

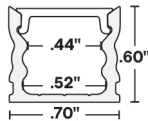
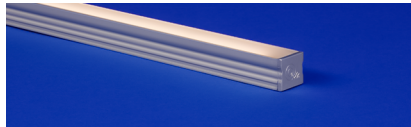


ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD

24VDC Linear Fixtures - Surface & Recessed



Declare.



- Surface mount linear fixture
- Choose from diffused, polar, frosted, clear lens options for varying diode visibility and beam cutoffs
- Offered with an optional mounting tray to achieve 70° beam angle
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- 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

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
TQ1SD														

Sample Part Number: **TQ1SD-3.0-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

1 PRODUCT TQ1SD See following pages for compatible power supplies.	2 WATTS/FT 2.0 2.0W/ft 4.0 4.0W/ft 6.0 6.0W/ft	3 CCT 24 2400K 27 2700K 30 3000K 35 3500K 40 4000K	4 RATED DRY IP20	5 EFFICIENCY STD Standard WO White Optics WhiteOptics - Internal coating, greater lumen output	6 LENS DF Diffused PR Polar FR Frosted CL/60 Clear 60° CL/70 Clear 70° For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages. For optional snap-on lower ordering, see External Louver Accessory section on following pages
	2.0 2.0W/ft 4.0 4.0W/ft	24 2400K 27 2700K 30 3000K 35 3500K 40 4000K	WET IP67		
7 WIRE INPUT/OUTPUT S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed S3 Single 3 (Input only) - Left Side Feed S4 Single 4 (Input only) - Right Side Feed For continuous mounting, consider bottom or side feed P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed P3 Pass Through 3 (Input/output) - Left Side Feed P4 Pass Through 4 (Input/output) - Right Side Feed For continuous mounting, consider bottom or side feed		8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" 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" 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 CLS Closed End (No feed) BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 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 WH White BK Black N/A For Barrel wet barrel only available in black	
11 WIRE TYPE CL2 Class 2 CL2P Plenum Rated N/A For Barrel CL2P only available with bare wire leads (BW)	12 MOUNTING SST Stainless Steel M4 Low Profile Magnet MG Magnet	13 FINISH ST Satin BK Black BZ Bronze	14 LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	15 EXACT/OPTIMAL 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.	

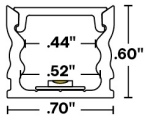
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



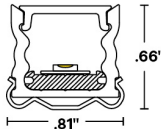
ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD

24VDC Linear Fixtures - Surface & Recessed

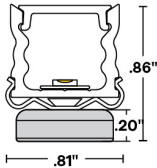
1 PRODUCT - DIMENSIONS



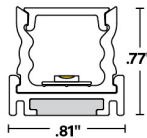
Profile



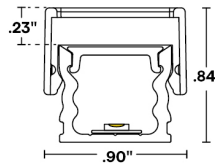
Profile with flat lens, stainless steel mounting clip, and mounting tray



Profile with flat lens and magnet mounting clip



Profile with flat lens and low profile magnet



Profile with plastic louver

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs, L70 = 50000 for HE+]
Tested with TQ1SW-**-30-DRY-STD

	1.5HE W/FT		3.0HE W/FT		3.0HE+ 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
60	156	98	286	98	413	92	542	98	763	92	815	98
70	158	98	290	98	418	92	549	98	773	92	825	98
FR	153	98	281	98	405	92	532	98	749	92	800	98
PR	138	98	252	98	364	92	478	98	673	92	719	98
DF	124	98	228	98	329	92	432	98	608	92	649	98

[Calculated L70 = 70000 hrs, L70 = 50000 for HE+]
Tested with TQ1SW-**-30-DRY-WO

	1.5HE W/FT		3.0HE W/FT		3.0HE+ 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
60	171	98	314	98	453	92	596	98	838	92	895	98
70	179	98	328	98	473	92	621	98	874	92	934	98
FR	168	98	308	98	444	92	584	98	821	92	877	98
PR	152	98	279	98	402	92	528	98	743	92	793	98
DF	135	98	247	98	357	92	469	98	660	92	705	98

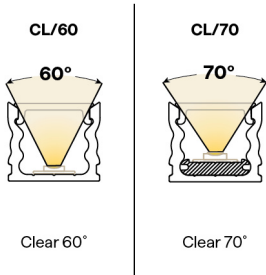
6 DIODE VISIBILITY



- 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.



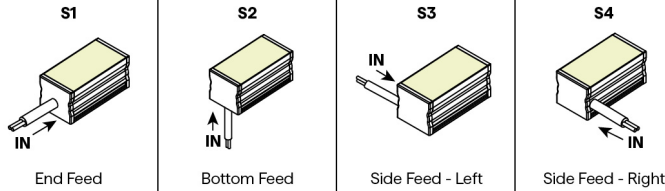


ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD

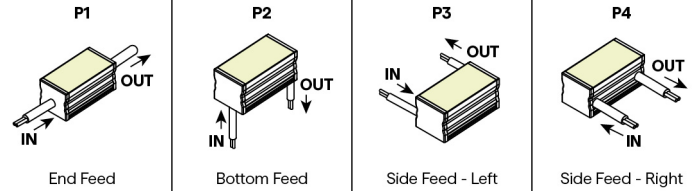
24VDC Linear Fixtures - Surface & Recessed

7 WIRE INPUT/OUTPUT

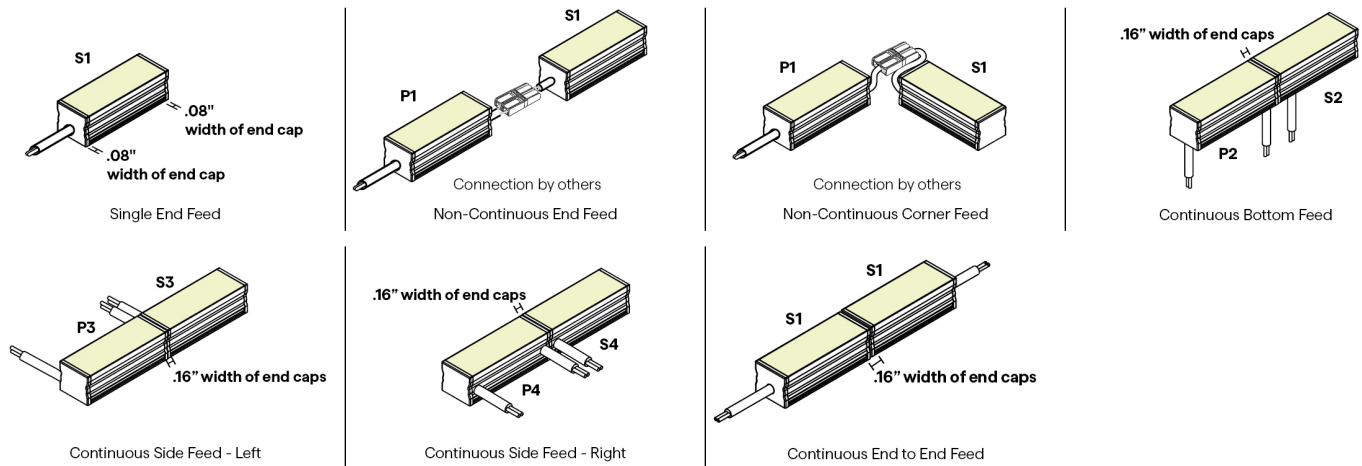
SINGLE (Input only)



PASS THROUGH (Input/Output)

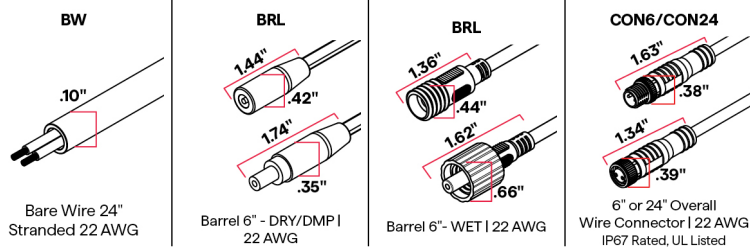


CONFIGURATION OPTIONS

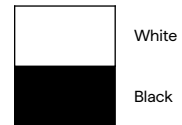


8 / 9 CONNECTOR/WIRE - IN/OUT

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



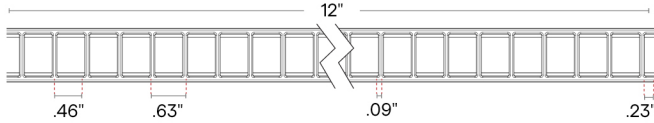


ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD

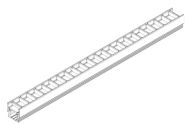
24VDC Linear Fixtures - Surface & Recessed

EXTERNAL LOUVER ACCESSORY

PLASTIC

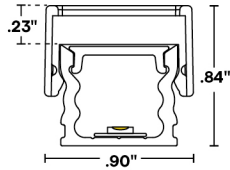


L1-XX



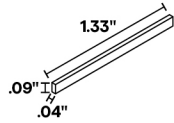
Lumen Multiplier
WH BK

0.71 0.53



Profile with plastic louver

To order separately use
TORQ-L1-FLAT-WH or
TORQ-L1-FLAT-BK

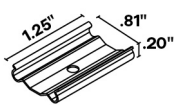


Louver gasket
(2 per louver)

To order separately use
ESS-L1-GASKET

12 MOUNTING

SST



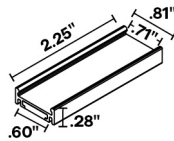
Stainless Steel Clip

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

M4

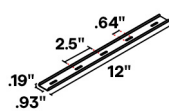


Low Profile Magnet

One M4 provided per foot.

To order separately use
MG-04

MMA-04



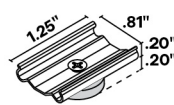
Magnet Mount
Accessory for M4

Sold separately, to order use
MMA-04

Each bracket comes with 2 #6
x 5/8" Flat Head SS

Required when mounting to a
non-magnetic surface

MG

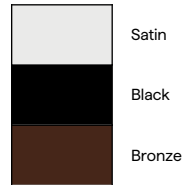


Magnet Clip

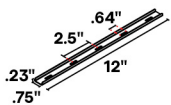
One MG provided per foot

To order separately use MG-01

13 FINISH



MMA-01



Magnet Mount
Accessory of MG-01

Sold separately, to order use
MMA-01

Each bracket comes with 2 #6
x 5/8" Flat Head SS

Required when mounting to a
non-magnetic surface



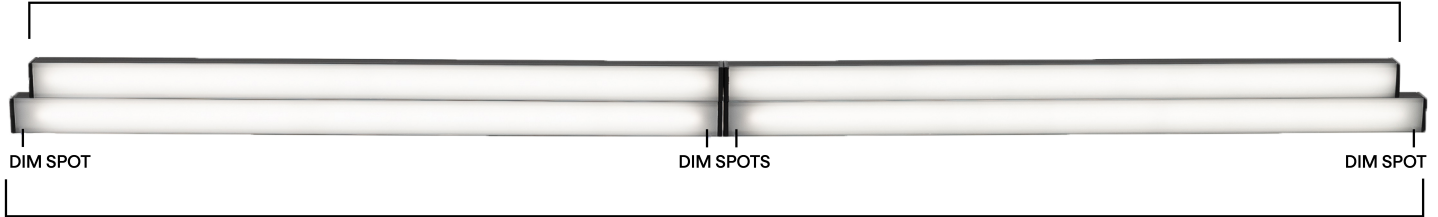
ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD

24VDC Linear Fixtures - Surface & Recessed

15 EXACT/OPTIMAL FIXTURE LENGTH

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.

Optimal Fixtures



Exact Fixtures

SW-HE, SW-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		S3 & S4		P3 & P4	
	S1 End Feed IN	S2 Bottom Feed IN	P1 End Feed IN	P2 Bottom Feed IN	S3 Side Feed - Left IN	S4 Side Feed - Right IN	P3 Side Feed - Left IN	P4 Side Feed - Right IN
12"								
13"								
14"								
15"								
16"								
17"								
18"								
19"								
20"								
21"								
22"								
23"								
24"								
36"								
48"								
60"								
72"								
84"								
96"								



ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD

24VDC Linear Fixtures - Surface & 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
	SW24/5.0, SW-HE, SW-HE+	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH 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 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
1%	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	


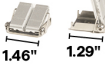









ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD


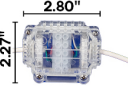





24VDC Linear Fixtures - Surface & Recessed

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 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	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
SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

<div>HINGE - HMB-M</div> <div></div> <div>Adjustable mounting bracket - Medium</div>	<div>HINGE - HMB-L</div> <div></div> <div>Adjustable mounting bracket - Large</div>	<div>HINGE - HMB-XL</div> <div></div> <div>Adjustable mounting bracket - XLarge</div>	<div>Q-PIVOT</div> <div></div> <div>Small mounting accessory</div>	<div>Q-ANGLE</div> <div></div> <div>Adjustable mounting accessory</div>	<div>NJ-MEDIUM</div> <div></div> <div>J Mounting Bracket</div>	<div>NJ-LARGE</div> <div></div> <div>J Mounting Bracket</div>	<div>NU-LARGE</div> <div></div> <div>U Mounting Bracket</div>	<div>SD-J-LARGE</div> <div></div> <div>J Mounting Bracket</div>
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COMPATIBLE WIRING ACCESSORIES

<div>Q-mini-J</div> <div></div> <div>UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)</div>	<div>Q-mini-J5</div> <div></div> <div>UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)</div>	<div>BARREL-EXT</div> <div></div> <div>8ft barrel cable extender DRY ONLY</div>	<div>BARREL FOUR-FER</div> <div></div> <div>Splits lead from one to four LED Barrel connector fixtures, DRY/DMP</div>	<div>CON120-EXT</div> <div></div> <div>10ft Con cable extender DRY/DMP/WET</div>	<div>CON FOUR-FER</div> <div></div> <div>Splits lead from one to four LED Con connectors DRY/DMP/WET</div>	<div>CON M - BARREL F</div> <div></div> <div>Male con to barrel cable adaptor DRY/DMP</div>
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ESSENTIALS TORQ-FLAT (01) STATIC WHITE STANDARD

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth
Connectivity