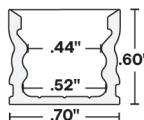
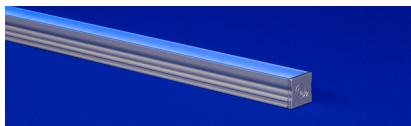




# ESSENTIALS TORQ- ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed



- Surface mount linear fixture
- Features high quality LED strips encapsulated in polyurethane in a rigid extrusion providing a robust fixture
- Encapsulation available in clear or translucent
- Suitable for indoor and outdoor locations (IK10)
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish or clear end caps to achieve seamless appearance of long runs
- Red, Green, and Blue LED paired with a specifiable white LED allow for color changing applications
- 21 diodes per 2" cut point allowing for minimal diode visibility
- Optional plastic louver accessory available in white or black for added glare control

1 PRODUCT	2 WATTS/FT	3 CCT	4 RATED	5 EFFICIENCY	6 LENS	7 WIRE INPUT/OUTPUT	8 CONNECTOR/WIRE IN	9 CONNECTOR/WIRE OUT	10 INPUT END CAP	11 OUTPUT END CAP	12 WIRE COLOR	13 WIRE TYPE	14 MOUNTING	15 FINISH	16 LENGTH (IN)	17 EXACT/OPTIMAL
TQ3RGBW	4.0HE		ENC													

Sample Part Number: TQ3RGBW-4.0HE-30-ENC-WO-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E

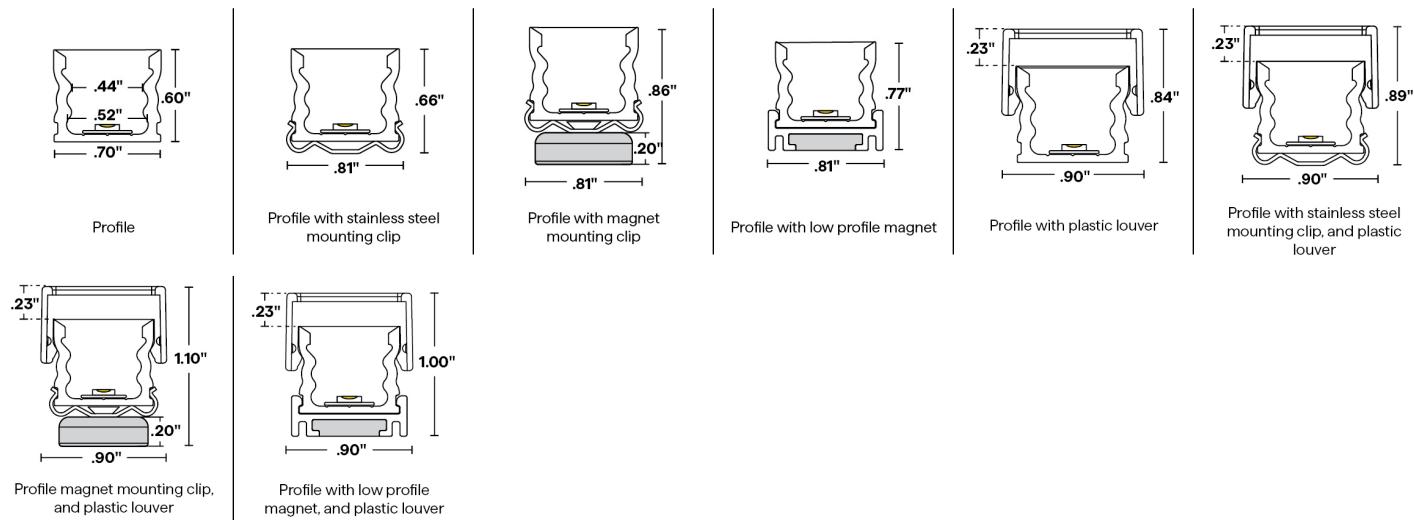
<b>1</b> PRODUCT	<b>2</b> WATTS/FT	<b>3</b> CCT	<b>4</b> RATED	<b>5</b> EFFICIENCY	<b>6</b> LENS
TQ3RGBW  See following pages for compatible power supplies.	4.0HE  4.0W/ft HE	27 30 35 40  RGBW-2700K RGBW-3000K RGBW-3500K RGBW-4000K	ENC  IP67  ENC	STD WO  Standard White Optics  WhiteOptics - Internal coating, greater lumen output	CL TL  Clear Translucent  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	<b>8</b> CONNECTOR/WIRE IN	<b>9</b> CONNECTOR/WIRE OUT			
<b>S1</b> Single 1 (Input only) - End Feed <b>S2</b> Single 2 (Input only) - Bottom Feed <b>S3</b> Single 3 (Input only) - Left Side Feed <b>S4</b> Single 4 (Input only) - Right Side Feed  <b>P1</b> Pass Through 1 (Input/output) - End Feed <b>P2</b> Pass Through 2 (Input/output) - Bottom Feed <b>P3</b> Pass Through 3 (Input/output) - Left Side Feed <b>P4</b> Pass Through 4 (Input/output) - Right Side Feed	<b>BW</b> <b>CON6</b> <b>CON24</b>  Bare Wire (Standard 24") Connector 6" Connector 24"	<b>CLS</b>  Closed End (No feed)			
	<b>BW</b> <b>CON6</b> <b>CON24</b>  Bare Wire (Standard 24") Connector 6" Connector 24"	<b>BW</b> <b>CON6</b> <b>CON24</b>  Bare Wire (Standard 24") Connector 6" Connector 24"			
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)			
<b>10</b> INPUT END CAP	<b>11</b> OUTPUT END CAP	<b>12</b> WIRE COLOR	<b>13</b> WIRE TYPE		
<b>STD</b> Standard <b>CL</b> Clear  STD - End cap matches fixture finish chosen  Select CL for continuous runs	<b>STD</b> Standard <b>CL</b> Clear  STD - End cap matches fixture finish chosen  Select CL for continuous runs	<b>WH</b> White <b>BK</b> Black	<b>CL2</b> Class 2 <b>CL2P</b> Plenum Rated  CL2P only available with bare wire leads (BW)		
<b>14</b> MOUNTING	<b>15</b> FINISH	<b>16</b> LENGTH (IN)	<b>17</b> EXACT/OPTIMAL		
<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  Custom finishes require a longer lead time, consult factory	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.		



# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS



## 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with TQ3RGBW-4.0HE-30-ENC-STD

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	21	629	82	516	18	465	51	97
TL	18	629	69	516	15	465	42	97

[Calculated L70 = 40000 hrs]  
Tested with TQ3RGBW-4.0HE-30-ENC-WO

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	23	629	89	516	19	465	55	97
TL	20	629	78	516	17	465	48	97

## 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

## TEMPERATURE RATINGS

	6.0 W/FT		4.0 HE W/FT	
	Min	Max	Min	Max
Ambient Operating Temp - Surface	-4°F	100°F	-4°F	110°F

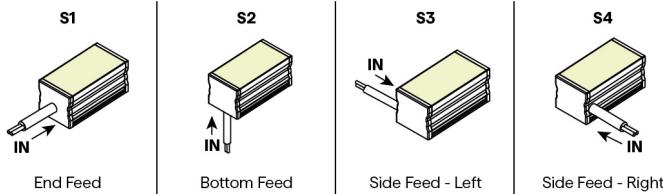


# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

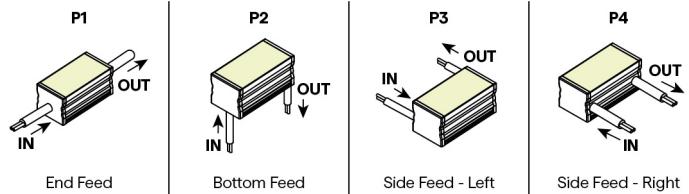
24VDC Linear Fixtures - Surface & Recessed

## 7 WIRE INPUT/OUTPUT

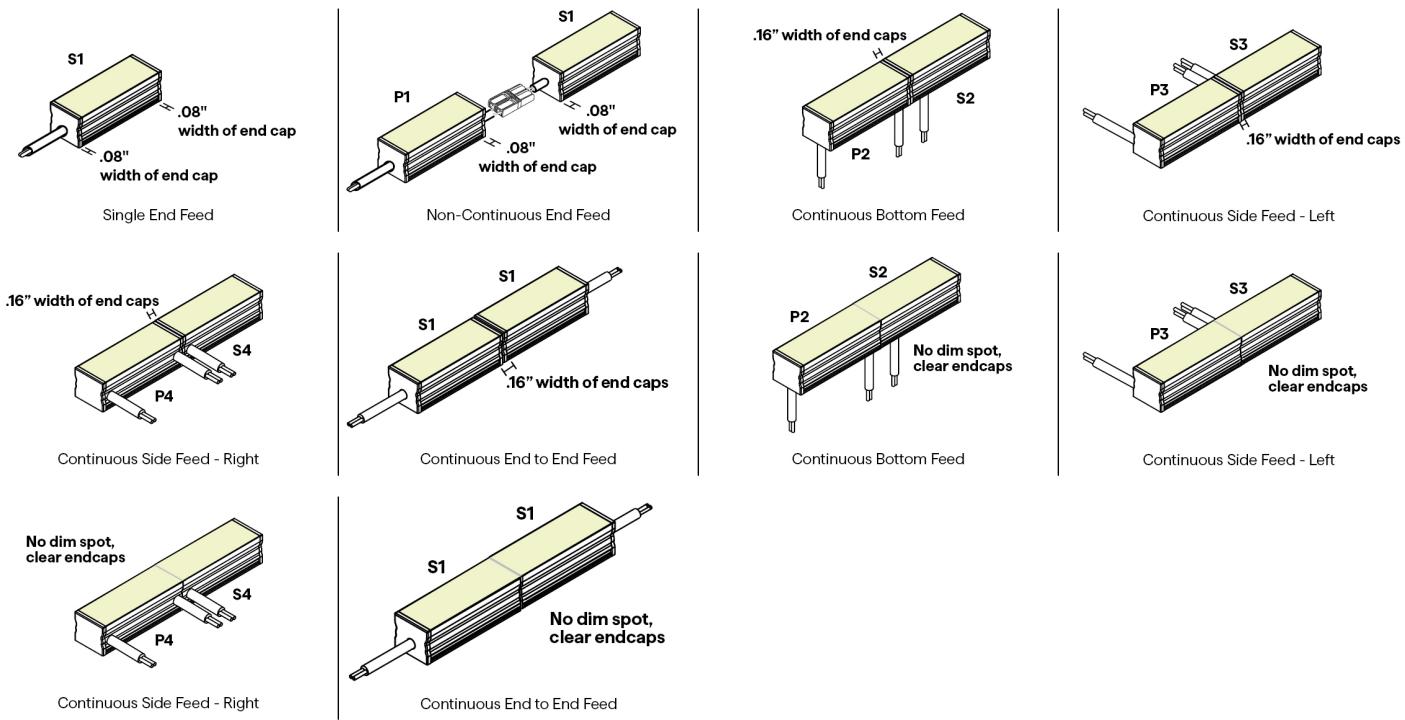
SINGLE (Input only)



PASS THROUGH (Input/Output)

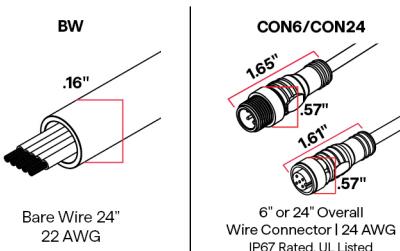


## CONFIGURATION OPTIONS

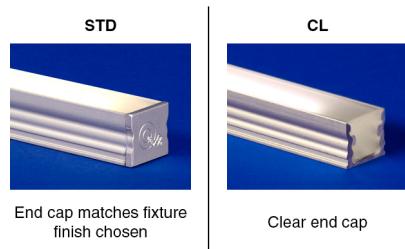


## 8 / 9 CONNECTOR/WIRE – IN/OUT

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



## 10 / 11 END CAP – IN/OUT



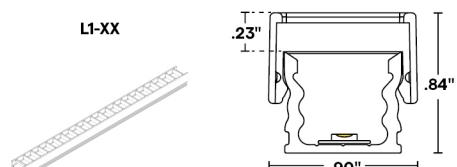
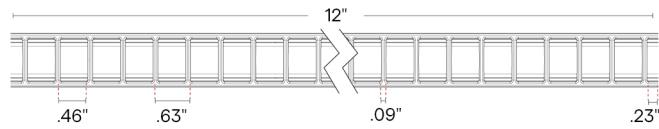


# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

## EXTERNAL LOUVER ACCESSORY

### PLASTIC



Lumen Multiplier  
WH BK

0.70 0.49

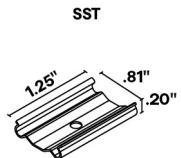
Profile with plastic louver

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

## 12 WIRE COLOR



White  
Black



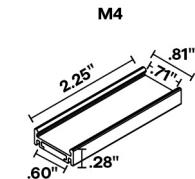
Stainless Steel Clip

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 screw

## 14 MOUNTING



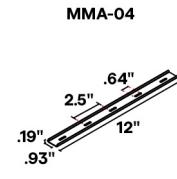
M4



MMA-04

One M4 provided per foot.

To order separately use  
M4-04



MG

One MG provided per foot

To order separately use MG-01

## 15 FINISH



Satin

Black

Bronze

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-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

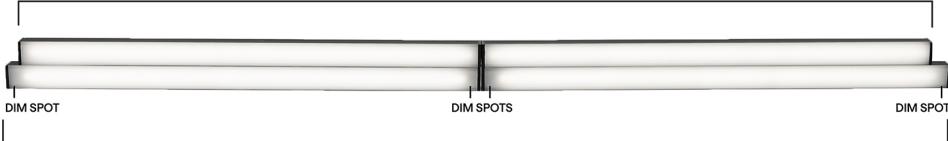
## 17 EXACT/OPTIMAL FIXTURE LENGTH

[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.

Optimal Fixtures



Exact Fixtures

## RGBW-HE ENC LENGTHS BY INCH

### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture	
	S1	End Feed
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

Requested Nominal Length	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1	S2	P1	P2	S3	S4	P3	P4
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 +/- 5% tolerance.

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

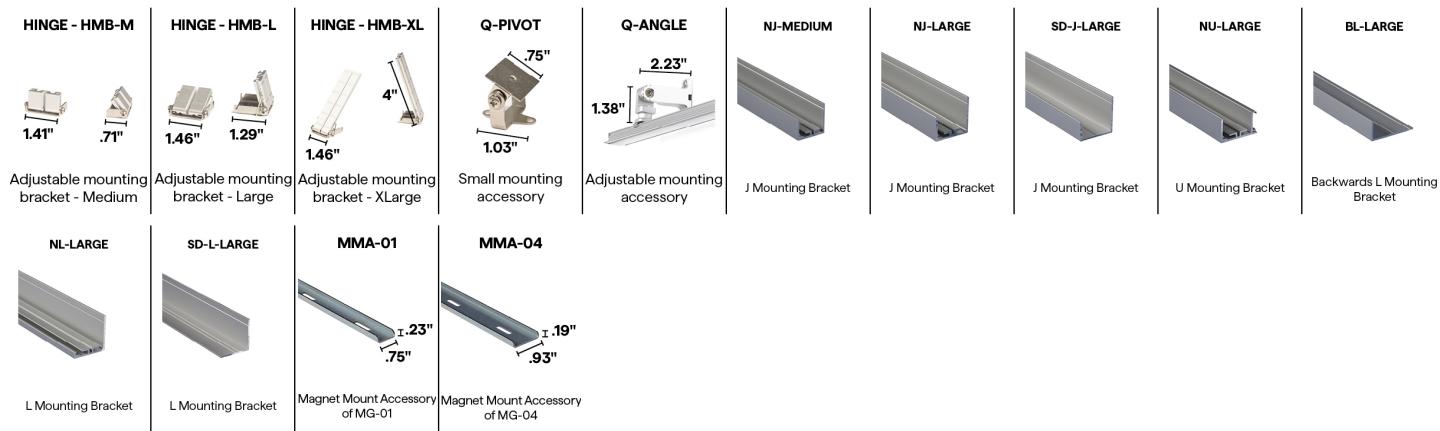


# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

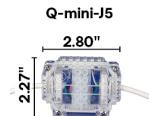
24VDC Linear Fixtures - Surface & Recessed

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

## COMPATIBLE MOUNTING ACCESSORIES

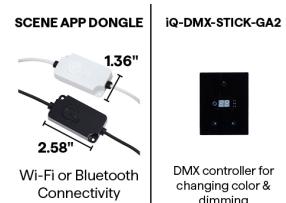


## COMPATIBLE WIRING ACCESSORIES



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

## COMPATIBLE CONTROL ACCESSORIES





## ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

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### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage