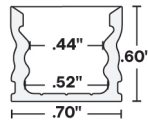
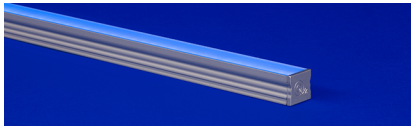




# ESSENTIALS TORQ- ENCAPSULATED (03) RGBW

## 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

### INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5	6
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS
TQ3RGBW	4.0HE		ENC		

### ADDITIONAL INFORMATION REQUIRED TO ORDER

7	8	9	10	11	12	13	14	15	16	17
WIRE INPUT/ OUTPUT	CONNECTOR / WIRE IN	CONNECTOR / WIRE OUT	INPUT END CAP	OUTPUT END CAP	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL

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

1

PRODUCT

TQ3RGBW

See following pages for compatible power supplies.

2

WATTS/FT

4.0HE

4.0W/ft HE

3

CCT

27

RGBW-2700K

30

RGBW-3000K

35

RGBW-3500K

40

RGBW-4000K

4

RATED

ENC

IP67

5

EFFICIENCY

STD

Standard

WO

White Optics

WhiteOptics - Internal coating, greater lumen output

6

LENS

CL

Clear

TL

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

7

WIRE INPUT/OUTPUT

SINGLE (Input only)

S1End Feed

S2Bottom Feed

S3Left Side Feed

S4Right Side Feed

For continuous mounting, consider bottom or side feed

PASS THROUGH (Input/output)

P1End Feed

P2Bottom Feed

P3Left Side Feed

P4Right Side Feed

For continuous mounting, consider bottom or side feed

8

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)

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)

9

CONNECTOR/WIRE OUT

CLS

Closed End (No feed)

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)

10

INPUT END CAP

STD

Standard

CL

Clear

STD - End cap matches fixture finish chosen

Select CL for continuous runs

11

OUTPUT END CAP

STD

Standard

CL

Clear

STD - End cap matches fixture finish chosen

Select CL for continuous runs

12

WIRE COLOR

WH

White

BK

Black

13

WIRE TYPE

CL2

Class 2

CL2P

Plenum Rated

CL2P only available with bare wire leads (BW)

14

MOUNTING

SST

Stainless Steel

M4

Low Profile Magnet

MG

Magnet

15

FINISH

ST

Satin

BK

Black

BZ

Bronze

CU

Custom

16

LENGTH (IN)

Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".

17

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.

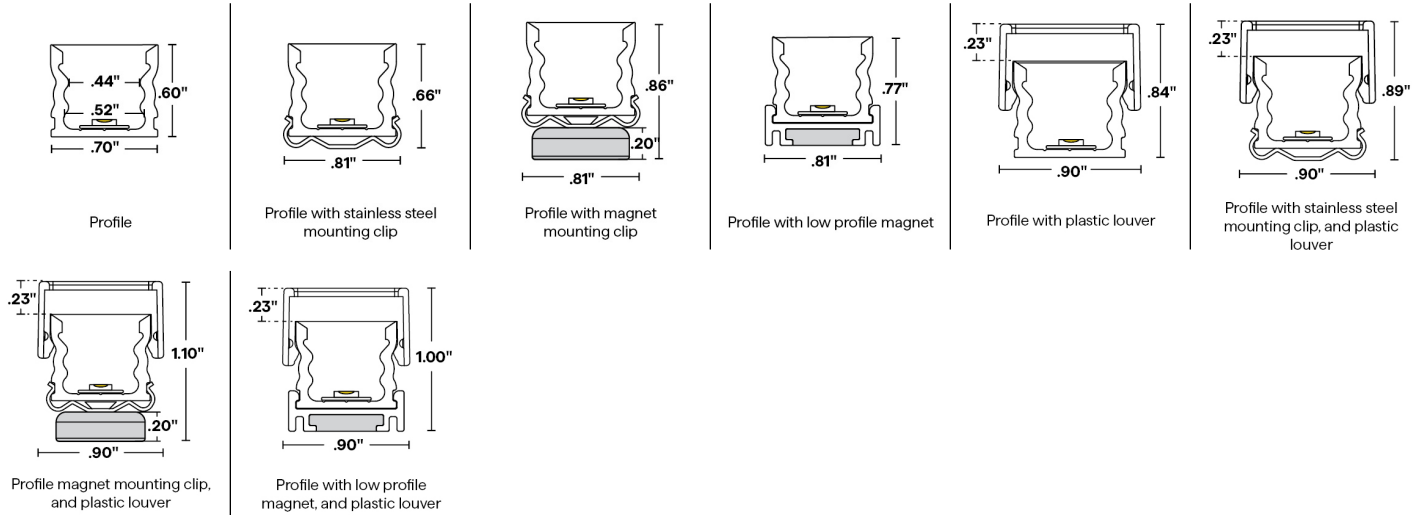
5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | IK10 rated



# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS



## 2 DELIVERED LUMENS

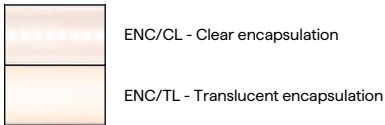
[Calculated L70 = 40000 hrs]  
Tested with TQ3RGBW-4.0HE-30-ENC-STD

	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



## 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

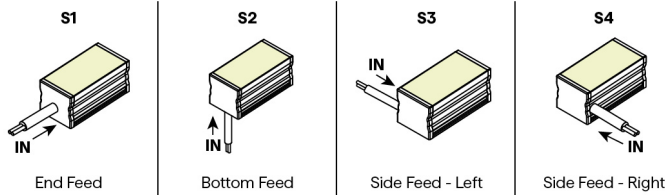


# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

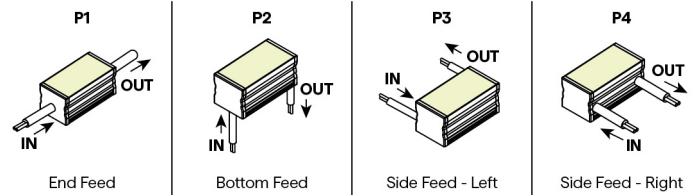
24VDC Linear Fixtures - Surface & Recessed

## 7 WIRE INPUT/OUTPUT

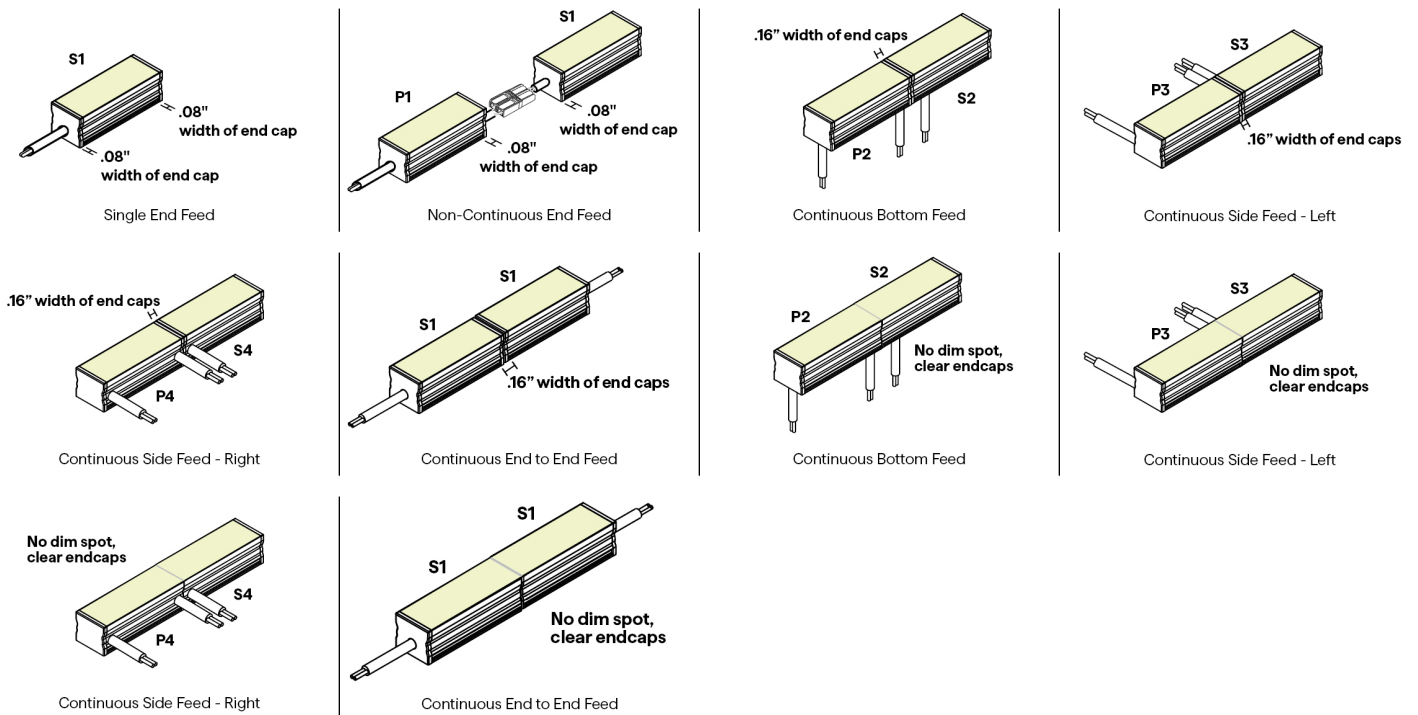
SINGLE (Input only)



PASS THROUGH (Input/Output)

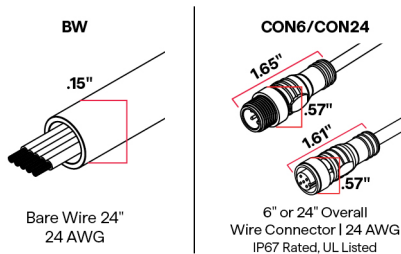


## CONFIGURATION OPTIONS

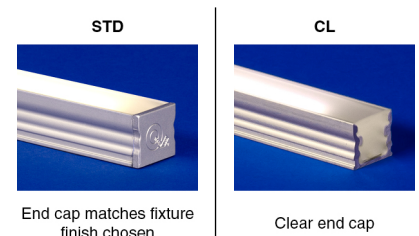


## 8 / 9 CONNECTOR/WIRE - IN/OUT

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



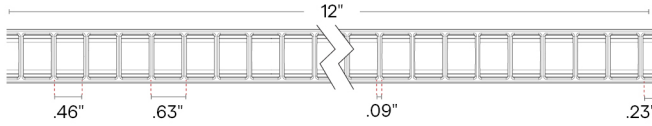


# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

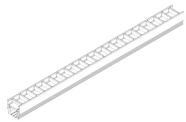
24VDC Linear Fixtures - Surface & Recessed

## EXTERNAL LOUVER ACCESSORY

### PLASTIC



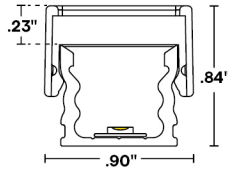
L1-XX



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

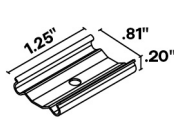


White

Black

### 14 MOUNTING

SST



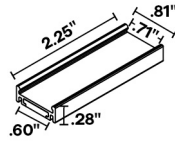
Stainless Steel Clip

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 screw

M4

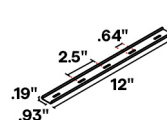


Low Profile Magnet

One M4 provided per foot.

To order separately use  
MG-04

MMA-04



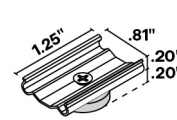
Magnet Mount  
Accessory for M4

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

### 15 FINISH



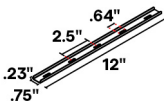
Satin

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



# ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

## 24VDC Linear Fixtures - Surface & Recessed

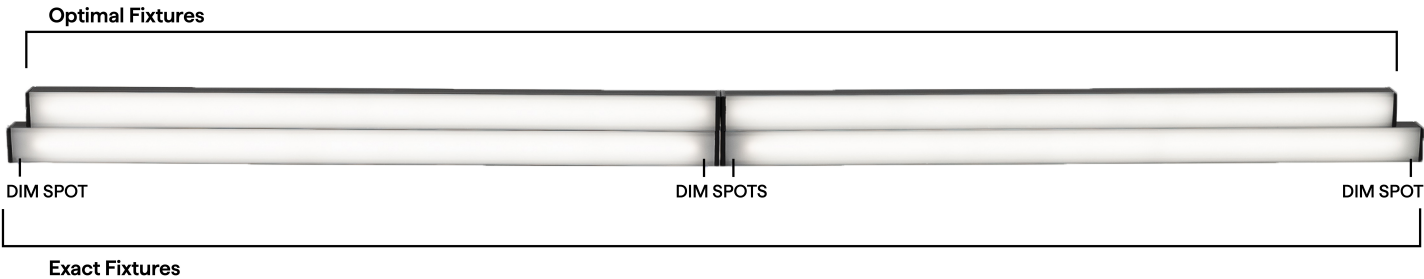
17

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.



### RGBW-HE ENC 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"		10.51"		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
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
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

## COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M

1.41" .71"

Adjustable mounting bracket - Medium

HINGE - HMB-L

1.46" 1.29"

Adjustable mounting bracket - Large

HINGE - HMB-XL

4" 1.46"

Adjustable mounting bracket - XLarge

Q-PIVOT

.75" 1.03"

Small mounting accessory

Q-ANGLE

2.23" 1.38"

Adjustable mounting accessory

NJ-MEDIUM

J Mounting Bracket

NJ-LARGE

J Mounting Bracket

SD-J-LARGE

J Mounting Bracket

NU-LARGE

U Mounting Bracket

BL-LARGE

Backwards L Mounting Bracket

NL-LARGE

L Mounting Bracket

SD-L-LARGE

L Mounting Bracket

## COMPATIBLE WIRING ACCESSORIES

Q-mini-J5

2.80" 2.27"

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

## COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE

1.36" 2.58"

Wi-Fi or Bluetooth Connectivity

IQ-DMX-STICK-GA2

DMX controller for changing color & dimming



# 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