



# ESSENTIALS TORQ-FLAT (01) SW-IA

24VDC Linear Fixtures - Surface & Recessed

white optics

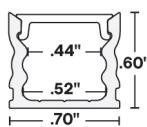


RoHS  
COMPLIANT

5 YEAR  
WARRANTY

Declare

Red List  
Approved



- Surface mount linear fixture
- Choose from diffused, polar, frosted, clear 60°, or clear 70° lens options for varying diode visibility and beam angles
- Offered with an optional mounting tray
- Features all wire feed options
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish
- Utilize DMX and SPI protocols to control nominal 1" segments of specifiable white LEDs
- Optional plastic louver accessory available in white or black for added glare control

## INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1 PRODUCT	2 WATTS/ FT	3 CCT	4 RATED	5 EFFICIENCY	6 LENS
TQ1IA	5.0		DRY		

## ADDITIONAL INFORMATION REQUIRED TO ORDER

7 WIRE INPUT/ OUTPUT	8 CONNECTOR/ WIRE IN	9 CONNECTOR/ WIRE OUT	10 WIRE COLOR	11 MOUNTING	12 FINISH	13 LENGTH (IN)	14 EXACT/ OPTIMAL

Sample Part Number: TQ1IA-5.0-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

1 PRODUCT	2 WATTS/FT	3 CCT	4 RATED	5 EFFICIENCY	6 LENS		
TQ1IA See following pages for compatible power supplies.	5.0 5.0W/ft	27 2700K 30 3000K 35 3500K 40 4000K	DRY IP20	STD Standard White Optics WO WhiteOptics - Internal coating, greater lumen output	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 louver ordering, see External Louver Accessory section on following pages		
7 WIRE INPUT/OUTPUT	8 CONNECTOR/WIRE IN	9 CONNECTOR/WIRE OUT	10 WIRE COLOR				
<b>SINGLE (Input only)</b> S1 End Feed S2 Bottom Feed S3 Left Side Feed S4 Right Side Feed For continuous mounting, consider bottom or side feed	<b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24" BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>CLS</b> Closed End (No feed)	<b>WH</b> White <b>BK</b> Black				
<b>PASS THROUGH (Input/output)</b> P1 End Feed P2 Bottom Feed P3 Left Side Feed P4 Right Side Feed For continuous mounting, consider bottom or side feed	<b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24" BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	<b>BW</b> Bare Wire (Standard 24") <b>CON6</b> Connector 6" <b>CON24</b> Connector 24" 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			
<b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated CL2P only available with bare wire leads (BW)	<b>SST</b> Stainless Steel <b>M4</b> Low Profile Magnet <b>MG</b> Magnet	<b>ST</b> Satin <b>BK</b> Black <b>BZ</b> Bronze <b>CU</b> Custom	Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>O</b> Optimal Illumination <b>E</b> 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.		

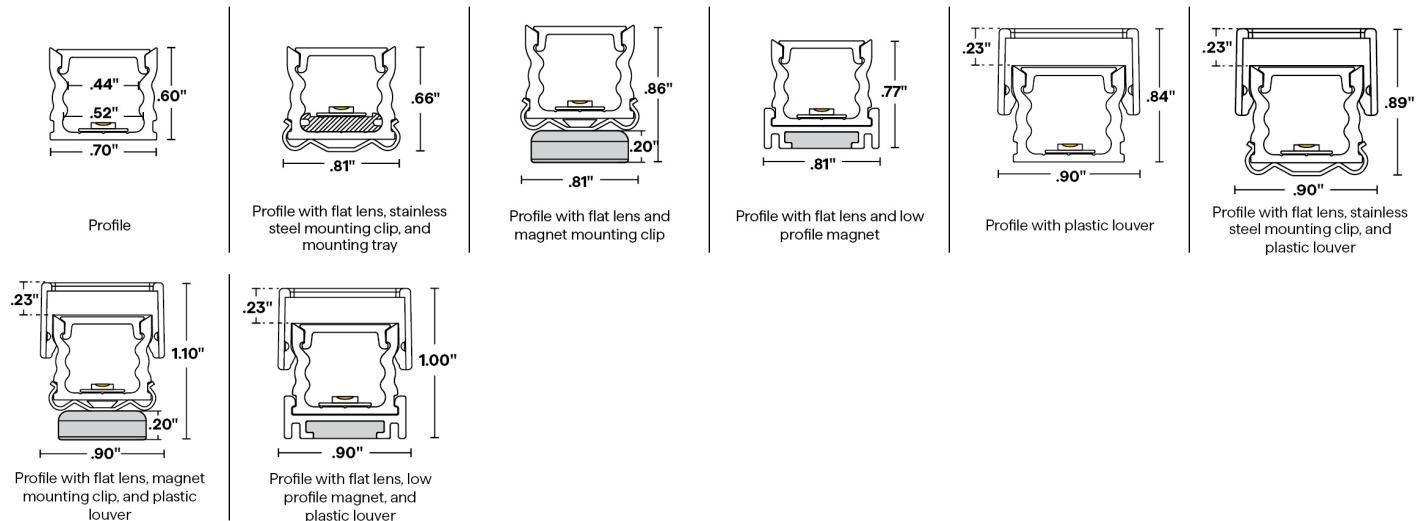
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



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## 1 PRODUCT - DIMENSIONS



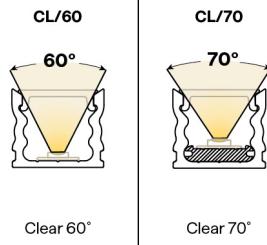
## 6 DIODE VISIBILITY



- DF - Diffused lens
- PR - Polar lens
- FR - Frosted lens
- CL - Clear lens

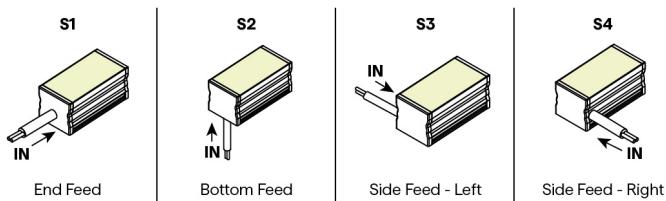
## PHOTOMETRIC PERFORMANCE

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

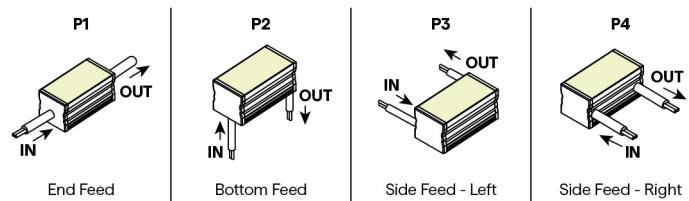


## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



PASS THROUGH (Input/Output)

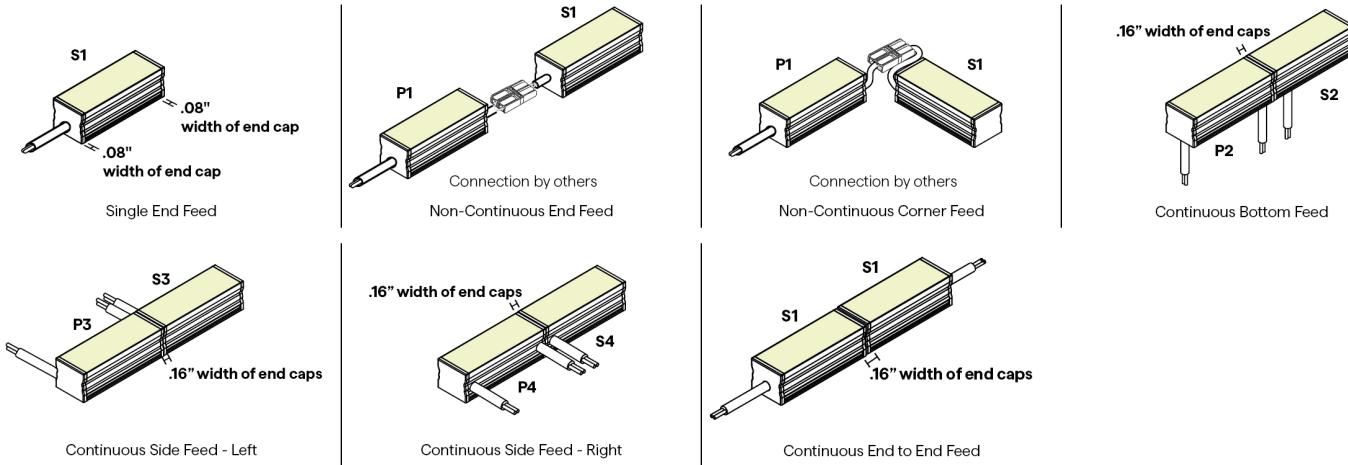




# ESSENTIALS TORQ-FLAT (01) SW-IA

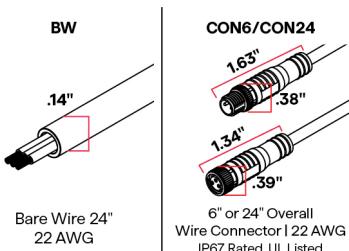
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## CONFIGURATION OPTIONS



## 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

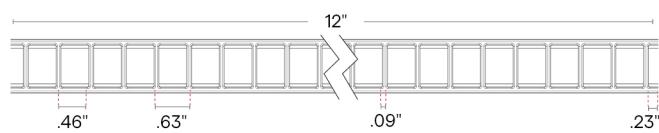


## 10 WIRE COLOR

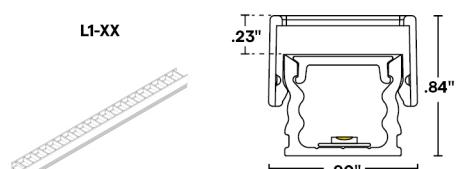


## EXTERNAL LOUVER ACCESSORY

### PLASTIC



### L1-XX



Lumen Multiplier

WH BK



Profile with plastic louver

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



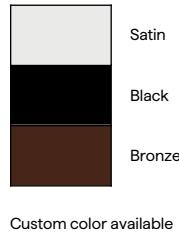
## ESSENTIALS TORQ-FLAT (01) SW-IA

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### 12 MOUNTING

SST	M4	MMA-04	MG
Satin Steel Clip	Low Profile Magnet	Magnet Mount Accessory for M4	Magnet 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	One M4 provided per foot. To order separately use MG-04	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	One MG provided per foot To order separately use MG-01

### 13 FINISH



Custom color available

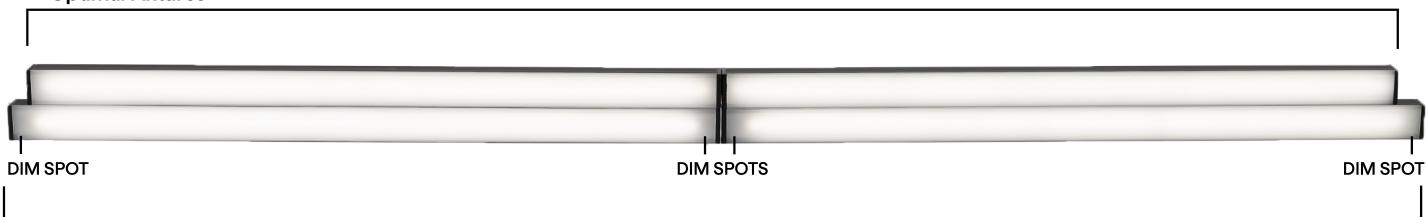
### MMA-01

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

### 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



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## 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  $\pm 0 - 1/8"$ . 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	S3 & S4	P3 & P4
12"	10.46"	10.71"	10.46"	10.56"
13"	10.46"	10.71"	10.46"	10.56"
14"	13.81"	10.71"	13.81"	13.91"
15"	13.81"	14.06"	13.81"	13.91"
16"	13.81"	14.06"	13.81"	13.91"
17"	13.81"	14.06"	13.81"	13.91"
18"	17.16"	17.41"	17.16"	17.26"
19"	17.16"	17.41"	17.16"	17.26"
20"	17.16"	17.41"	17.16"	17.26"
21"	20.51"	20.76"	20.51"	20.61"
22"	20.51"	20.76"	20.51"	20.61"
23"	20.51"	20.76"	20.51"	20.61"
24"	23.86"	20.76"	23.86"	23.96"
36"	33.91"	34.16"	33.91"	34.01"
48"	47.31"	47.56"	47.31"	47.41"
60"	57.36"	57.61"	57.36"	57.46"
72"	70.76"	71.01"	70.76"	70.86"
84"	80.81"	81.06"	80.81	80.91"
96"	94.21"	94.46"	94.21"	94.31"

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has  $\pm 0 - 5\%$  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

<b>HINGE - HMB-M</b>	<b>HINGE - HMB-L</b>	<b>HINGE - HMB-XL</b>	<b>Q-PIVOT</b>	<b>Q-ANGLE</b>	<b>VHB</b>	<b>NJ-MEDIUM</b>	<b>NJ-LARGE</b>	<b>NU-LARGE</b>	<b>SD-J-LARGE</b>
<b>Adjustable mounting bracket - Medium</b>	<b>Adjustable mounting bracket - Large</b>	<b>Adjustable mounting bracket - XLarge</b>	<b>Small mounting accessory</b>	<b>Adjustable mounting accessory</b>	<b>Double sided mounting tape</b>	<b>J Mounting Bracket</b>	<b>J Mounting Bracket</b>	<b>U Mounting Bracket</b>	<b>J Mounting Bracket</b>



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### COMPATIBLE WIRING ACCESSORIES

Q-mini-J 2" width="2" height="1.25" data-bbox="65 165 125 215"/> UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	Q-mini-J5 2.80" width="2.27" height="2.27" data-bbox="185 165 245 215"/> 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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### COMPATIBLE CONTROL ACCESSORIES

#### SCENE APP DONGLE



Wi-Fi or Bluetooth Connectivity