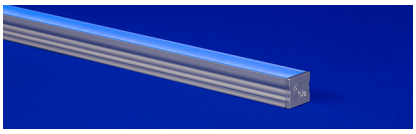
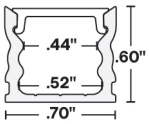
ESSENTIALS TORQ-FLAT (01)
RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed





- Surface mount linear fixture
- Choose from diffused, polar, or frosted for varying diode visibility and beam angles
- 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" cutpoint 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 WIRE COLOR	11 WIRE TYPE	12 MOUNTING	13 FINISH	14 LENGTH (IN)	15 EXACT/ OPTIMAL

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

1 PRODUCT

TQ1RGBW
See following pages for compatible power supplies.

TQ1RGBW

2 WATTS/FT

4.0HE 4.0W/ft HE

8.0HE 8.0W/ft HE

3 CCT

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

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

4 RATED

DRY IP20
DMP IP54

DRY IP20

5 EFFICIENCY

STD Standard
WO White Optics

WhiteOptics - Internal coating, greater lumen output

6 LENS

DF Diffused
PR Polar
FR Frosted

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

S1 Single 1 (Input only) - End Feed
S2 Single 2 (Input only) - Bottom Feed
S3 Single 3 (Input only) - Left Side Feed
S4 Single 4 (Input only) - Right Side Feed

P1 Pass Through 1 (Input/output) - End Feed
P2 Pass Through 2 (Input/output) - Bottom Feed
P3 Pass Through 3 (Input/output) - Left Side Feed
P4 Pass Through 4 (Input/output) - Right 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 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 WIRE COLOR

WH White
BK Black

11 WIRE TYPE

CL2 Class 2
CL2P Plenum Rated

CL2P only available with bare wire leads (BW)

12 MOUNTING

SST Stainless Steel
M4 Low Profile Magnet
MG Magnet

13 FINISH

ST Satin
BK Black
BZ Bronze
CU Custom

Custom finishes require a longer lead time, consult factory

14 LENGTH (IN)

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

15 EXACT/OPTIMAL

O Optimal Illumination
E Exact Specified Length

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.

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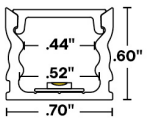
Specification subject to change. Rev-11-11-26

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

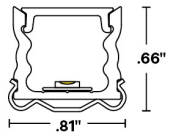
ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed

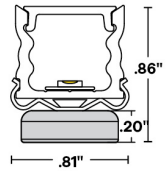
1 PRODUCT - DIMENSIONS



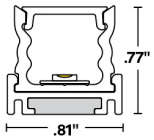
Profile



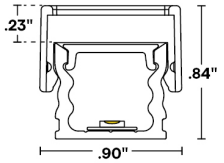
Profile with flat lens, stainless steel mounting clip, and mounting tray



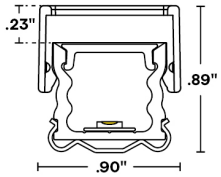
Profile with flat lens and magnet mounting clip



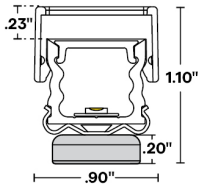
Profile with flat lens and low profile magnet



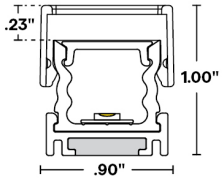
Profile with plastic louver



Profile with flat lens, stainless steel mounting clip, and plastic louver



Profile with flat lens, magnet mounting clip, and plastic louver



Profile with flat lens, low profile magnet, and 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
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
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

PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.



60°

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Specification subject to change. Rev-11-11-26

ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

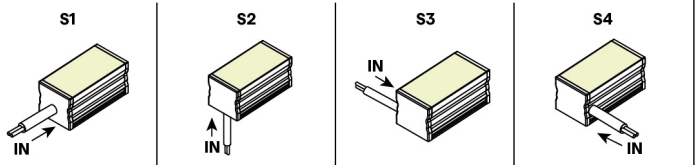
24VDC Linear Fixtures - Surface & Recessed

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	125°F	—	—

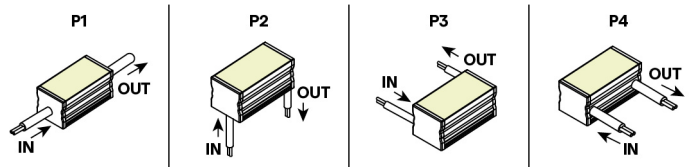
7 WIRE INPUT/OUTPUT

SINGLE (Input only)



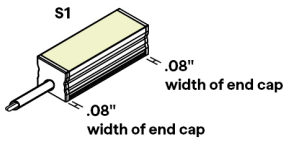
End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

PASS THROUGH (Input/Output)

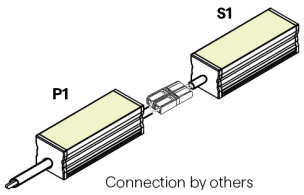


End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

CONFIGURATION OPTIONS

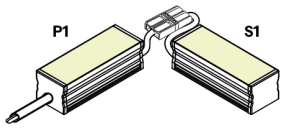


Single End Feed



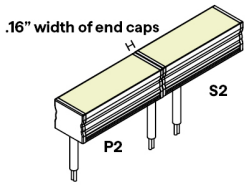
Connection by others

Non-Continuous End Feed

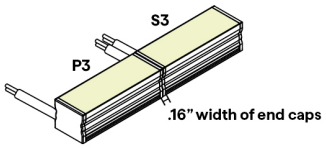


Connection by others

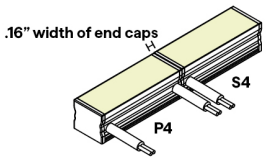
Non-Continuous Corner Feed



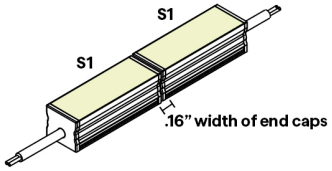
Continuous Bottom Feed



Continuous Side Feed - Left



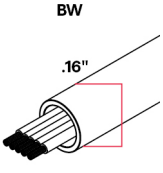
Continuous Side Feed - Right



Continuous End to End Feed

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

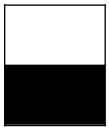


Bare Wire 24"
22 AWG



6" or 24" Overall
Wire Connector | 24 AWG
IP67 Rated, UL Listed

10 WIRE COLOR



White

Black

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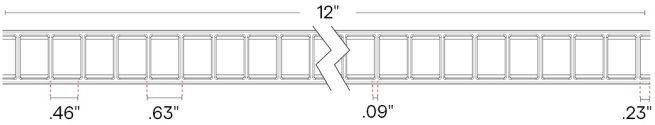
Specification subject to change. Rev-11-11-26

ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

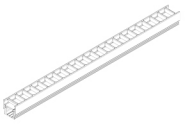
24VDC Linear Fixtures - Surface & Recessed

EXTERNAL LOUVER ACCESSORY

PLASTIC

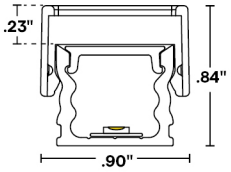


L1-XX



Lumen Multiplier

WH	BK
0.71	0.53

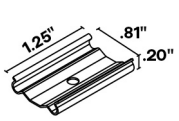


Profile with plastic louver

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

12 MOUNTING

SST



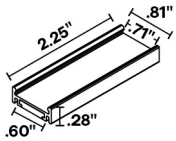
Stainless Steel Clip

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

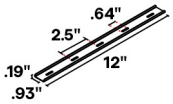


Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

MMA-04



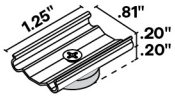
Magnet Mount Accessory for M4

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

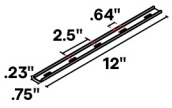


Magnet Clip

One MG provided per foot

To order separately use MG-01

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

13 FINISH



Satin

Black

Bronze

Custom finishes require a longer lead time, consult factory

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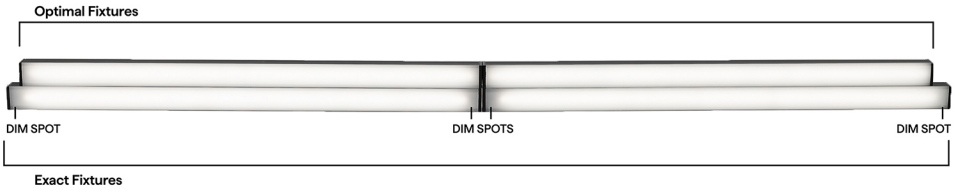
ESSENTIALS TORQ-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface & Recessed

14 EXACT/OPTIMAL FIXTURE LENGTH

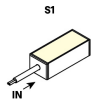
E/O Length Calculator → E/O Explained →

Exact fixtures are the exact length specified +0 -1/8". 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.

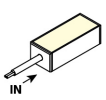
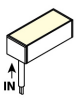
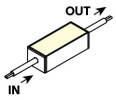
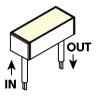
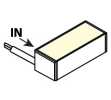
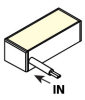
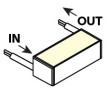
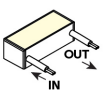


RGBW DRY DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	
	End Feed
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	
								
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed	S3 Side Feed - Left	S4 Side Feed - Right	P3 Side Feed - Left	P4 Side Feed - Right
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

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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

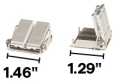
COMPATIBLE MOUNTING ACCESSORIES

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



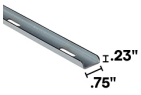
U Mounting Bracket

SD-J-LARGE



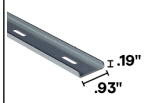
J Mounting Bracket

MMA-01



Magnet Mount Accessory of MG-01

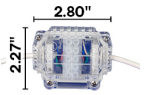
MMA-04



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

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