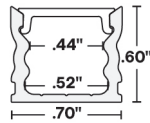
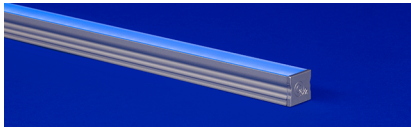




# ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

## 24VDC Linear Fixtures - Surface & Recessed



- 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 paired with a specifiable white LED allow for color changing applications
- 21 diodes per 2" outpoint allowing for minimal diode visibility

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PRODUCT	WATTS/FT	CCT	RATED	EFFICIENCY	LENS	EXTERNAL LOUVER	WIRE INPUT/ OUTPUT	CONNECTOR / WIRE IN	CONNECTOR / WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL

Sample Part Number: **TQ1RGBW-4.0HE-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

<div><div>1</div><div>PRODUCT</div></div> <div><div>TQ1RGBW</div><div>See following pages for compatible power supplies.</div></div>	<div><div>2</div><div>WATTS/FT</div></div> <div><div>4.0HE</div><div>4.0W/ft HE</div></div>	<div><div>3</div><div>CCT</div></div> <div><div>27</div><div>RGBW-2700K</div><div>30</div><div>RGBW-3000K</div><div>35</div><div>RGBW-3500K</div><div>40</div><div>RGBW-4000K</div></div>	<div><div>4</div><div>RATED</div></div> <div><div>DRY</div><div>IP20</div><div>DMP</div><div>IP54</div></div>	<div><div>5</div><div>EFFICIENCY</div></div> <div><div>STD</div><div>Standard</div><div>WO</div><div>White Optics</div><div>WhiteOptics - Internal coating, greater lumen output</div></div>	<div><div>6</div><div>LENS</div></div> <div><div>DF</div><div>Diffused</div><div>PR</div><div>Polar</div><div>FR</div><div>Frosted</div><div>CL/60</div><div>Clear 60°</div><div>CL/70</div><div>Clear 70°</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>	<div><div>7</div><div>EXTERNAL LOUVER</div></div> <div><div>L1-WH</div><div>White Plastic</div><div>L1-BK</div><div>Black Plastic</div><div>N/A</div><div>No Louver</div><div>Louvers are shipped separately and require field assembly</div></div>
<div><div>TQ1RGBW</div></div>	<div><div>8.0HE</div><div>8.0W/ft HE</div></div>	<div><div>27</div><div>RGBW-2700K</div><div>30</div><div>RGBW-3000K</div><div>35</div><div>RGBW-3500K</div><div>40</div><div>RGBW-4000K</div></div>	<div><div>DRY</div><div>IP20</div></div>			

<div><div>8</div><div>WIRE INPUT/OUTPUT</div></div> <div><div>S1</div><div>Single 1 (Input only) - End Feed</div><div>S2</div><div>Single 2 (Input only) - Bottom Feed</div><div>S3</div><div>Single 3 (Input only) - Left Side Feed</div><div>S4</div><div>Single 4 (Input only) - Right Side Feed</div><div>For continuous mounting, consider bottom or side feed</div></div>	<div><div>9</div><div>CONNECTOR/WIRE IN</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div><div>CON6</div><div>Connector 6"</div><div>CON24</div><div>Connector 24"</div><div>Connector/Wire In not needed to specify product. Typical selection is BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div><div>CON6</div><div>Connector 6"</div><div>CON24</div><div>Connector 24"</div><div>Connector/Wire In not needed to specify product. Typical selection is BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div>	<div><div>10</div><div>CONNECTOR/WIRE OUT</div></div> <div><div>CLS</div><div>Closed End (No feed)</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div><div>CON6</div><div>Connector 6"</div><div>CON24</div><div>Connector 24"</div><div>Connector/Wire Out not needed to specify product. Typical selection is CLS or BW. BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div>	<div><div>11</div><div>WIRE COLOR</div></div> <div><div>WH</div><div>White</div><div>BK</div><div>Black</div></div>
<div><div>P1</div><div>Pass Through 1 (Input/output) - End Feed</div><div>P2</div><div>Pass Through 2 (Input/output) - Bottom Feed</div><div>P3</div><div>Pass Through 3 (Input/output) - Left Side Feed</div><div>P4</div><div>Pass Through 4 (Input/output) - Right Side Feed</div><div>For continuous mounting, consider bottom or side feed</div></div>			

<div><div>12</div><div>WIRE TYPE</div></div> <div><div>CL2</div><div>Class 2</div><div>CL2P</div><div>Plenum Rated</div><div>CL2P only available with bare wire leads (BW)</div></div>	<div><div>13</div><div>MOUNTING</div></div> <div><div>SST</div><div>Stainless Steel</div><div>M4</div><div>Low Profile Magnet</div><div>MG</div><div>Magnet</div></div>	<div><div>14</div><div>FINISH</div></div> <div><div>ST</div><div>Satin</div><div>BK</div><div>Black</div><div>BZ</div><div>Bronze</div><div>CU</div><div>Custom</div></div>	<div><div>15</div><div>LENGTH (IN)</div></div> <div><div>Fixture length min 12", max 98.43" not including end caps. Tolerance +0 – 1/8". Consult factory for lengths under 12".</div></div>	<div><div>16</div><div>EXACT/OPTIMAL</div></div> <div><div>O</div><div>Optimal Illumination</div><div>E</div><div>Exact Specified Length</div><div>Exact fixtures are the exact length specified +0 – 1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.</div></div>
--	---	---	---	---

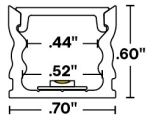
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



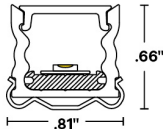
# ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed

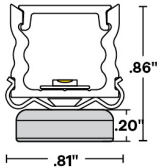
## 1 PRODUCT - DIMENSIONS



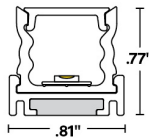
Profile



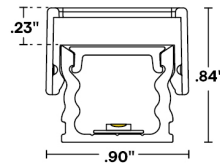
Profile with flat lens, stainless steel mounting clip, and mounting tray



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]  
Tested with TQ1RGBW-4.0HE-30-DRY-STD

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
60	28	629	108	516	23	465	66	97
70	28	629	109	516	23	465	67	97
FR	28	629	106	516	23	465	65	97
PR	25	629	95	516	20	465	58	97
DF	22	629	86	516	18	465	53	97

[Calculated L70 = 70000 hrs]  
Tested with TQ1RGBW-4.0HE-30-DRY-WO

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
60	31	629	118	516	25	465	73	97
70	32	629	123	516	27	465	76	97
FR	30	629	116	516	25	465	71	97
PR	27	629	105	516	23	465	64	97
DF	24	629	93	516	20	465	57	97

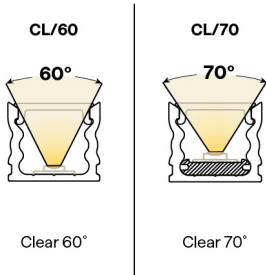
## 6 DIODE VISIBILITY



- 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) RGBW HIGH EFFICACY

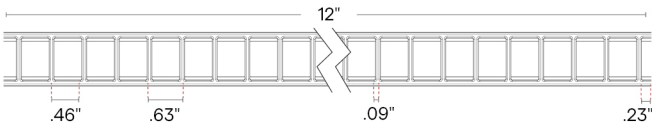
24VDC Linear Fixtures - Surface & Recessed

## TEMPERATURE RATINGS

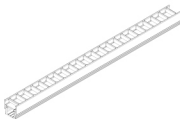
		4.0 HE W/FT		8.0 HE W/FT	
		Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	125°F	-4°F	110°F
DMP	Ambient Operating Temp - Surface	-4°F	120°F	**	**

## 7 EXTERNAL LOUVER

PLASTIC



L1-XX



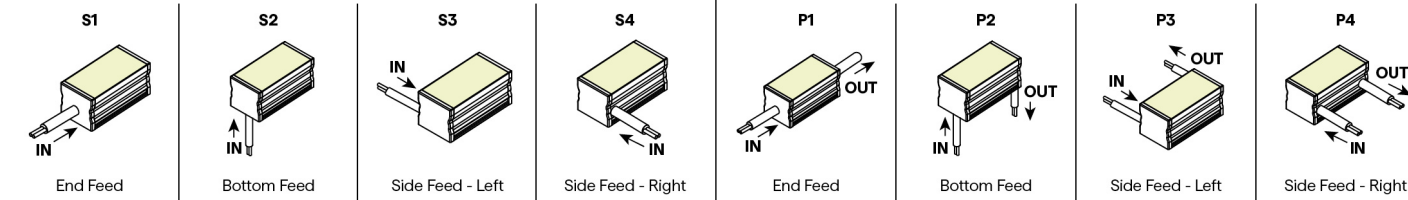
Lumen Multiplier

WH	BK
0.72	0.53

## 8 WIRE INPUT/OUTPUT

SINGLE (Input only)

PASS THROUGH (Input/Output)

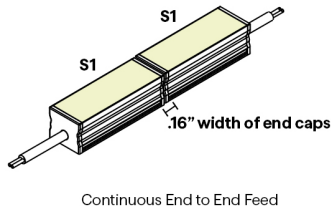
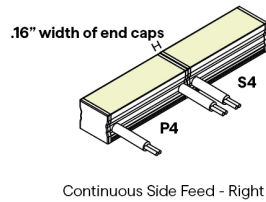
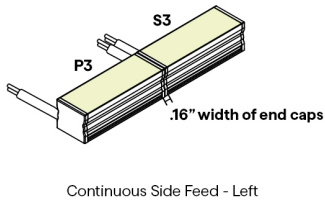
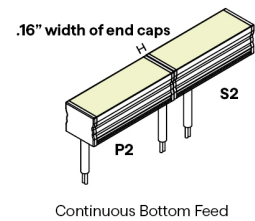
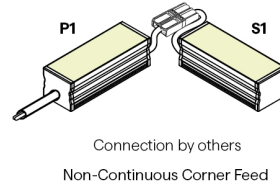
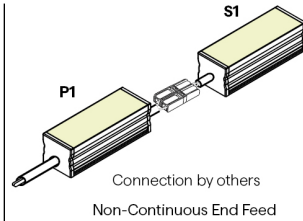
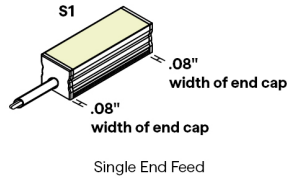




# ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

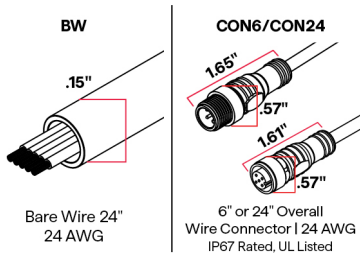
24VDC Linear Fixtures - Surface & Recessed

## CONFIGURATION OPTIONS

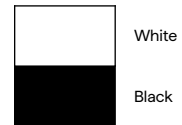


## 9 / 10 CONNECTOR/WIRE - IN/OUT

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



## 11 WIRE COLOR



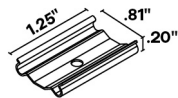


# ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed

## 13 MOUNTING

SST



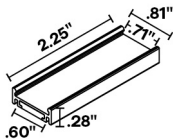
Stainless Steel Clip

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

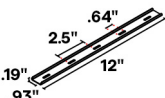


Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

MMA-04



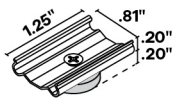
Magnet Mount Accessory for M4

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

## 14 FINISH



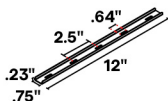
Satin

Black

Bronze

Custom color available

MMA-01



Magnet Mount Accessory of MG-01

Sold separately, to order use MMA-01

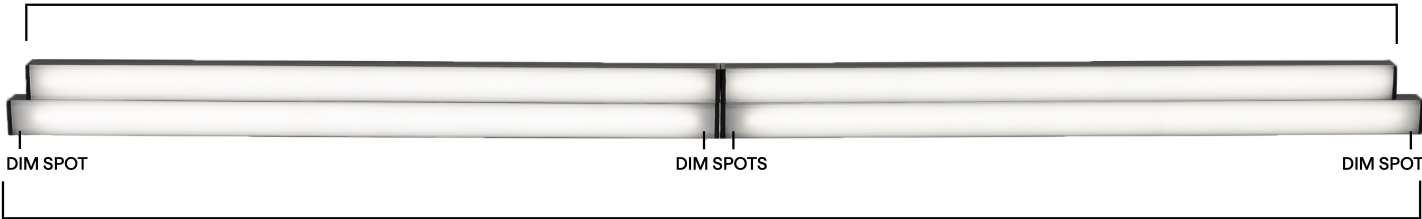
Each bracket comes with 2 #6 x 5/8" Flat Head SS

Required when mounting to a non-magnetic surface

## 16 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



# ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed

## RGBW-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"		10.41"		10.66"		10.26"		10.36"
13"		12.41"		12.66"		12.26"		12.36"
14"		12.41"		12.66"		12.26"		12.36"
15"		14.41"		14.66"		14.26"		14.36"
16"		14.41"		14.66"		14.26"		14.36"
17"		16.41"		16.66"		16.26"		16.36"
18"		16.41"		16.66"		16.26"		16.36"
19"		18.41"		18.66"		18.26"		18.36"
20"		18.41"		18.66"		18.26"		18.36"
21"		20.41"		20.66"		20.26"		20.36"
22"		20.41"		20.66"		20.26"		20.36"
23"		22.41"		22.66"		22.26"		22.36"
24"		22.41"		22.66"		22.26"		22.36"
36"		34.41"		34.66"		34.26"		34.36"
48"		46.41"		46.66"		46.26"		46.36"
60"		58.41"		58.66"		58.26"		58.36"
72"		70.41"		70.66"		70.26"		70.36"
84"		82.41"		82.66"		82.26"		82.36"
96"		94.41"		94.66"		94.26"		94.36"

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

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


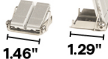








DIMMING PROTOCOL	INDOOR
	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle



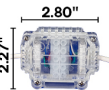

# ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed




## 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>
									
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	Double sided mounting tape	J Mounting Bracket	J Mounting Bracket	U Mounting Bracket	J Mounting Bracket

## COMPATIBLE WIRING ACCESSORIES

<b>Q-mini-J5</b>	<b>CON120-EXT</b>
	
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)	10ft Con cable extender DRY/DMP/WET

## COMPATIBLE CONTROL ACCESSORIES

<b>SCENE APP DONGLE</b>	<b>IQ-DMX-STICK-GA2</b>	<b>IQ-DMX-STICK-DE3</b>
		
Wi-Fi or Bluetooth Connectivity	DMX controller for changing color & dimming	DMX controller for changing color & dimming