


Q-TRAN TQ3SW-1.5 Torq Encapsulated Owner's Manual

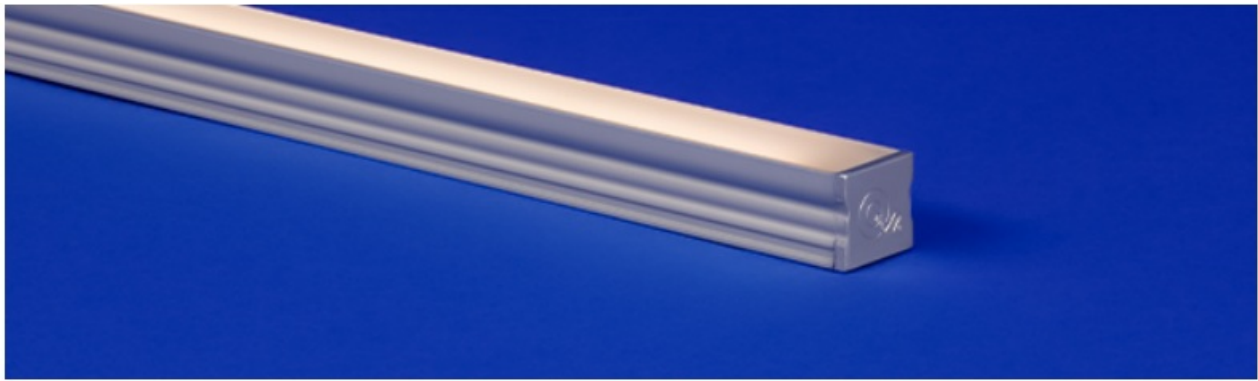
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Q-TRAN TQ3SW-1.5 Torq Encapsulated



Product Information

Specifications

- Product: TORQ-ENCAPSULATED (03) STATIC WHITE
- Linear Fixtures – Surface
- 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

Product Usage Instructions

Watts per Foot (W/ft)

The product is available in different wattages per foot:

- 1.5W/ft
- 3.0W/ft
- 4.0W/ft
- 5.0W/ft
- 1.5W/ft HE
- 3.0W/ft HE
- 6.0W/ft HE

Color Temperature (CCT)

The product is available in the following color temperatures:

- 2400K
- 2700K
- 3000K
- 3500K
- 4000K

Rated Encapsulation (ENC)

The product is rated IP67 for encapsulation.

Efficiency

The product is available in two efficiency options:

- STD (Standard) – Standard efficiency
- WO (White Optics) – Internal coating for greater lumen output

Lens

The product is available with two lens options:

- CL (Clear)
- TL (Translucent)

Wire Input/Output

The product supports different wire input/output configurations:

- 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

Connector/Wire In

The product supports different connector/wire in options:

- BW (Bare Wire) – Standard length is 24, max length is 120. Custom lengths available.
- BRL (Barrel Connector)
- CON6 (Connector 6)
- CON24 (Connector 24)

Connector/Wire Out

The product supports different connector/wire out options:

- CLS (Closed End) – No feed

- BW (Bare Wire) – Standard length is 24, max length is 120. Custom lengths available.
- BRL (Barrel Connector)
- CON6 (Connector 6)
- CON24 (Connector 24)

Input End Cap

The product has two options for the input end cap:

- STD (Standard Clear) – End cap matches fixture finish chosen
- CL (Continuous Runs) – Select for continuous runs

Output End Cap

The product has two options for the output end cap:

- STD (Standard Clear) – End cap matches fixture finish chosen
- CL (Continuous Runs) – Select for continuous runs

Wire Color

The product supports two wire color options:

- WH (White)
- BK (Black)

Wire Type

The product supports two wire types:

- CL2 (Class 2)
- CL2P (Plenum Rated) – Only available with bare wire leads (BW)

Mounting

The product is available with two mounting options:

- SST (Stainless Steel Magnet)
- MG (Low Profile Magnet)

Finish

The product is available in three finish options:

- ST (Satin)

- BK (Black)
- BZ (Bronze)

Length (in)

The product is available in different lengths. Choose between exact and optimal illumination:

- O (Optimal Illumination)
- E (Exact Specified Length)

FAQ

Can this product be used outdoors?

Yes, this product is encapsulated with polyurethane for indoor and outdoor locations.

What is the warranty for this product?

This product comes with a 5-year warranty.

Can I modify the product in the field?

No, field modifications will void the warranty.

Are there any specific power supplies compatible with this product?

Refer to the last page of the manual for compatible power supplies.

Is this product rated by the Florida Fish and Wildlife Conservation Commission (FWC)?

Yes, the strips in this product are rated by the FWC for Red and Amber colors.

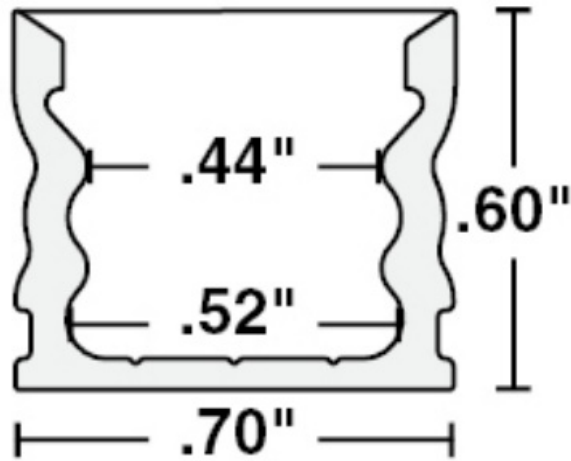
What is the IP rating of the encapsulation?

The product is rated IP67 for encapsulation.

What tolerance should I expect in the provided data?

All data has a +/- 5% tolerance.

- 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



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
TQ3SW			ENC													

Sample Part Number: TQ3SW-5.0-30-ENC-WO-TL-P1-BW-BW-BK-CL2-SST-ST-48"-E

1

PRODUCT

TQ3SW

See last page for compatible power supplies.

2

WATTS/FT

1.51.5W/ft

3.03.0W/ft

4.04.0W/ft

5.05.0W/ft

1.5HE1.5W/ft HE

3.0HE3.0W/ft HE

6.0HE6.0W/ft HE

3

CCT

242400K

272700K

303000K

353500K

404000K

4

RATED

ENC IP67

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

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

BWBare Wire (Standard 24")

BRLBarrel

CON6Connector 6"

CON24Connector 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)

BWBare Wire (Standard 24")

BRLBarrel

CON6Connector 6"

CON24Connector 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)

BWBare Wire (Standard 24")

BRLBarrel

CON6Connector 6"

CON24Connector 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

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

WHWhite

BKBlack

N/AFor Barrel

13

WIRE TYPE

CL2Class 2

CL2PPlenum Rated

N/AFor Barrel

CL2P only available with bare wire leads (BW)

14

MOUNTING

SSTStainless Steel

MGMagnet

M4Low Profile Magnet

15

FINISH

STSatin

BKBlack

BZBronze

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

E

Optimal Illumination

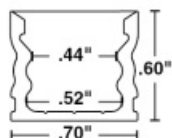
Exact Specified Length

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

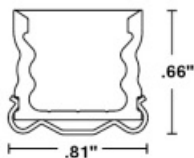
Optimal fixtures' length is rounded down with illumination end to end.

See Exact/Optimal Fixture Length charts.

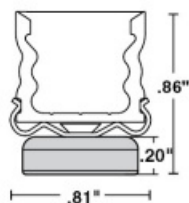
PRODUCT – DIMENSIONS



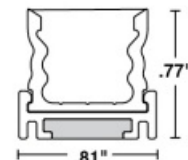
Profile



Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet

DELIVERED LUMENS

[Calculated L70 = 40000 hrs]

Tested with TQ3SW-**-30-ENC-STD

	1.5 W/FT	1.5HE W/FT	3.0 W/FT	3.0HE W/FT	4.0 W/FT	5.0 W/FT	6.0HE W/FT
	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT
CL	110	142	192	260	239	291	493
TL	91	118	159	216	198	241	409

[Calculated L70 = 40000 hrs]

Tested with TQ3SW-**-30-ENC-WO

	1.5 W/FT	1.5HE W/FT	3.0 W/FT	3.0HE W/FT	4.0 W/FT	5.0 W/FT	6.0HE W/FT
	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT	LM/FT
CL	129	167	225	305	280	341	578
TL	114	147	198	269	246	300	509

DIODE VISIBILITY



ENC/CL - Clear encapsulation

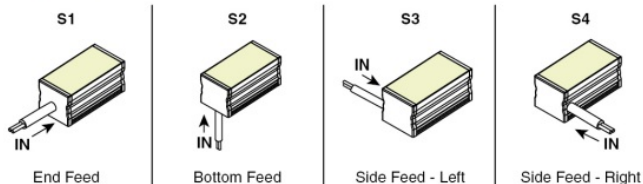
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

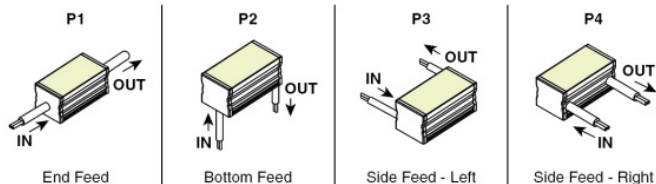
Light Engine (LED Strip)	W/FT	Minimum Limit (°F)	Maximum Limit (°F)
Static White	1.5	-40	138
	3.0	-40	124
	4.0	-40	115
	5.0	-40	108
Static White High Efficacy	1.5HE	-40	152
	3.0HE	-40	140
	6.0HE	-40	118

WIRE INPUT/OUTPUT

SINGLE (Input only)



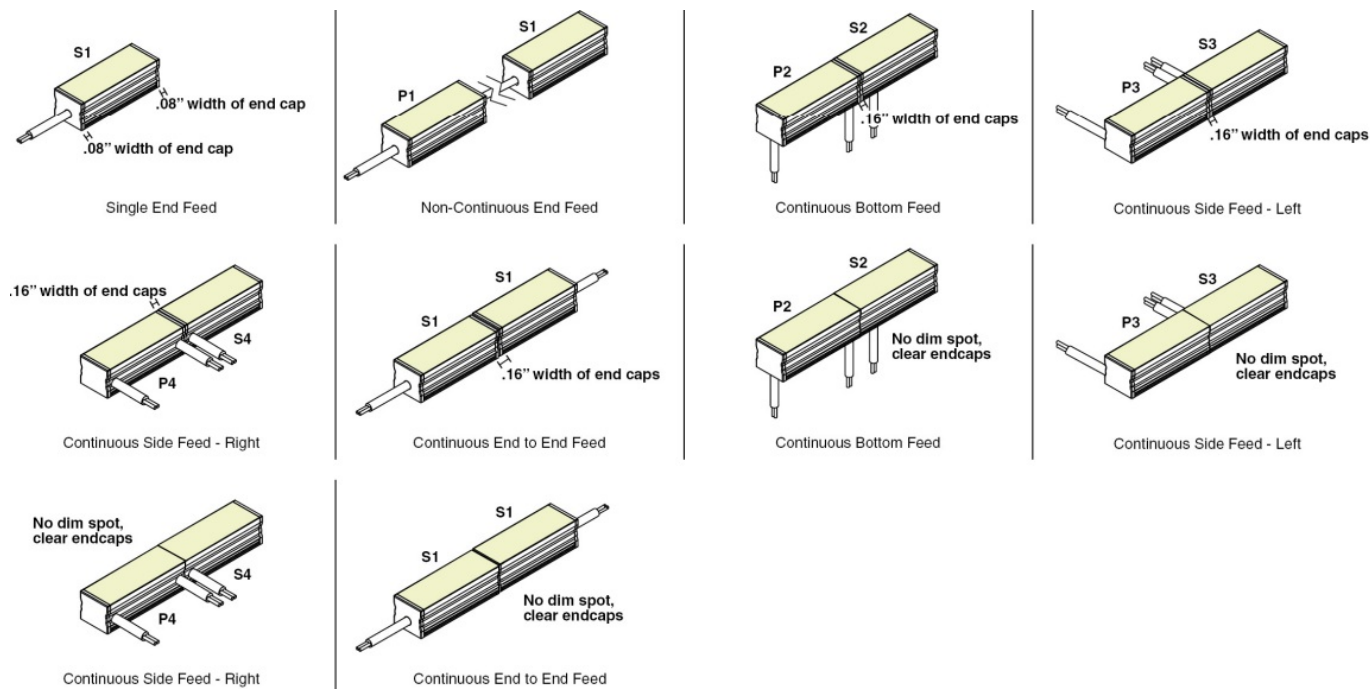
PASS THROUGH (Input/Output)



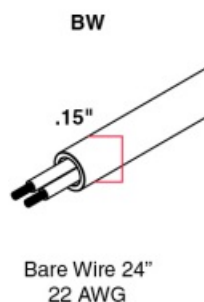
TORQ-ENCAPSULATED (03) STATIC WHITE

Linear Fixtures – Surface

CONFIGURATION OPTIONS

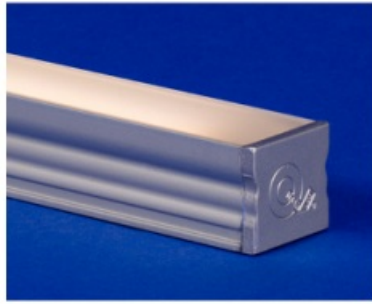


8/9CONNECTOR/WIRE-IN/OUT



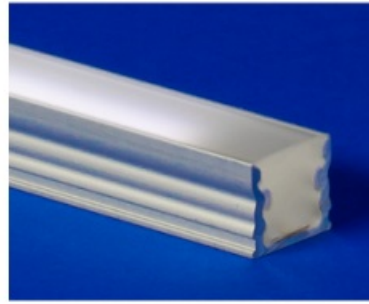
10 / 11 END CAP – IN/OUT

STD



End cap matches fixture
finish chosen

CL



Clear end cap

12 WIRE COLOR

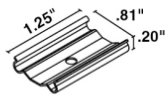
14 MOUNTING

15 FINISH



White
Black

SST



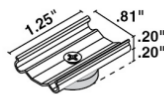
Stainless Steel Clip

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

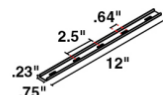
MG



Magnet Clip

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

MMA-01



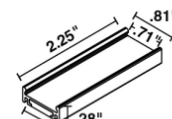
Magnet Mount
Accessory of MG-01

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

M4



Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04



Satin
Black
Bronze

17 EXACT/OPTIMAL FIXTURE LENGTH

EXAMPLES OF 12" OPTIMIZED STATIC WHITE FIXTURES WITH DIFFUSED LENS



S1 & S2



P1 & P2



S3 & S4



P3 & P4

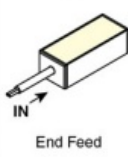
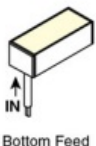
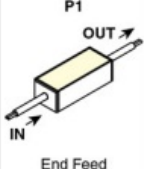
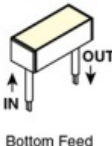
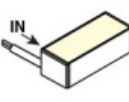
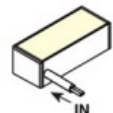
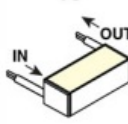
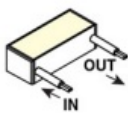
SW ENC LENGTHS BY INCH

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"	.5"
13"	.5"
14"	.5"
15"	.5"
16"	.5"
17"	.5"
18"	.5"
19"	.5"
20"	.5"
21"	.5"
22"	.5"
23"	.5"
24"	.5"
36"	.5"
48"	.5"
60"	.5"
72"	.5"
84"	.5"
96"	.5"

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"	11.5"		11.75"		11.375"		11.375"	
13"	12.5"		12.75"		12.375"		12.375"	
14"	13.5"		13.75"		13.375"		13.375"	
15"	14.5"		14.75"		14.375"		14.375"	
16"	15.5"		15.75"		15.375"		15.375"	
17"	16.5"		16.75"		16.375"		16.375"	
18"	17.5"		17.75"		17.375"		17.375"	
19"	18.5"		18.75"		18.375"		18.375"	
20"	19.5"		19.75"		19.375"		19.375"	
21"	20.5"		20.75"		20.375"		20.375"	
22"	21.5"		21.75"		21.375"		21.375"	
23"	22.5"		22.75"		22.375"		22.375"	
24"	23.5"		23.75"		23.375"		23.375"	
36"	35.5"		35.75"		35.375"		35.375"	
48"	47.5"		47.75"		47.375"		47.375"	
60"	59.5"		59.75"		59.375"		59.375"	
72"	71.5"		71.75"		71.375"		71.375"	
84"	83.5"		83.75"		83.375"		83.375"	
96"	95.5"		95.75"		95.375"		95.375"	

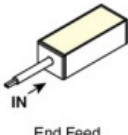
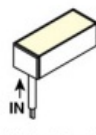
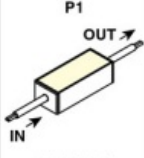
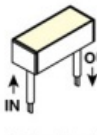
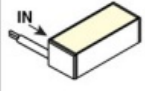
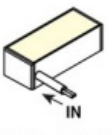
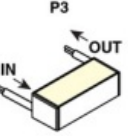
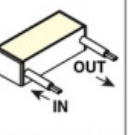
SW-HE ENC LENGTHS BY INCH

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	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1	Q6M-DC+CAP QTM-DC+CAP iQ-PH iQ-PH+QD1	QOM-DC+CAP QOM-PH iQ-PH	QOM-DC+CAP QOM-PH iQ-PH
0.1%	QTM-eLED+0-10V QTM-eLED+AN QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	QTM-eLED+0-10V QTM-eLED+AN QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-DMX QZ-PH/0-10V	Q-SET-QZ-DMX Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-DMX QZ-PH/0-10V
1%	QTM-eLED(E) QTM-eLED(L) QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QTM-eLED(E) QTM-eLED(L) QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QOM-eLED+DALI-DT6	QOM-eLED+DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle	Q-HEX-mini-DC Q-SET-mLED	


DIMMING PROTOCOL	INDOOR		OUTDOOR	
	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+	SW24/1.5-4.0	SW24/5.0, SW-HE, SW-HE+

Non-Dim	QTM-eLED-ND QZ-ND	QTM-eLED-ND QZ-ND	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND iQ-ND-50-65	Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND iQ-ND-50-65
Phase	Q6M-DC+CAP QTM-D C+CAP QTM-eLED(E) QTM-eLED(L) QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1	Q6M-DC+CAP QTM-D C+CAP QTM-eLED(E) QTM-eLED(L) QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH iQ-PH+QD1	Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-D C+CAP QOM-PH QZ-PH/0-10V iQ-PH	Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PH/0-10V iQ-PH
0-10V	QTM-eLED+0-10V QTM-eLED+AN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	QTM-eLED+0-10V QTM-eLED+AN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V	Q-SET-QZ-PH/0-10V Q-SET-eLED+0-10V QOM-eLED+0-10V QZ-PH/0-10V
Lutron Athena	QTM-eLED+AN QTM-eLED+DALI-DT6-AN	QTM-eLED+AN QTM-eLED+DALI-DT6-AN		
ECO System	QTM-eLED(E)	QTM-eLED(E)		
DMX	QZ-DMX	QZ-DMX	Q-SET-QZ-DMX QZ-DMX	Q-SET-QZ-DMX QZ-DMX
DALI-2: DT6	QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AN	QOM-eLED+DALI-DT6	QOM-eLED+DALI-DT6

SCENE App Dimmed	Non-Dim Power Supply with SW App Dongle	Non-Dim Power Supply with SW App Dongle		
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COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M

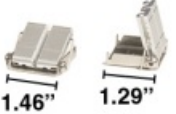


1.41"

.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

COMPATIBLE WIRING ACCESSORIES

Q-mini-J




2"

1.25"


UL Listed, miniature junction box

BARREL-EXT




8ft barrel cable extender

BARREL FOUR-FER



Splits lead from one to four LED Barrel connector fixtures

CON-EXT



10ft Con cable extender

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



1.36"

2.58"

Wi-Fi or Bluetooth Connectivity



[Q-TRAN TQ3SW-1.5 Torq Encapsulated](#) [pdf] Owner's Manual
TQ3SW-1.5 Torq Encapsulated, TQ3SW-1.5, Torq Encapsulated, Encapsulated

References

- [🌐 Your Name as Your Email | Hover Realnames](#)
- [🔍 LED Lighting Systems, Linear LED Lights, LED transformers | Q-Tran](#)
- [🔍 LED Lighting Systems, Linear LED Lights, LED transformers | Q-Tran](#)
- [User Manual](#)