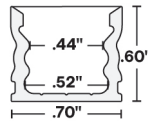
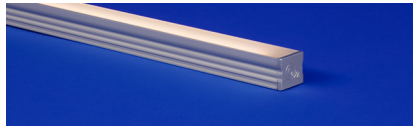




ESSENTIALS TORQ- ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

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
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations
- Used in applications where CCT and brightness need to be controlled separately
- When using DALI and DMX power supplies, LED wattage must be doubled



Declare.



| 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 |
| TQ3DW | | | ENC | | | | | | | | | | | | | |

Sample Part Number: **TQ3DW-6.0-24/30-ENC-WO-TL-P1-BW-BW-STD-STD-BK-CL2-SST-BK-48"-E**

| | | | | | |
|---|---|---|--|---|--|
| <div><div>1</div><div>PRODUCT</div><div>TQ3DW</div><div>LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.</div></div> | <div><div>2</div><div>WATTS/FT</div><div><div>1.5HE1.5W/ft HE</div><div>2.5HE2.5W/ft HE</div></div></div> | <div><div>3</div><div>CCT</div><div><div>24/302400K/3000K</div><div>27/402700K/4000K</div></div></div> | <div><div>4</div><div>RATED</div><div>ENCIP67</div></div> | <div><div>5</div><div>EFFICIENCY</div><div><div>STDStandard</div><div>WOWhite Optics</div><div>WhiteOptics - Internal coating, greater lumen output</div></div></div> | <div><div>6</div><div>LENS</div><div><div>CLClear</div><div>TLTranslucent</div><div>For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages</div></div></div> |
| <div><div>7</div><div>WIRE INPUT/OUTPUT</div><div><div>S1Single 1 (Input only) - End Feed</div><div>S2Single 2 (Input only) - Bottom Feed</div><div>S3Single 3 (Input only) - Left Side Feed</div><div>S4Single 4 (Input only) - Right Side Feed</div><div>For continuous mounting, consider bottom or side feed</div></div><div><div>P1Pass Through 1 (Input/output) - End Feed</div><div>P2Pass Through 2 (Input/output) - Bottom Feed</div><div>P3Pass Through 3 (Input/output) - Left Side Feed</div><div>P4Pass Through 4 (Input/output) - Right Side Feed</div><div>For continuous mounting, consider bottom or side feed</div></div></div> | <div><div>8</div><div>CONNECTOR/WIRE IN</div><div><div>BWBare Wire (Standard 24")</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div><div>BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div><div><div>BWBare Wire (Standard 24")</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div><div>BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div></div> | <div><div>9</div><div>CONNECTOR/WIRE OUT</div><div><div>CLS</div><div>Closed End (No feed)</div></div><div><div>BWBare Wire (Standard 24")</div><div>CON6Connector 6"</div><div>CON24Connector 24"</div><div>BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div></div> | | | |
| <div><div>10</div><div>INPUT END CAP</div><div><div>STDStandard</div><div>CLClear</div><div>STD - End cap matches fixture finish chosen</div><div>Select CL for continuous runs</div></div></div> | <div><div>11</div><div>OUTPUT END CAP</div><div><div>STDStandard</div><div>CLClear</div><div>STD - End cap matches fixture finish chosen</div><div>Select CL for continuous runs</div></div></div> | <div><div>12</div><div>WIRE COLOR</div><div><div>WHWhite</div><div>BKBlack</div></div></div> | <div><div>13</div><div>WIRE TYPE</div><div><div>CL2Class 2</div><div>CL2PPlenum Rated</div><div>CL2P only available with bare wire leads (BW)</div></div></div> | | |
| <div><div>14</div><div>MOUNTING</div><div><div>SSTStainless Steel</div><div>M4Low Profile Magnet</div><div>MGMagnet</div></div></div> | <div><div>15</div><div>FINISH</div><div><div>STSatin</div><div>BKBlack</div><div>BZBronze</div><div>CUCustom</div></div></div> | <div><div>16</div><div>LENGTH (IN)</div><div>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".</div></div> | <div><div>17</div><div>EXACT/OPTIMAL</div><div><div>O</div><div>E</div><div>Optimal Illumination</div><div>Exact Specified Length</div><div>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.</div></div></div> | | |

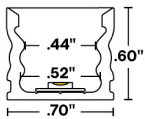
5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | IK10 rated



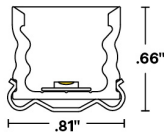
ESSENTIALS TORQ-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

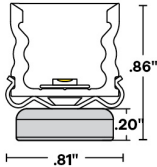
1 PRODUCT - DIMENSIONS



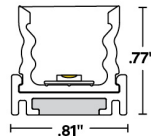
Profile



Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet

2 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 | 96 | 98 | 151 | 98 |
| TL | 80 | 98 | 127 | 98 |

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

| | 1.5HE W/FT | | 2.5HE W/FT | |
|----|------------|-----|------------|-----|
| | LM/FT | CRI | LM/FT | CRI |
| CL | 103 | 98 | 163 | 98 |
| TL | 91 | 98 | 143 | 98 |

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

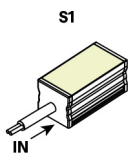
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

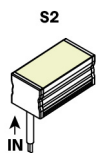
| | DW 1.5 HE W/FT | | | | DW 2.5 HE W/FT | | | |
|----------------------------------|--|-------|---------------------------------------|-------|--|-------|---------------------------------------|-------|
| | Q-Tran power supply other than DALI, DMX | | DALI, DMX, or non-Q-Tran power supply | | Q-Tran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

7 WIRE INPUT/OUTPUT

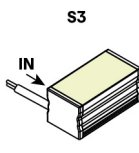
SINGLE (Input only)



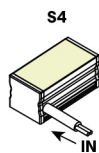
End Feed



Bottom Feed

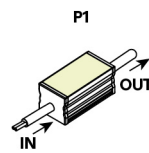


Side Feed - Left

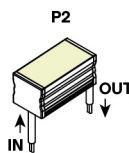


Side Feed - Right

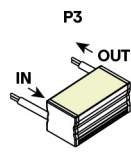
PASS THROUGH (Input/Output)



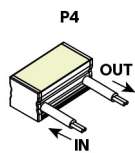
End Feed



Bottom Feed



Side Feed - Left



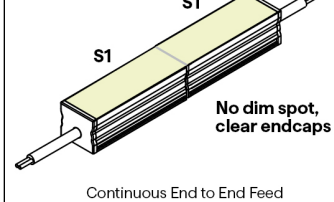
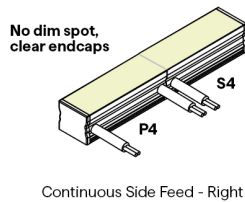
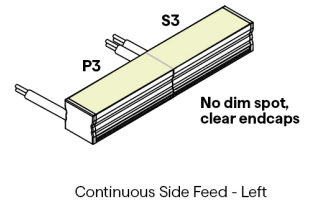
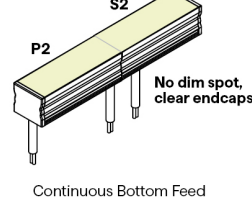
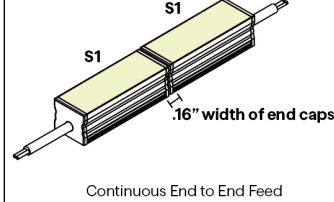
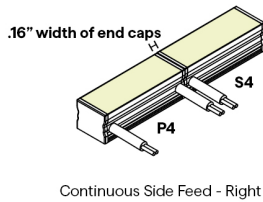
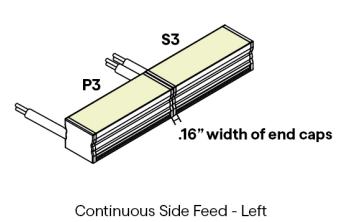
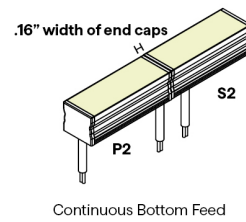
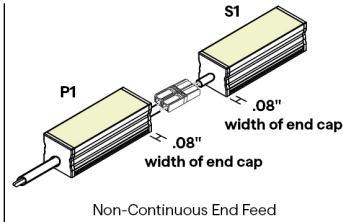
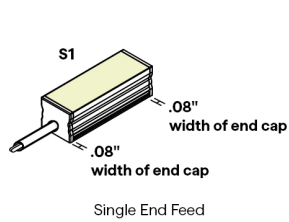
Side Feed - Right



ESSENTIALS TORQ-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

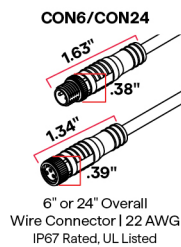
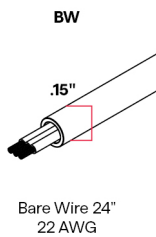
24VDC Linear Fixtures - Surface & Recessed

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) FOR TUNABLE APPLICATIONS

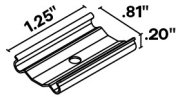
24VDC Linear Fixtures - Surface & Recessed

12 WIRE COLOR



14 MOUNTING

SST



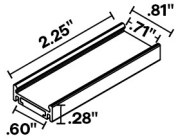
Stainless Steel Clip

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

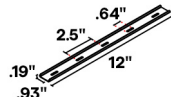


Low Profile Magnet

One M4 provided per foot

To order separately use MG-04

MMA-04



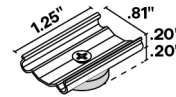
Magnet Mount Accessory for M4

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

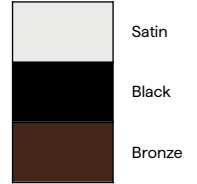


Magnet Clip

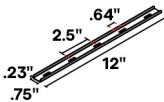
One MG provided per foot

To order separately use MG-01

15 FINISH



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

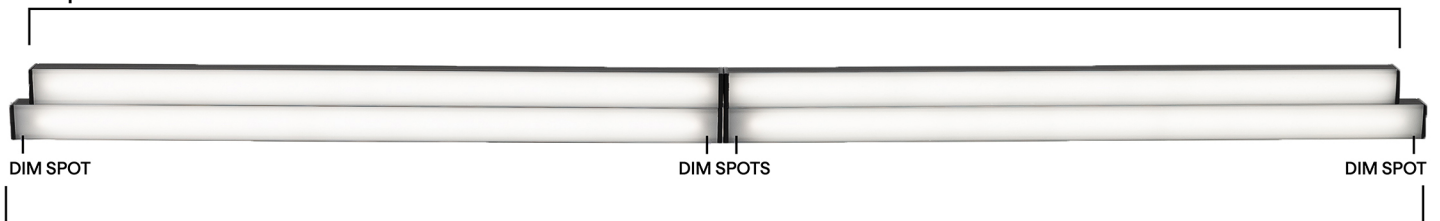
17 EXACT/OPTIMAL FIXTURE LENGTH

[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.

Optimal Fixtures



Exact Fixtures



ESSENTIALS TORQ-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

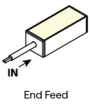
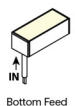
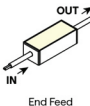
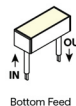
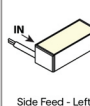
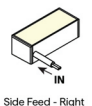
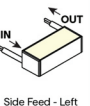
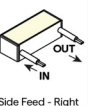
DW-HE ENC LENGTHS BY INCH

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 | 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" | 10.51" | | 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 |
|--------------|---|---|
| | DW-HE Tunable Applications | DW-HE Tunable Applications |
| 0.1% | QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN QZ-DMX | Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW QZ-DMX |
| 1% | QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8 QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with TW App Dongle | |




ESSENTIALS TORQ-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|--|---|---|
| | DW-HE Tunable Applications | DW-HE Tunable Applications |
| O-10V | QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN | QOM-eLED+TW |
| Lutron Athena | QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN | |
| DMX LED wattage must be doubled for DW-HE products | QZ-DMX | Q-SET-QZ-DMX QZ-DMX |
| DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6 | QOM-eLED+DALI-DT6 |
| DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN | QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8 |
| SCENE App Dimmed | Non-Dim Power Supply with TW App Dongle | |

COMPATIBLE MOUNTING ACCESSORIES

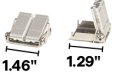
HINGE - HMB-M



1.41"
.71"

Adjustable mounting bracket - Medium


HINGE - HMB-L



1.46"
1.29"

Adjustable mounting bracket - Large


HINGE - HMB-XL



1.46"
4"

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



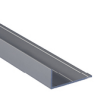
J Mounting Bracket

NU-LARGE



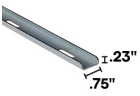
U Mounting Bracket

BL-LARGE



Backwards L Mounting Bracket

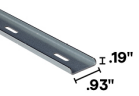
MMA-01



1.23"
.75"

Magnet Mount Accessory of MG-01

MMA-04

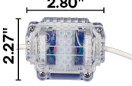


1.19"
.93"

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)



ESSENTIALS TORQ-ENCAPSULATED (03) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage