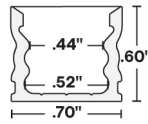
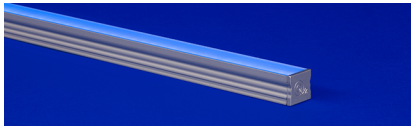




ESSENTIALS TORQ- ENCAPSULATED (03) RGBW

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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS	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
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

1

PRODUCT

TQ3RGBW

See following pages for compatible power supplies.

2

WATTS/FT

4.0HE4.0W/ft HE

3

CCT

27RGBW-2700K
30RGBW-3000K
35RGBW-3500K
40RGBW-4000K

4

RATED

ENCIP67

5

EFFICIENCY

STDStandard
WOWhite Optics

WhiteOptics - Internal coating, greater lumen output

6

LENS

CLClear
TLTranslucent

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

S1Single 1 (Input only) - End Feed
S2Single 2 (Input only) - Bottom Feed
S3Single 3 (Input only) - Left Side Feed
S4Single 4 (Input only) - Right Side Feed

P1Pass Through 1 (Input/output) - End Feed
P2Pass Through 2 (Input/output) - Bottom Feed
P3Pass Through 3 (Input/output) - Left Side Feed
P4Pass Through 4 (Input/output) - Right Side Feed

8

CONNECTOR/WIRE IN

BWCON6CON24Bare Wire (Standard 24")
Connector 6"
Connector 24"

BWCON6CON24Bare Wire (Standard 24")
Connector 6"
Connector 24"

9

CONNECTOR/WIRE OUT

CLS
Closed End (No feed)

BWCON6CON24Bare 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)

10

INPUT END CAP

STDStandard
CLClear

STD - End cap matches fixture finish chosen

Select CL for continuous runs

11

OUTPUT END CAP

STDStandard
CLClear

STD - End cap matches fixture finish chosen

Select CL for continuous runs

12

WIRE COLOR

WHBKWhite
Black

13

WIRE TYPE

CL2CL2PClass 2
Plenum Rated

CL2P only available with bare wire leads (BW)

14

MOUNTING

SSTStainless Steel
M4Low Profile Magnet
MGMagnet

15

FINISH

STBK
BZ
CUCustom

Custom finishes require a longer lead time, consult factory

16

LENGTH (IN)

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

17

EXACT/OPTIMAL

OE
Optimal Illumination
Exact Specified Length

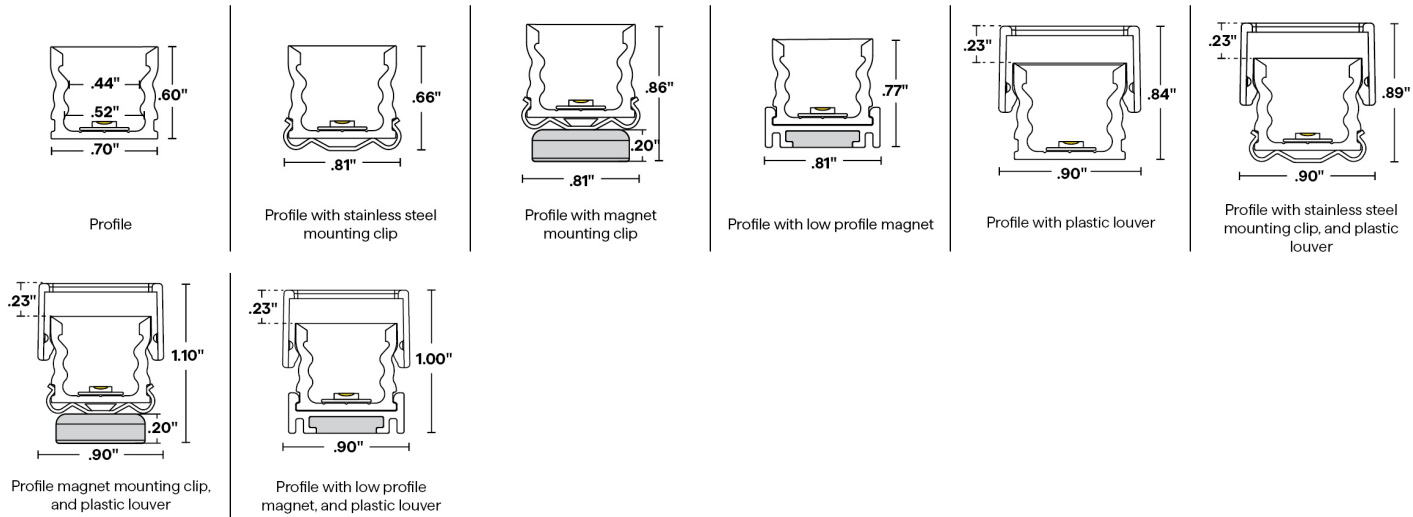
Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end. See Exact/Optimal Fixture Length charts.



ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Surface & Recessed

1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

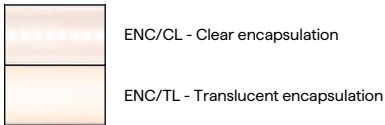
[Calculated L70 = 40000 hrs]
Tested with TQ3RGBW-4.0HE-30-ENC-STD

	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



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

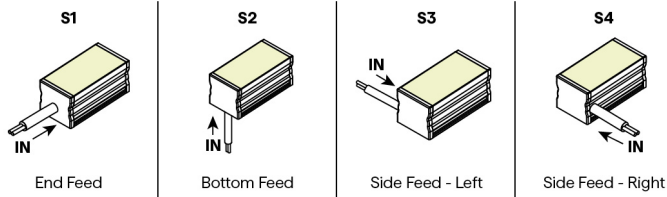


ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

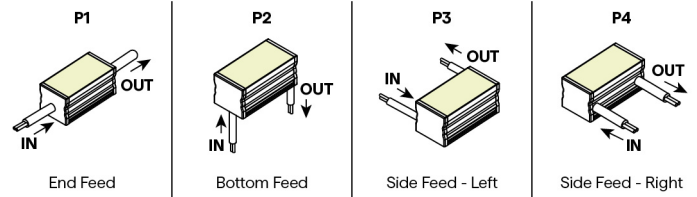
24VDC Linear Fixtures - Surface & Recessed

7 WIRE INPUT/OUTPUT

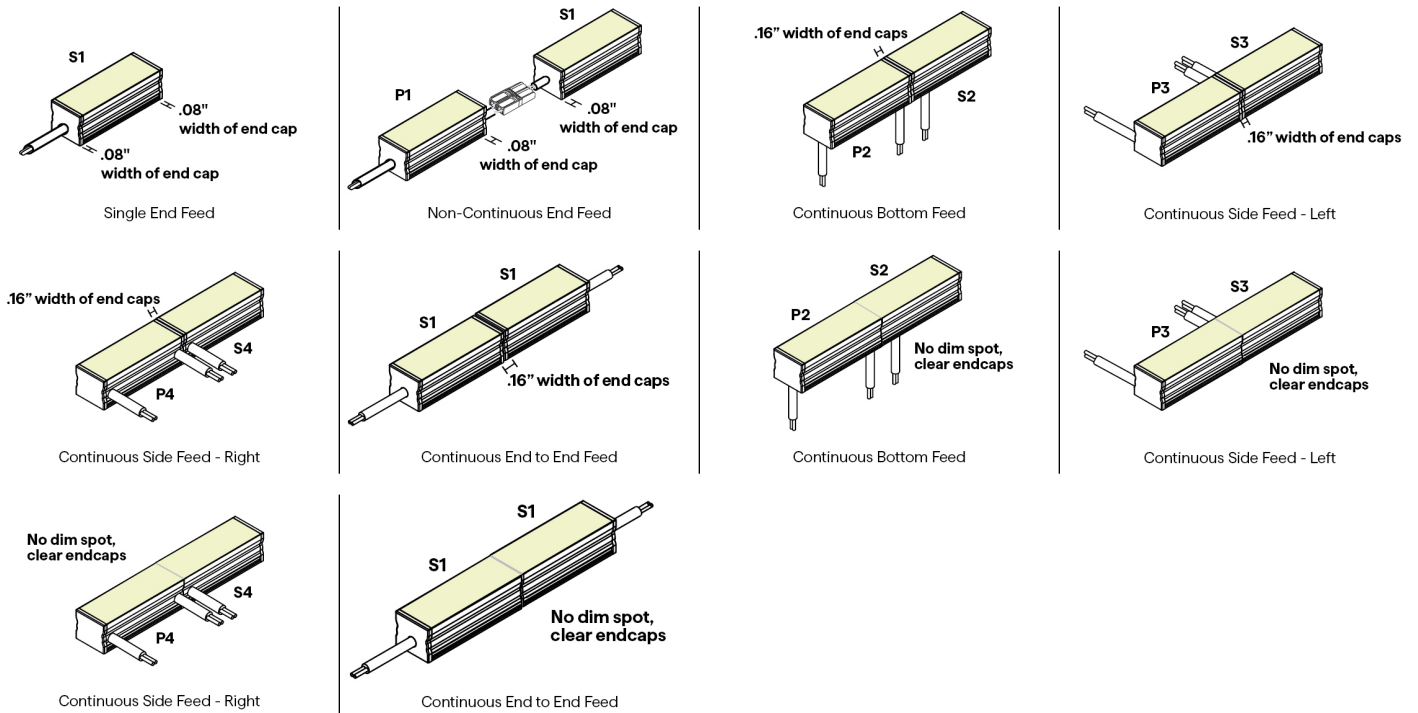
SINGLE (Input only)



PASS THROUGH (Input/Output)

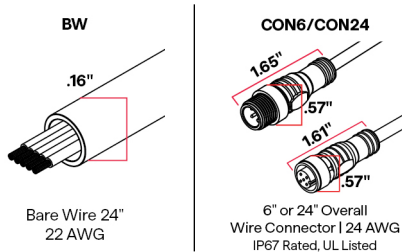


CONFIGURATION OPTIONS

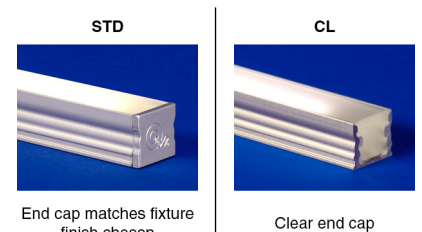


8 / 9 CONNECTOR/WIRE - IN/OUT

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



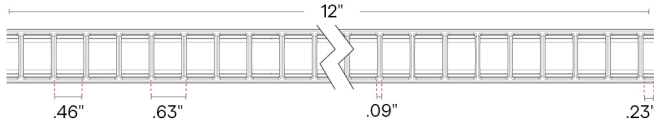


ESSENTIALS TORQ-ENCAPSULATED (03) RGBW

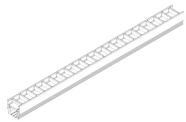
24VDC Linear Fixtures - Surface & Recessed

EXTERNAL LOUVER ACCESSORY

PLASTIC



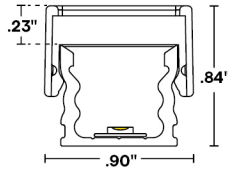
L1-XX



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

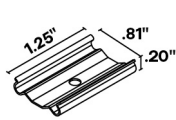


White

Black

14 MOUNTING

SST



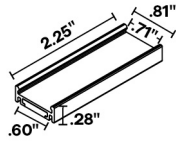
Stainless Steel Clip

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

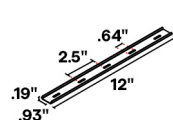


Low Profile Magnet

One M4 provided per foot.

To order separately use
MG-04

MMA-04



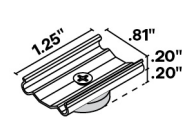
Magnet Mount
Accessory for M4

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

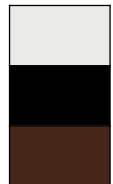


Magnet Clip

One MG provided per foot

To order separately use MG-01

15 FINISH



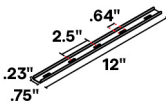
Satin

Black

Bronze

Custom 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

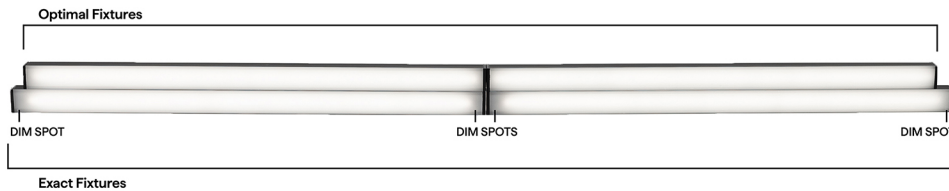
24VDC Linear Fixtures - Surface & Recessed

17 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

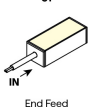
[E/O Explained →](#)

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.

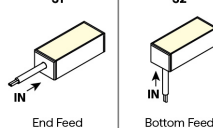
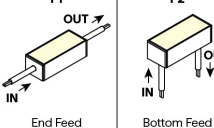


RGBW-HE ENC LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 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

Requested Nominal Length	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

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

MMA-01

.23" .75"

Magnet Mount Accessory of MG-01

MMA-04

.19" .93"

Magnet Mount Accessory of MG-04

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

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage