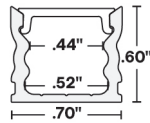
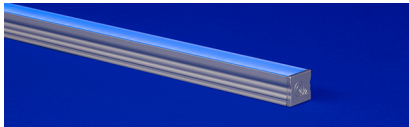




ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed



- Surface mount linear fixture
- Choose from diffused, polar, or frosted 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
- 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

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

<div><div>1</div><div>PRODUCT</div><div>TQ1RGBW</div><div>See following pages for compatible power supplies.</div><div>TQ1RGBW</div></div>	<div><div>2</div><div>WATTS/FT</div><div>4.0HE 4.0W/ft HE</div><div>8.0HE 8.0W/ft HE</div></div>	<div><div>3</div><div>CCT</div><div>27 RGBW-2700K</div><div>30 RGBW-3000K</div><div>35 RGBW-3500K</div><div>40 RGBW-4000K</div><div>27 RGBW-2700K</div><div>30 RGBW-3000K</div><div>35 RGBW-3500K</div><div>40 RGBW-4000K</div></div>	<div><div>4</div><div>RATED</div><div>DRY IP20</div><div>DMP IP54</div><div>DRY IP20</div></div>	<div><div>5</div><div>EFFICIENCY</div><div>STD Standard</div><div>WO White Optics</div><div>WhiteOptics - Internal coating, greater lumen output</div></div>	<div><div>6</div><div>LENS</div><div>DF Diffused</div><div>PR Polar</div><div>FR Frosted</div><div>Clear Lens is not available for RGBW-HE. 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</div></div>
<div><div>7</div><div>WIRE INPUT/OUTPUT</div><div>SINGLE (Input only)</div><div>S1 End Feed</div><div>S2 Bottom Feed</div><div>S3 Left Side Feed</div><div>S4 Right Side Feed</div><div>PASS THROUGH (Input/output)</div><div>P1 End Feed</div><div>P2 Bottom Feed</div><div>P3 Left Side Feed</div><div>P4 Right Side Feed</div></div>	<div><div>8</div><div>CONNECTOR/WIRE IN</div><div>BW Bare Wire (Standard 24")</div><div>CON6 Connector 6"</div><div>CON24 Connector 24"</div><div>BW Bare Wire (Standard 24")</div><div>CON6 Connector 6"</div><div>CON24 Connector 24"</div></div>	<div><div>9</div><div>CONNECTOR/WIRE OUT</div><div>CLS Closed End (No feed)</div><div>BW Bare Wire (Standard 24")</div><div>CON6 Connector 6"</div><div>CON24 Connector 24"</div></div>	<div><div>10</div><div>WIRE COLOR</div><div>WH White</div><div>BK Black</div></div>		
<div><div>11</div><div>WIRE TYPE</div><div>CL2 Class 2</div><div>CL2P Plenum Rated</div><div>CL2P only available with bare wire leads (BW)</div></div>	<div><div>12</div><div>MOUNTING</div><div>SST Stainless Steel</div><div>M4 Low Profile Magnet</div><div>MG Magnet</div></div>	<div><div>13</div><div>FINISH</div><div>ST Satin</div><div>BK Black</div><div>BZ Bronze</div><div>CU Custom</div><div>Custom finishes require a longer lead time, consult factory</div></div>	<div><div>14</div><div>LENGTH (IN)</div><div>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".</div></div>	<div><div>15</div><div>EXACT/OPTIMAL</div><div>O Optimal Illumination</div><div>E Exact Specified Length</div><div>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.</div></div>	

For continuous mounting, consider bottom or side feed

BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

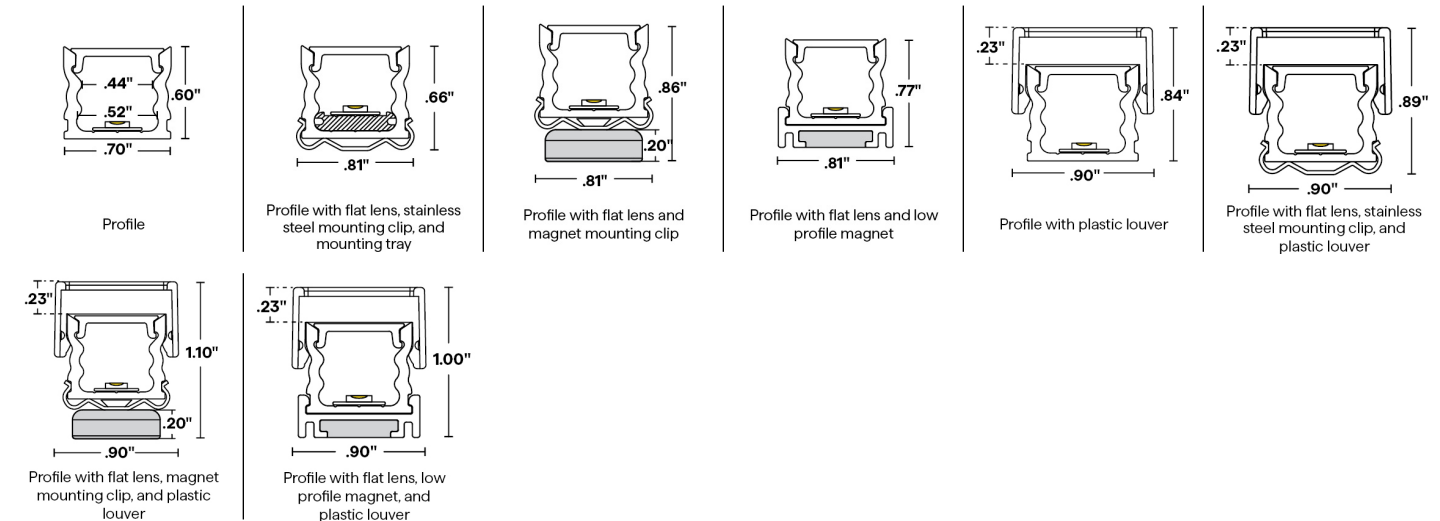
BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)



ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

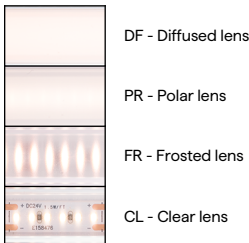
[Calculated L70 = 70000 hrs]
Tested with TQ1RGBW-4.0HE-30-DRY-STD

	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

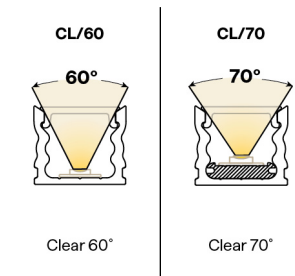
	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
60	31	629	118	516	25	465	73	97
70	32	629	123	516	27	465	76	97
FR	30	629	116	516	25	465	71	97
PR	27	629	105	516	23	465	64	97
DF	24	629	93	516	20	465	57	97

6 DIODE VISIBILITY



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

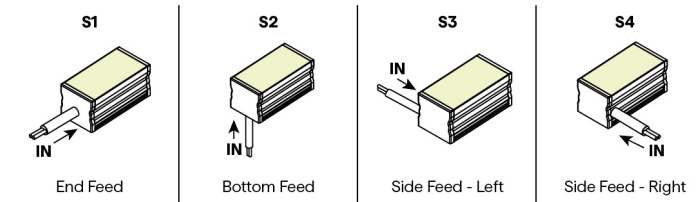
24VDC Linear Fixtures - Surface & Recessed

TEMPERATURE RATINGS

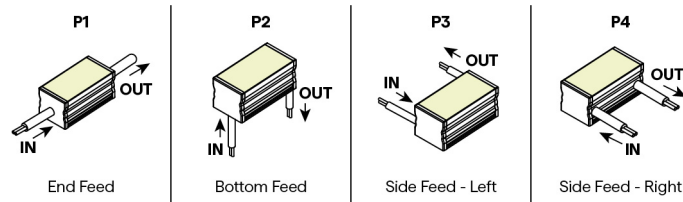
		4.0 HE W/FT		8.0 HE W/FT	
		Min	Max	Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	125°F	-4°F	110°F
DMP	Ambient Operating Temp - Surface	-4°F	120°F	**	**

7 WIRE INPUT/OUTPUT

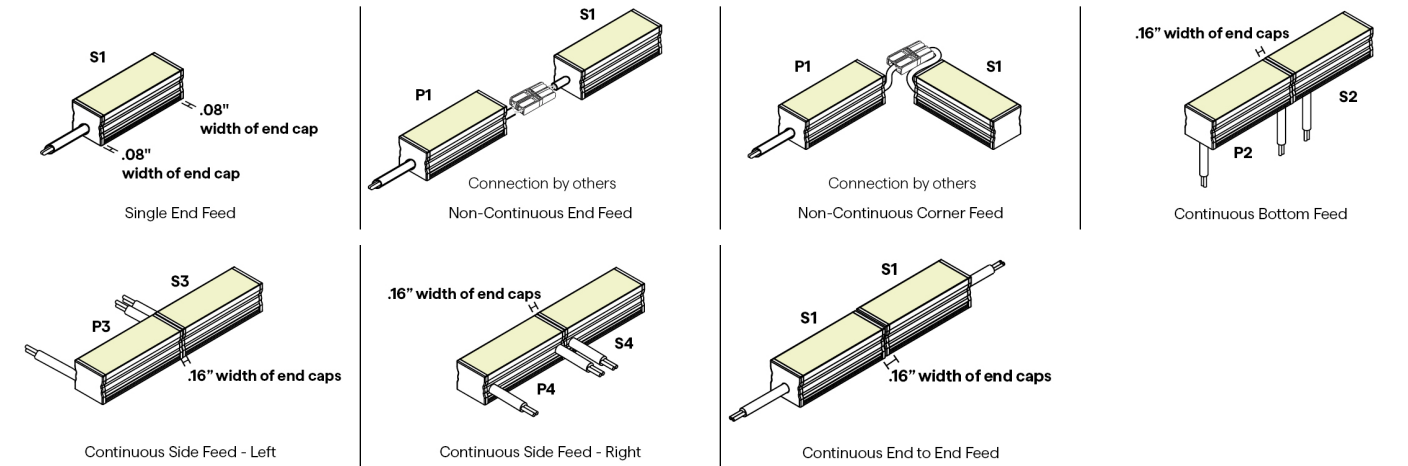
SINGLE (Input only)



PASS THROUGH (Input/Output)

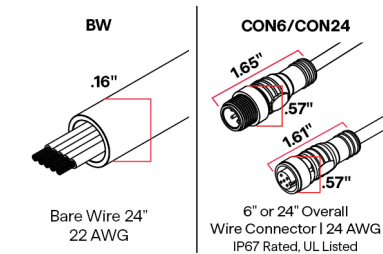


CONFIGURATION OPTIONS



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



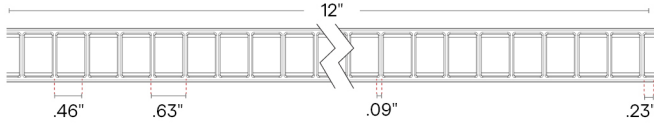


ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

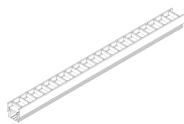
24VDC Linear Fixtures - Surface & Recessed

EXTERNAL LOUVER ACCESSORY

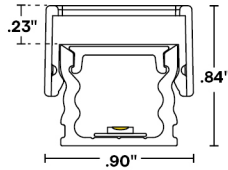
PLASTIC



L1-XX



Lumen Multiplier
WH BK

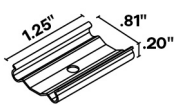


Profile with plastic louver

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

12 MOUNTING

SST



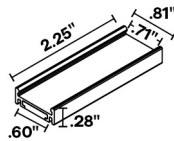
Stainless Steel Clip

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

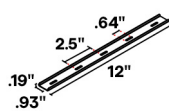


Low Profile Magnet

One M4 provided per foot.

To order separately use
MG-04

MMA-04



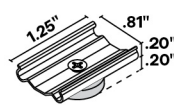
Magnet Mount
Accessory for M4

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

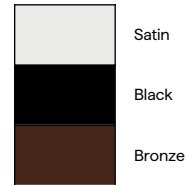


Magnet Clip

One MG provided per foot

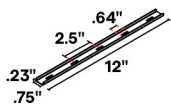
To order separately use MG-01

13 FINISH



Custom finishes require a longer lead time, consult factory

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) RGBW HIGH EFFICACY

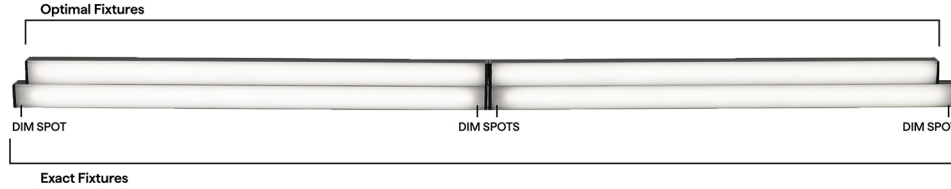
24VDC Linear Fixtures - Surface & Recessed

14 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

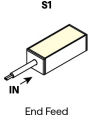
[E/O Explained →](#)

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.

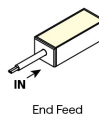
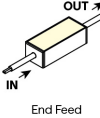
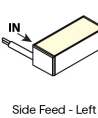


RGBW DRY DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture 
12"	2"
13"	0.5"
14"	1"
15"	1.5"
16"	2"
17"	0.5"
18"	1"
19"	1.5"
20"	2"
21"	0.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2 	P1 & P2 	S3 & S4 	P3 & P4 
12"	8.51"	8.86"	8.41"	8.51"
13"	12.51"	12.86"	12.41"	12.51"
14"	12.51"	12.86"	12.41"	12.51"
15"	12.51"	12.86"	12.41"	12.51"
16"	12.51"	12.86"	12.41"	12.51"
17"	16.51"	16.86"	16.41"	16.51"
18"	16.51"	16.86"	16.41"	16.51"
19"	16.51"	16.86"	16.41"	16.51"
20"	16.51"	16.86"	16.41"	16.51"
21"	20.51"	20.86"	20.41"	20.51"
22"	20.51"	20.86"	20.41"	20.51"
23"	20.51"	20.86"	20.41"	20.51"
24"	20.51"	20.86"	20.41"	20.51"
36"	32.51"	32.86"	32.41"	32.51"
48"	44.51"	44.86"	44.41"	44.51"
60"	56.51"	56.86"	56.41"	56.51"
72"	68.51"	68.86"	68.41"	68.51"
84"	80.51"	80.86"	80.41"	80.51"
96"	92.51"	92.86"	92.41"	92.51"

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+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 RGBW App Dongle



ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed

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

COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M

Adjustable mounting bracket - Medium

HINGE - HMB-L

Adjustable mounting bracket - Large

HINGE - HMB-XL

Adjustable mounting bracket - XLarge

Q-PIVOT

Small mounting accessory

Q-ANGLE

Adjustable mounting accessory

VHB

Double sided mounting tape

NJ-MEDIUM

J Mounting Bracket

NJ-LARGE

J Mounting Bracket

NU-LARGE

U Mounting Bracket

SD-J-LARGE

J Mounting Bracket

MMA-01

Magnet Mount Accessory of MG-01

MMA-04

Magnet Mount Accessory of MG-04

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

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

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

Wi-Fi or Bluetooth Connectivity

IQ-DMX-STICK-GA2

DMX controller for changing color & dimming

IQ-DMX-STICK-DE3

DMX controller for changing color & dimming