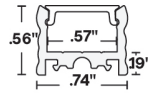
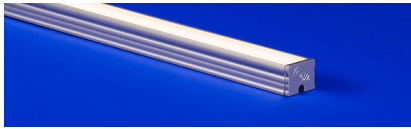




ESSENTIALS TALO-FLAT (01)

WARM DIM 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 to provide warmer CCTs as the light is dimmed
- When using DALI and DMX power supplies, LED wattage must be doubled

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: **T01WD-6.0-19/30-DRY-STD-DF-P1-BW-BW-BK-CL2-HSS-BK-48"-E**

1	PRODUCT	2	WATTS/FT	3	CCT	4	RATED	5	EFFICIENCY	6	LENS
	T01WD LED engine is built with 2 wires suitable for phase dimming control. See following pages for compatible power supplies.		6.0 6.0W/ft		19/27 1900K/2700K 19/30 1900K/3000K		DRY IP20 WET IP67 Can be suitable for exterior use, contact factory for more information		STD Standard		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
	T01DW T01DW-USA 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 s		1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE		20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K		DRY IP20 WET IP67 Can be suitable for exterior use, contact factory for more information				
			1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE		24/30 2400K/3000K 27/40 2700K/4000K		DMP IP54				
7	WIRE INPUT/OUTPUT	8	CONNECTOR/WIRE IN	9	CONNECTOR/WIRE OUT	10	WIRE COLOR				
	SINGLE (Input only) S1 End Feed S2 Bottom Feed For continuous mounting, consider bottom feed When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.	BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" BRL only available with T01WD BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	CLS Closed End (No feed)		WH White BK Black N/A For Barrel wet barrel only available in black						
	PASS THROUGH (Input/output) P1 End Feed P2 Bottom Feed For continuous mounting, consider bottom feed When using TBC Mounting, a bare wire S2 wire feed is recommended. See install instructions for details.	BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" BRL only available with T01WD BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" BRL only available with T01WD BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)								
11	WIRE TYPE	12	MOUNTING	13	FINISH	14	LENGTH (IN)	15	EXACT/OPTIMAL		
	CL2 Class 2 CL2P Plenum Rated N/A For Barrel CL2P only available with bare wire leads (BW)	HSS Hidden Stainless Steel Clip TBC-01 9/16" Flat or Tegular TB-Grid TBC-02 15/16" Flat or Tegular TB-Grid	ST Satin BK Black CU Custom Custom finishes require a longer lead time, consult factory	ST Satin BK Black CU Custom Custom finishes require a longer lead time, consult factory	Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	O Optimal Illumination E 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.					

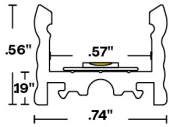
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



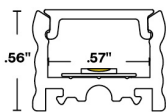
ESSENTIALS TALO-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

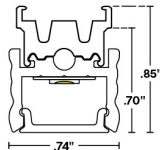
1 PRODUCT - DIMENSIONS



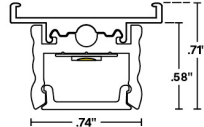
Profile



Profile with flat lens



Profile with TBC-01



Profile with TBC-02

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with TO1WD-6.0-30-DRY-STD

	3000K	
	LM/FT	CRI
CL	391	97
FR	380	97
PR	352	97
DF	320	97

[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

		WD 6.0 W/FT		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		QTL power supply other than DALI, DMX	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	115°F	-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	110°F	-4°F	140°F	-4°F	130°F	-4°F	135°F	-4°F	115°F

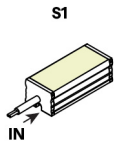


ESSENTIALS TALO-FLAT (01) WARM DIM APPLICATIONS

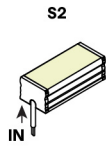
24VDC Linear Fixtures - Surface

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

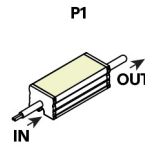


End Feed

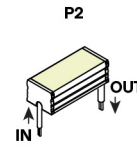


Bottom Feed

PASS THROUGH (Input/Output)

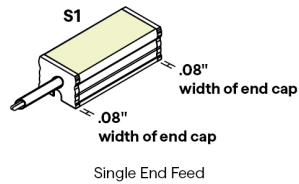


End Feed

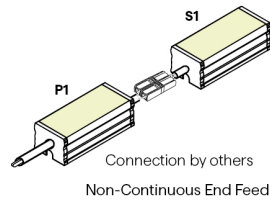


Bottom Feed

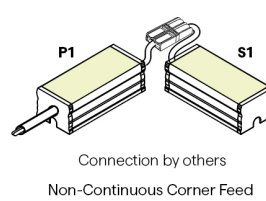
CONFIGURATION OPTIONS



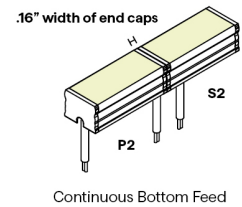
Single End Feed



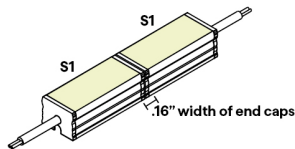
Connection by others
Non-Continuous End Feed



Connection by others
Non-Continuous Corner Feed



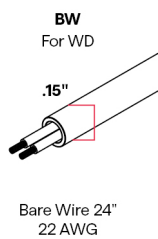
Continuous Bottom Feed



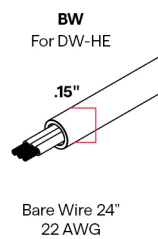
Continuous End to End Feed

8 / 9 CONNECTOR/WIRE - IN/OUT

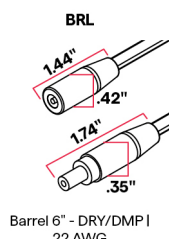
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



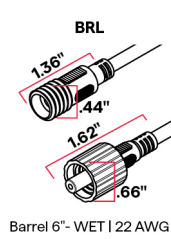
Bare Wire 24"
22 AWG



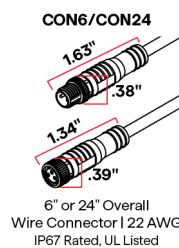
Bare Wire 24"
22 AWG



Barrel 6" - DRY/DMP |
22 AWG

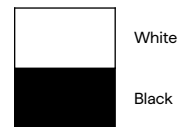


Barrel 6" - WET | 22 AWG



6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

10 WIRE COLOR





ESSENTIALS TALO-FLAT (01) WARM DIM 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

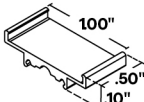
Use on 9/16" Flat or Tegular Drop Ceiling

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

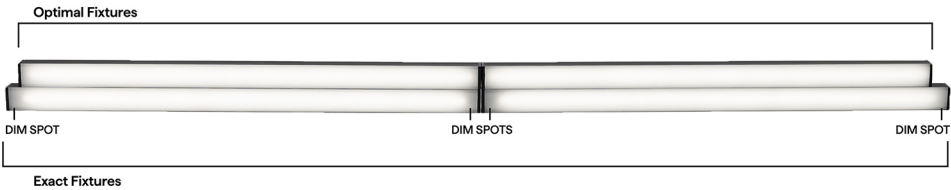
Custom finishes require a longer lead time, consult factory

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.



WD 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".



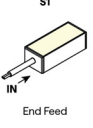
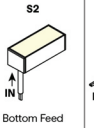
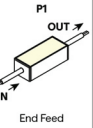
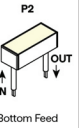
ESSENTIALS TALO-FLAT (01) WARM DIM APPLICATIONS

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"		10.41"		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"

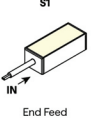
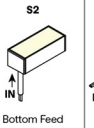
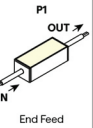
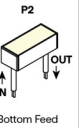
WD WET LENGTHS BY INCH

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"		10.61"		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) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

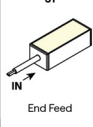
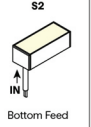
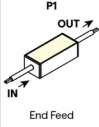
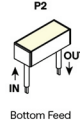
DW-HE DRY, DMP LENGTHS BY INCH

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".

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"

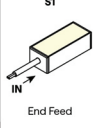
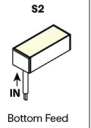
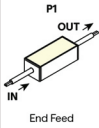
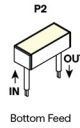
DW-HE WET LENGTHS BY INCH

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) WARM DIM 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 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 QOM-eLED+PS-DALI-DT8 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		


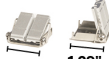




DIMMING PROTOCOL	INDOOR		OUTDOOR	
	DW-HE Warm Dim Applications	WD	DW-HE Warm Dim Applications	WD
Phase	QZ-DW	QT-CAB-QZ-PH/0-10V QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DW QZ-DW	Q-SET-QZ-PH/0-10V QZ-PH/0-10V
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN 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
Lutron Athena	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		
ECO System		QTM-eLED(E)		
DMX If using DW LED, wattage must be doubled		QZ-DMX		QZ-DMX
DALI-2: DT6 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
DALI-2: DT8 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	
SCENE App Dimmed	Non-Dim Power Supply with WD App Dongle	Non-Dim Power Supply with SW App Dongle		



ESSENTIALS TALO-FLAT (01) WARM DIM APPLICATIONS

24VDC Linear Fixtures - Surface

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	HINGE - HMB-L	HINGE - HMB-XL	Q-PIVOT	Q-ANGLE	VHB
 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	Double sided mounting tape