



# ESSENTIALS TORQ-FLAT (01) RGB

## 24VDC Linear Fixtures - Surface & Recessed

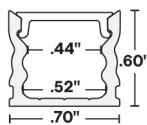
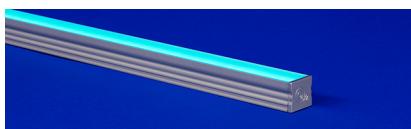
white optics



RoHS COMPLIANT

5 YEAR WARRANTY

Declare



- 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
- Red, Green, and Blue LED allows for color changing applications
- Features 7 diodes per 2" cut point
- Optional plastic louver accessory available in white or black for added glare control

## INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5	6
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS
TQ1RGB	6.0	RGB			

## 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: TQ1RGB-6.0-RGB-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

<b>1</b> PRODUCT TQ1RGB See following pages for compatible power supplies.	<b>2</b> WATTS/FT 6.0 6.0W/ft	<b>3</b> CCT RGB	<b>4</b> RATED DRY IP20 DMP IP54	<b>5</b> EFFICIENCY STD Standard WO White Optics WhiteOptics - Internal coating, greater lumen output	<b>6</b> 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 louver ordering, see External Louver Accessory section on following pages
<b>7</b> WIRE INPUT/OUTPUT SINGLE (Input only) S1 End Feed S2 Bottom Feed S3 Left Side Feed S4 Right Side Feed For continuous mounting, consider bottom or side feed	<b>8</b> CONNECTOR/WIRE IN BW Bare Wire (Standard 24") 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)	<b>9</b> CONNECTOR/WIRE OUT CLS Closed End (No feed)	<b>10</b> WIRE COLOR WH White BK Black		
<b>11</b> WIRE TYPE CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)	<b>12</b> MOUNTING SST Stainless Steel M4 Low Profile Magnet MG Magnet	<b>13</b> FINISH ST Satin BK Black BZ Bronze CU Custom	<b>14</b> LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>15</b> 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.	

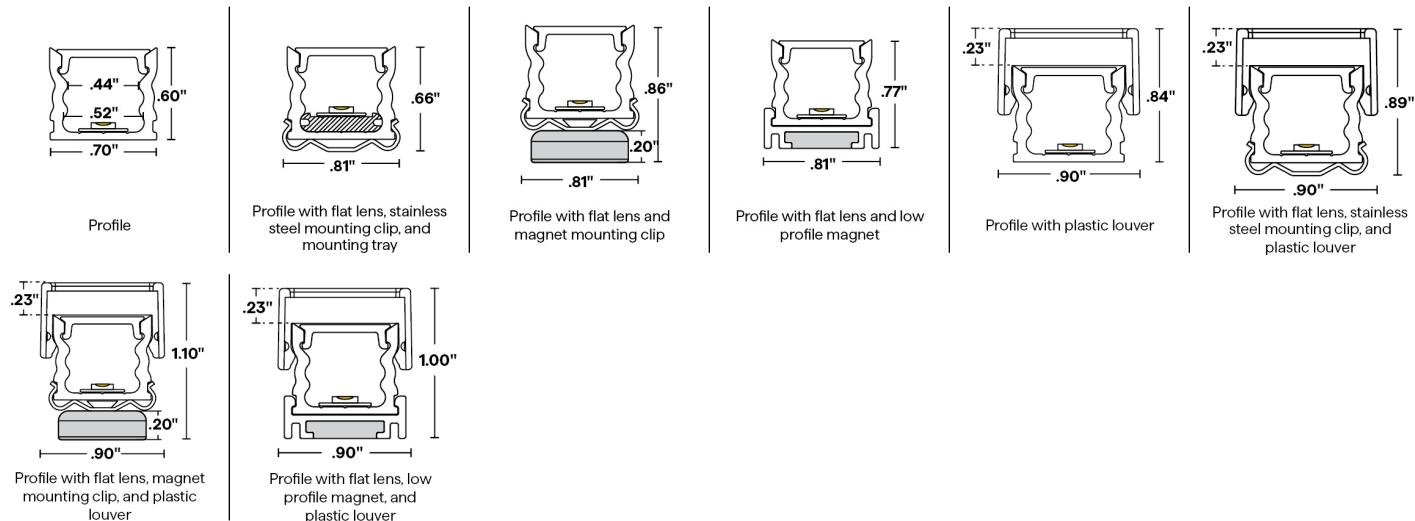
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



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## 1 PRODUCT - DIMENSIONS



## 2 DELIVERED LUMENS

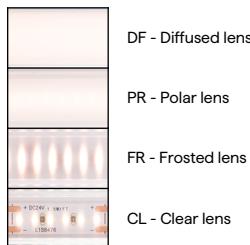
[Calculated L70 = 55000 hrs]  
Tested with TQ1RGB-6.0-RGB-DRY-STD

	Red		Green		Blue		All
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	
60	70	633	142	523	40	469	228
70	71	633	144	523	41	469	231
FR	69	633	139	523	39	469	224
PR	62	633	125	523	35	469	201
DF	56	633	113	523	32	469	182

[Calculated L70 = 55000 hrs]  
Tested with TQ1RGB-6.0-RGB-DRY-WO

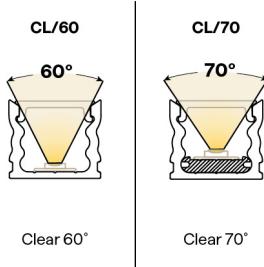
	Red		Green		Blue		All
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	
60	77	633	156	523	44	469	251
70	81	633	163	523	46	469	261
FR	76	633	153	523	43	469	246
PR	68	633	138	523	39	469	222
DF	61	633	123	523	35	469	197

## 6 DIODE VISIBILITY



## PHOTOMETRIC PERFORMANCE

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





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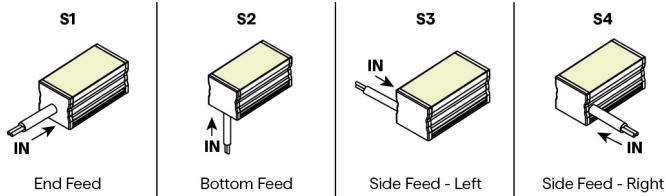
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## TEMPERATURE RATINGS

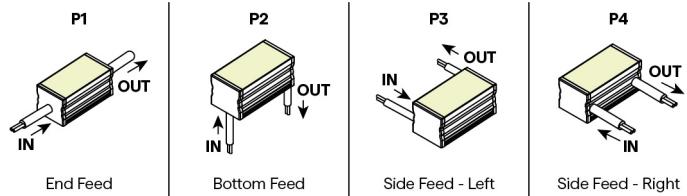
		6.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-13°F	110°F
DMP	Ambient Operating Temp - Surface	-13°F	105°F

## 7 WIRE INPUT/OUTPUT

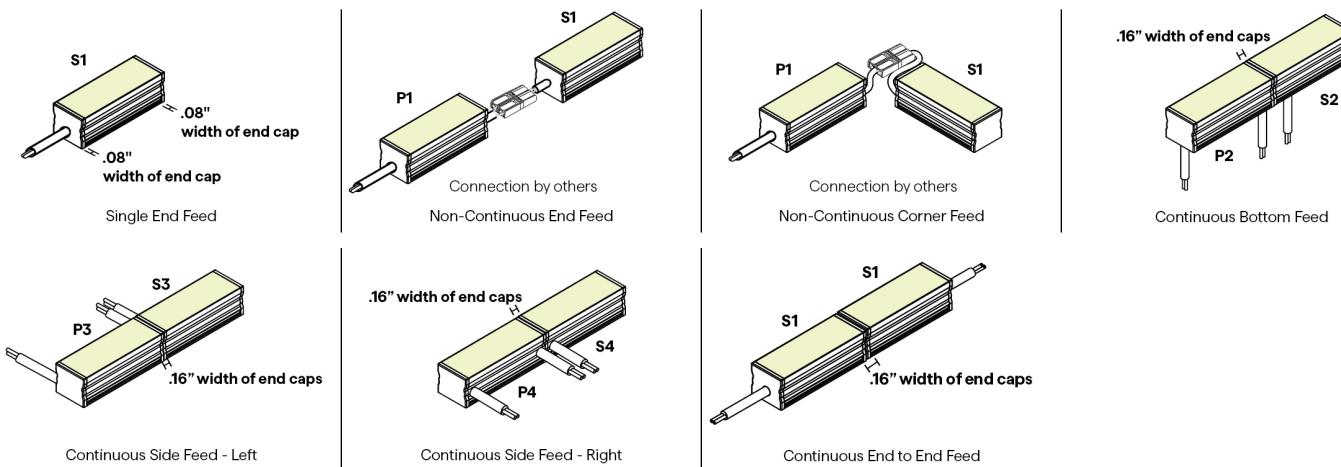
SINGLE (Input only)



PASS THROUGH (Input/Output)

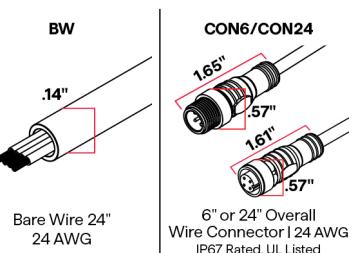


## CONFIGURATION OPTIONS



## 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



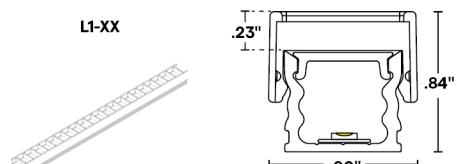
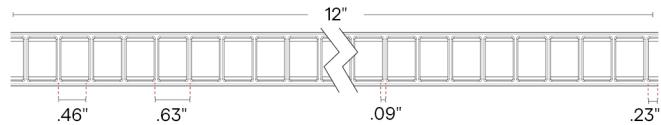


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## EXTERNAL LOUVER ACCESSORY

### PLASTIC



Lumen Multiplier  
WH BK

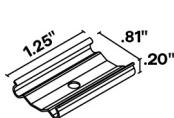
Profile with plastic louver

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

0.71 0.53

## 12 MOUNTING

### SST



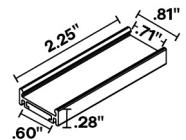
Stainless Steel Clip

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

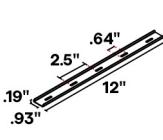


Low Profile Magnet

One M4 provided per foot.

To order separately use  
MG-04

### MMA-04



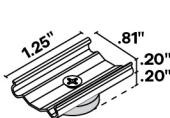
Magnet Mount  
Accessory for M4

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

### MMA-01



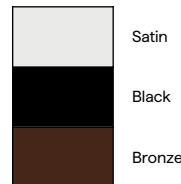
Magnet Mount  
Accessory of MG-01

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

## 13 FINISH



Satin

Black

Bronze

Custom color available



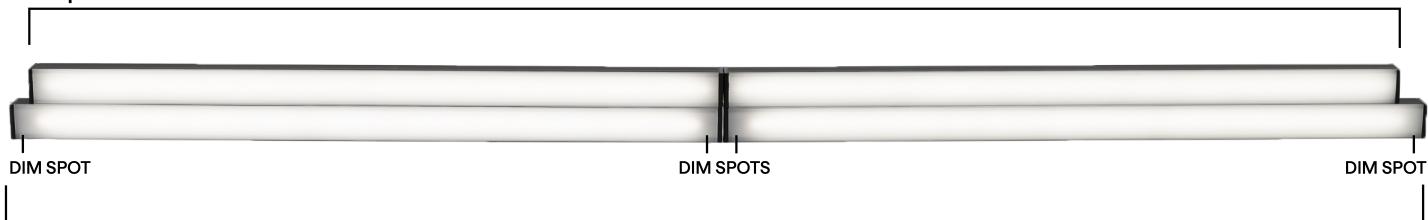
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## 15 EXACT/OPTIMAL FIXTURE LENGTH

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

## RGB 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  $\pm 0 - 1/8"$ . 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	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P3 Side Feed - Left	P4 Side Feed - Right
12"	10.51"		10.86"		10.41"		10.51"	
13"	12.51"		12.86"		12.41"		12.51"	
14"	12.51"		12.86"		12.41"		12.51"	
15"	14.51"		14.86"		14.41"		14.51"	
16"	14.51"		14.86"		14.41"		14.51"	
17"	16.51"		16.86"		16.41"		16.51"	
18"	16.51"		16.86"		16.41"		16.51"	
19"	18.51"		18.86"		18.41"		18.51"	
20"	18.51"		18.86"		18.41"		18.51"	
21"	20.51"		20.86"		20.41"		20.51"	
22"	20.51"		20.86"		20.41"		20.51"	
23"	22.51"		22.86"		22.41"		22.51"	
24"	22.51"		22.86"		22.41"		22.51"	
36"	34.51"		34.86"		34.41"		34.51"	
48"	46.51"		46.86"		46.41"		46.51"	
60"	58.51"		58.86"		58.41"		58.51"	
72"	70.51"		70.86"		70.41"		70.51"	
84"	82.51"		82.86"		82.41"		82.51"	
96"	94.51"		94.86"		94.41"		94.51"	

## COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR	
	RGB	
0.1%		QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX
1%		QZ-DALI-DT8
10%		Non-Dim Power Supply with RGB App Dongle

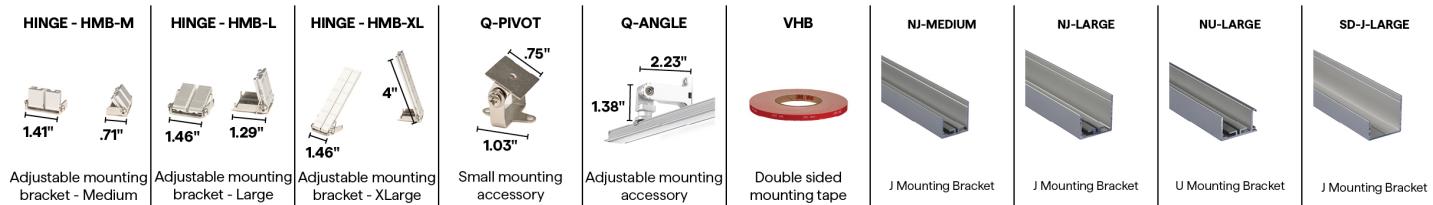


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DIMMING PROTOCOL	INDOOR
	RGB
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGB App Dongle

## COMPATIBLE MOUNTING ACCESSORIES



## COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

## COMPATIBLE CONTROL ACCESSORIES

