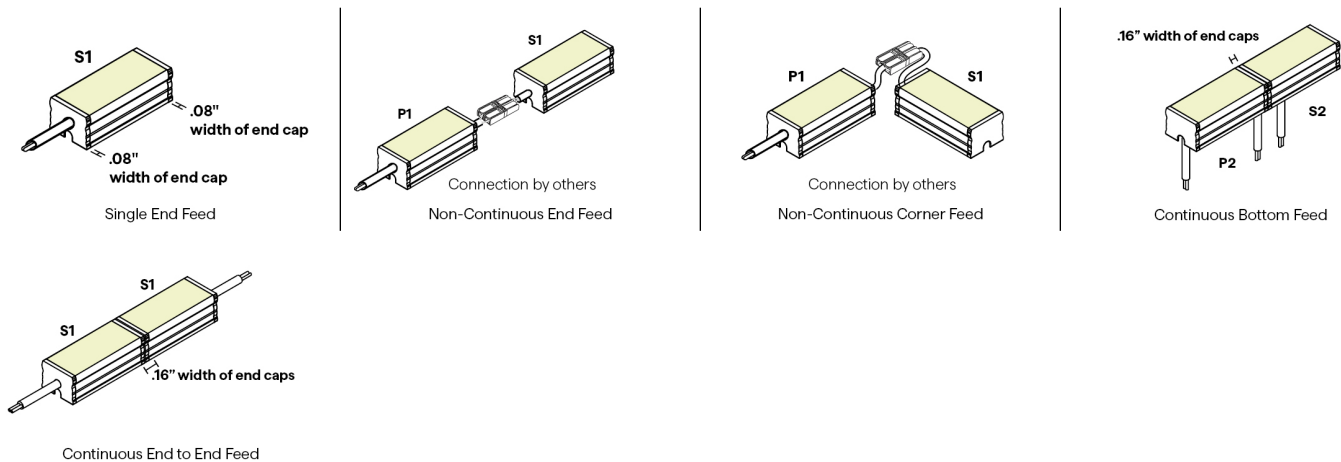
SINGLE (Input only)



PASS THROUGH (Input/Output)

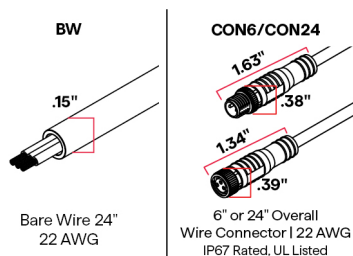


CONFIGURATION OPTIONS



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) FOR TUNABLE APPLICATIONS

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

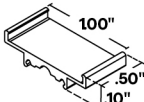
Use on 9/16" Flat or Tegular Drop Ceiling

2 clips provided for first 12"; 1 clip provided for each additional 12" or less length

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



Satin

Black

Custom finishes require a longer lead time, consult factory

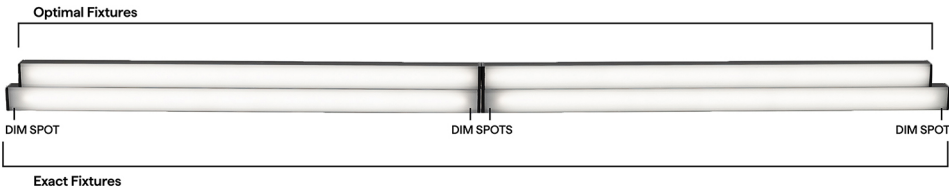
Custom finishes require a longer lead time, consult factory

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.



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 +0 - 1/8". Consult factory for lengths under 12".



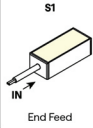
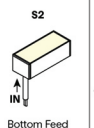
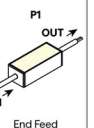

ESSENTIALS TALO-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface

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	
				
12"		10.51"		10.86"
13"		12.51"		12.86"
14"		12.51"		12.86"
15"		14.51"		14.86"
16"		14.51"		14.86"
17"		16.51"		16.86"
18"		16.51"		16.86"
19"		18.51"		18.86"
20"		18.51"		18.86"
21"		20.51"		20.86"
22"		20.51"		20.86"
23"		22.51"		22.86"
24"		22.51"		22.86"
36"		34.51"		34.86"
48"		46.51"		46.86"
60"		58.51"		58.86"
72"		70.51"		70.86"
84"		82.51"		82.86"
96"		94.51"		94.86"

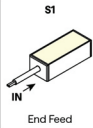
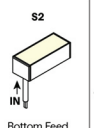
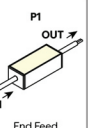
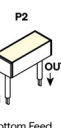
DW-HE WET LENGTHS BY INCH

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 +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	
				
12"		10.66"		11.06"
13"		12.66"		11.06"
14"		12.66"		13.06"
15"		14.66"		13.06"
16"		14.66"		15.06"
17"		16.66"		15.06"
18"		16.66"		17.06"
19"		18.66"		17.06"
20"		18.66"		19.06"
21"		20.66"		19.06"
22"		20.66"		21.06"
23"		22.66"		21.06"
24"		22.66"		23.06"
36"		34.66"		35.06"
48"		46.66"		47.06"
60"		58.66"		59.06"
72"		70.66"		71.06"
84"		82.66"		83.06"
96"		94.66"		95.06"



ESSENTIALS TALO-FLAT (01) FOR TUNABLE APPLICATIONS

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
	DW-HE Tunable Applications	DW-HE Tunable Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	DW-HE Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN	QOM-eLED+TW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN	
DMX LED wattage must be doubled for DW-HE products	QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products 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
SCENE App Dimmed	Non-Dim Power Supply with TW App Dongle	


COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M




Adjustable mounting bracket - Medium

HINGE - HMB-L




Adjustable mounting bracket - Large

HINGE - HMB-XL




Adjustable mounting bracket - XLarge

Q-PIVOT




Small mounting accessory

Q-ANGLE



Adjustable mounting accessory

VHB



Double sided mounting tape