



Q-TRAN TQ3DW Linear Fixtures Surface User Manual

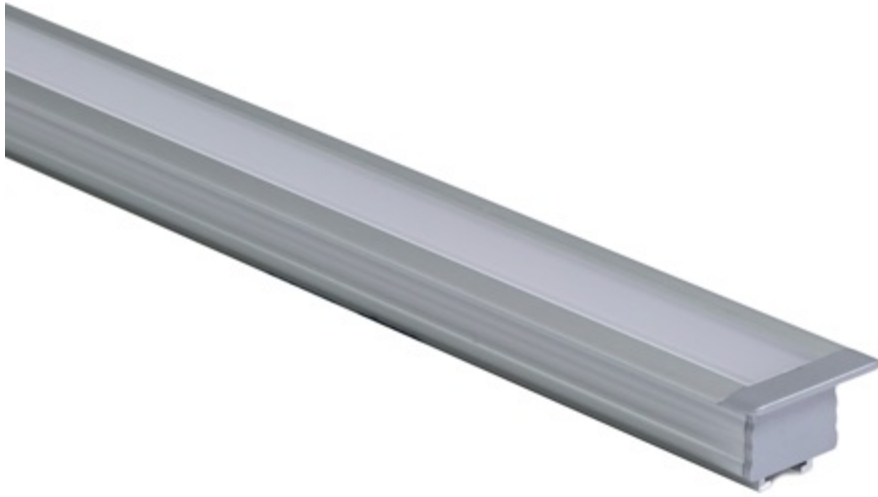
[Home](#) » [Q-TRAN](#) » Q-TRAN TQ3DW Linear Fixtures Surface User Manual 

Contents

- [1 Q-TRAN TQ3DW Linear Fixtures Surface](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 DIMENSION](#)
- [5 PRODUCT DIMENSIONS](#)
- [6 CONFIGURATION OPTIONS](#)
- [7 MOUNTING](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)
- [9 Related Posts](#)



Q-TRAN TQ3DW Linear Fixtures Surface



Product Information

The TORQ-ENCAPSULATED (03) is a linear fixture designed for tunable applications. It is suitable for both indoor and outdoor locations, as it is encapsulated with polyurethane for added durability (IK10 rated). The fixture features high-quality LED strips that are encapsulated in a rigid extrusion, providing a robust fixture for various environments. It delivers superior uniform light output and luminosity.

Product	Watts/Ft	CCT
TQ3DW	1.5W/ft	2400K/3000K

Using DALI, DMX, or non QTran power supplies may double the watts/ft. Please refer to the last page of the manual for compatible power supplies.

The fixture is available in different lengths and finishes. The wire input/output, connector type, lens, and mounting options can also be customized to suit your specific needs.

Product Usage Instructions

1. Select the appropriate TORQ-ENCAPSULATED (03) product based on your desired watts/ft and CCT.
2. If using special power supplies like DALI or DMX, refer to the last page of the manual for compatible options.
3. Determine the wire input/output configuration based on your installation requirements. Consider bottom or side feed for continuous mounting.
4. Select the desired connector type and wire length for both wire input and output. The standard length is 24 inches, but custom lengths can be requested.
5. Choose the lens type based on your preference for LED visibility and beam angles. Refer to the Diode Visibility and Photometric Performance sections for more information.
6. Select the appropriate wire color and type (Class 2 or Plenum Rated) for your installation.
7. Choose the desired input and output end caps. The standard option matches the fixture finish, while the CL option is suitable for continuous runs.
8. Select the preferred mounting option – stainless steel magnet or low profile magnet.
9. Ensure optimal illumination by specifying either the exact specified length or optimal illumination.
10. Verify the finish, wire color, wire type, and length in inches to complete your product selection.

Please note that field modifications may void the warranty. The product comes with a 5-year warranty. All data provided in the manual is subject to change with a tolerance of +/- 5%. The TORQ-ENCAPSULATED (03) is compatible for use with Q-Tran power supplies and has an IK10 rating for durability.

DIMENSION

- Encapsulated with polyurethane for indoor and outdoor locations (IK10)
- Perfect for surface mounted installations
- Features high quality LED strips encapsulated in a rigid extrusion providing a robust fixture for various environments
- Delivers superior uniform light output and luminosity

PR OD UC T	WA TTS / FT	CC T	RAT ED	EFF ICIE NCY	LEN S	WIR E IN PUT / O UTP UT	CO NN ECT OR/ WIR E IN	CO NN ECT OR/ WIR E O UT	INP UT EN D C AP	OU TPU T E ND CAP	WIR E C OL OR	WIR E T YPE	MO UN TIN G	FINI SH	LEN GT H (I N)	EXA CT/ OPT IMA L
TQ3 DW	—	—	ENC	—	—	—	—	—	—	—	—	—	—	—	—	—

Sample Part Number: TO3DW-6.0-24/30-ENC-WO-TL-P1-BW-BW-BK-CL2-SST-BK-48"-E

1. PRODUCT TQ3DW

Using DALI, DMX, or non Q- Tran power supplies may double watts/ft. See last page for compatible power supplies.

2. WATTS/FT

- 1.5HE 1.5W/ft HE
- 2.5HE 2.5W/ft HE

3. CCT

- **24/30:** 2400K/3000K
- **27/40:** 2700K/4000K

4. RATED

- **ENC:** IP67

5. EFFICIENCY

1. **STD:** Standard
2. **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

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
 - For continuous mounting, consider bottom or 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"
 - Connector/Wire In not needed to specify product. Typical selection is BW.
 - **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"
 - Connector/Wire In not needed to specify product. Typical selection is BW.
 - **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"
 - Connector/Wire Out not needed to specify product. Typical selection is CLS or BW.
 - **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
 - **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
- **MG:** Magnet
- **M4:** Low Profile Magnet

15. FINISH

- **ST:** Satin
- **BK:** Black
- **BZ:** Bronze
- **CU:** Custom

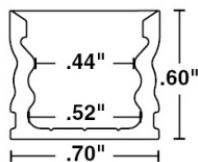
16. LENGTH (IN)

- Fixture length min 12", max 98.43" not including end caps.
- Tolerance +0 – 1/8". Consult factory for lengths under 12".

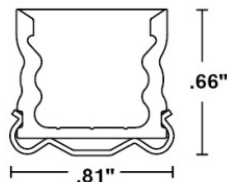
17. EXACT/OPTIMAL

- **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.

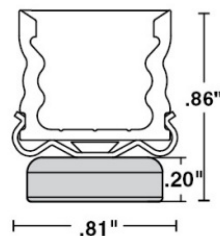
PRODUCT DIMENSIONS



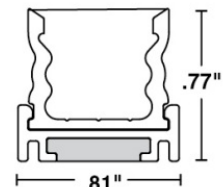
Profile



Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet

DELIVERED LUMENS

- [Calculated L70 = 40000 hrs] Tested with TQ3DW-**-30-ENC-STD

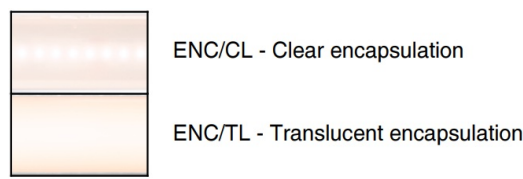
	1.5HE W/FT		2.5HE W/FT	
	LM/FT	CRI	LM/FT	CRI
CL	114	**	180	**
TL	94	**	149	**

- [Calculated L70 = 40000 hrs] Tested with TO3DW-**-30-ENC-WO

	1.5HE W/FT		2.5HE W/FT	
	LM/FT	CRI	LM/FT	CRI
CL	134	**	211	**
TL	117	**	185	**

DIODE VISIBILITY

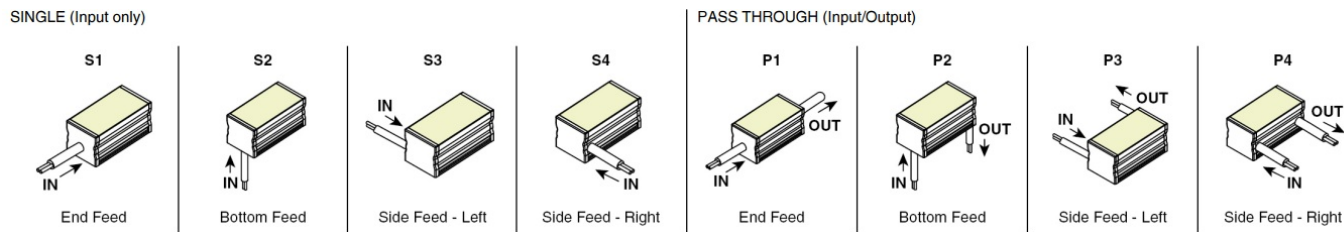
- ENC/CL – Clear encapsulation
- ENC/TL – Translucent encapsulation



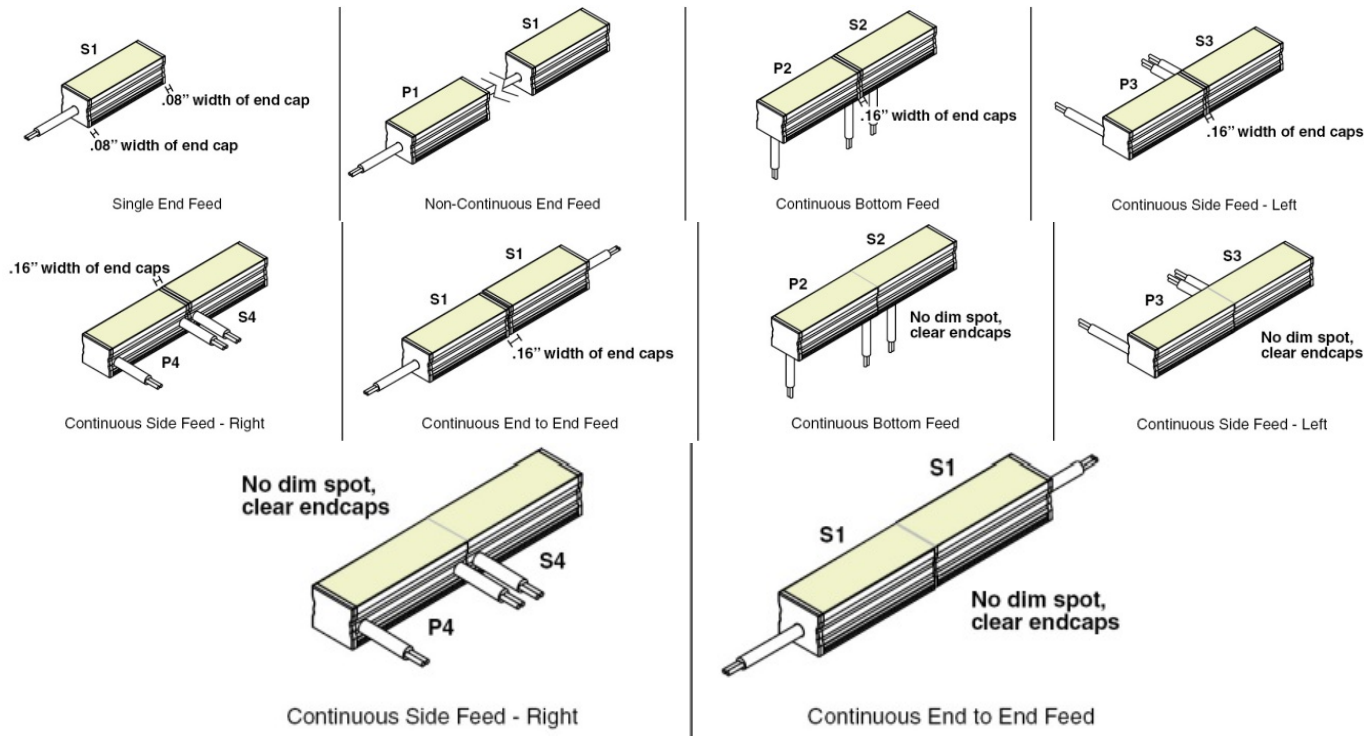
TEMPERATURE RATINGS

	DW 1.5 HE W/FT				DW 2.5 HE W/FT			
	Q-Tran power supply other than DALI, DMX		DALI, DMX, or non-Q-Tran power supply		Q-Tran power supply other than DALI, DMX		DALI, DMX, or non-Q-Tran power supply	
	Min	Max	Min	Max	Min	Max	Min	Max
Surface Mounted	-4°F	135°F	-4°F	120°F	-4°F	125°F	-4°F	105°F

WIRE INPUT/OUTPUT

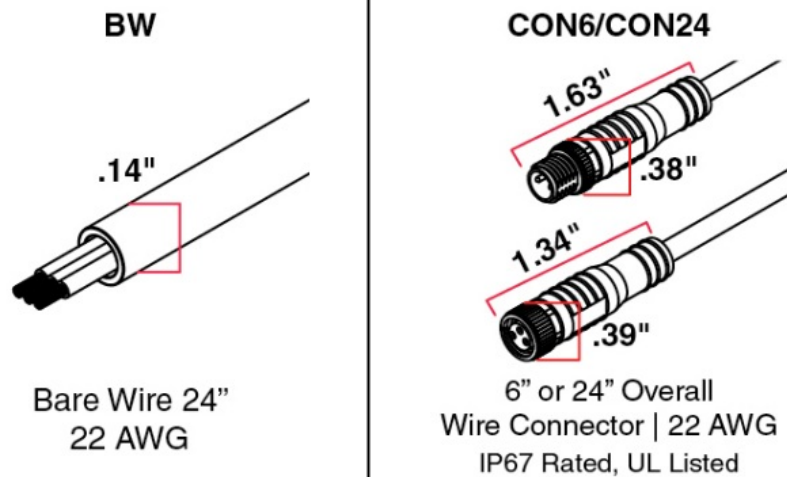


CONFIGURATION OPTIONS

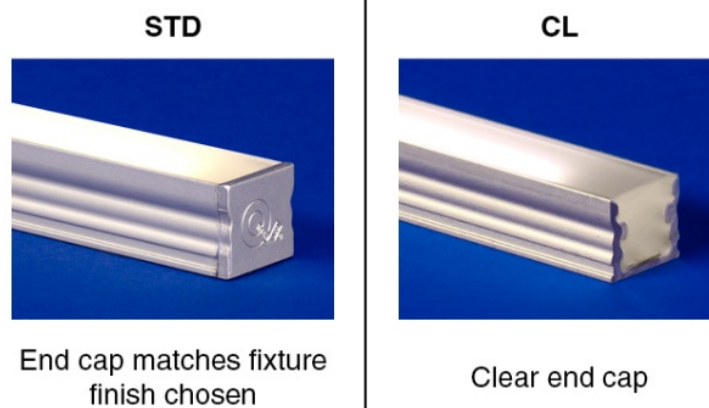


CONNECTOR/WIRE – IN/OUT

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

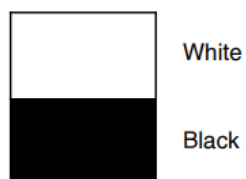


END CAP – IN/OUT

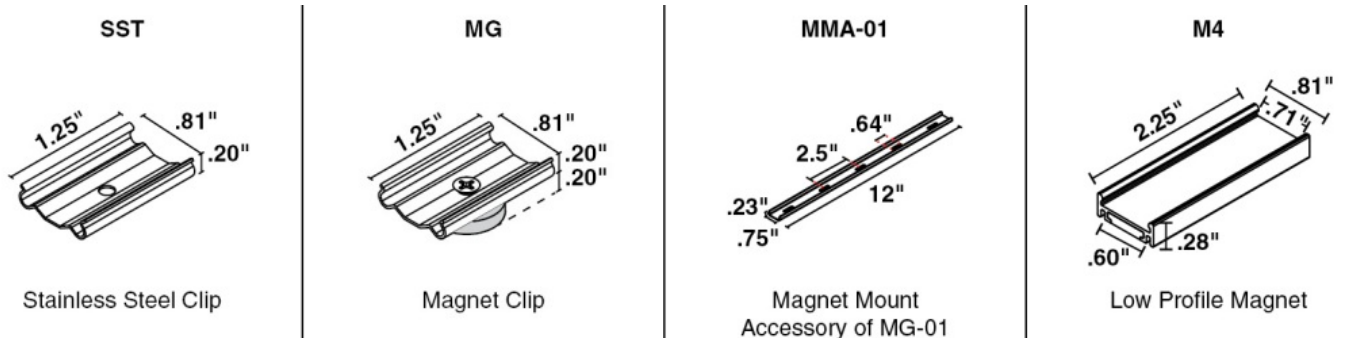


WIRE COLOR

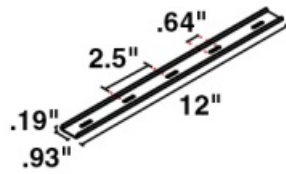
- White
- Black



MOUNTING



MMA-04



Magnet Mount
Accessory for M4

- **SST**

- 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

- **MG**

- One MG provided per foot
- To order separately use MG-01

- **MMA-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

- **M4**

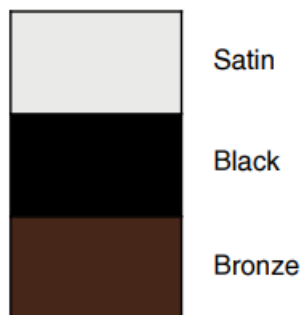
- One M4 provided per foot.
- To order separately use MG-04

- **MMA-04**

- 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

FINISH

- Satin
- Black
- Bronze



- Custom color available

EXACT/OPTIMAL FIXTURE LENGTH



S1 & S2



P1 & P2



S3 & S4



P3 & P4

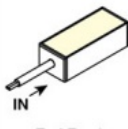
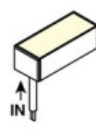
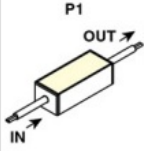
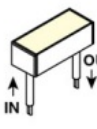
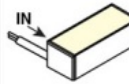
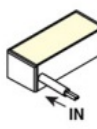
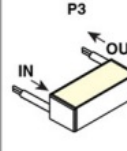
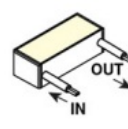
DW-HE ENC LENGTHS BY INCH

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


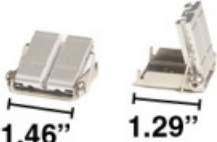




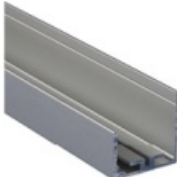
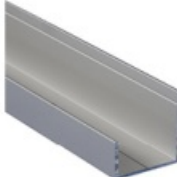
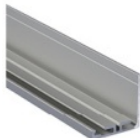
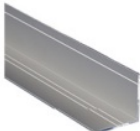
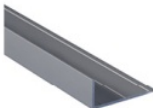
Requested Nominal Length	S1 & S2		P1 & P2		S3 & S4		P3 & P4	
	S1  End Feed	S2  Bottom Feed	P1  End Feed	P2  Bottom Feed	S3  Side Feed - Left	S4  Side Feed - Right	P3  Side Feed - Left	P4  Side Feed - Right
12"		10.5"		10.75"		10.375"		10.375"
13"		12.5"		12.75"		12.375"		12.375"
14"		12.5"		12.75"		12.375"		12.375"
15"		14.5"		14.75"		14.375"		14.375"
16"		14.5"		14.75"		14.375"		14.375"
17"		16.5"		16.75"		16.375"		16.375"
18"		16.5"		16.75"		16.375"		16.375"
19"		18.5"		18.75"		18.375"		18.375"
20"		18.5"		18.75"		18.375"		18.375"
21"		20.5"		20.75"		20.375"		20.375"
22"		20.5"		20.75"		20.375"		20.375"
23"		22.5"		22.75"		22.375"		22.375"
24"		22.5"		22.75"		22.375"		22.375"
36"		34.5"		34.75"		34.375"		34.375"
48"		46.5"		46.75"		46.375"		46.375"
60"		58.5"		58.75"		58.375"		58.375"
72"		70.5"		70.75"		70.375"		70.375"
84"		82.5"		82.75"		82.375"		82.375"
96"		94.5"		94.75"		94.375"		94.375"

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
	DW-HE Tunable Applications	DW-HE Tunable Applications
0.1%	QTM-eLED+TW QTM-eLED+TW-AWN QZ-DMX	Q-SET-QZ-DMX QOM-eLED+TW QZ-DMX
1%	QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-A WN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-A WN	QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8
10%	Non-Dim Power Supply with TW 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	NJ-MEDIUM  J Mounting Bracket	NJ-LARGE  J Mounting Bracket	SD-J-LARGE  J Mounting Bracket
	NL-LARGE  L Mounting Bracket	SD-L-LARGE  L Mounting Bracket	
		BL-LARGE  Backwards L Mounting Bracket	

COMPATIBLE WIRING ACCESSORIES

CON120-EXT  10ft Con cable extender	CON FOUR-FER  Splits lead from one to four LED Con connectors	CON M - BARREL F  Male con to barrel cable adaptor
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COMPATIBLE CONTROL ACCESSORIES



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Specification subject to change. Rev-10-16-23

Documents / Resources

	<p>Q-TRAN TQ3DW Linear Fixtures Surface [pdf] User Manual</p> <p>TQ3DW Linear Fixtures Surface, TQ3DW, Linear Fixtures Surface, Fixtures Surface</p>
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References

- [🌐 Your Name as Your Email | Hover Realnames](#)
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[Manuals+.](#)