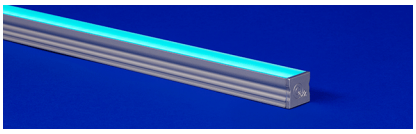
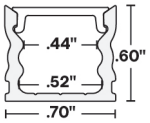
# ESSENTIALS TORQ-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed






- Surface mount linear fixture
- Choose from diffused, polar, or frosted lens options 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 allows for color changing applications
- Features 7 diodes per 2" cut point
- Optional plastic louver accessory available in white or black for added glare control

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| 1 PRODUCT | 2 WATTS/ FT | 3 CCT | 4 RATED | 5 EFFICIENCY | 6 LENS |
|---|---|---|---|---|---|
| TQ1RGB | 6.0 | RGB | | | |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| 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: **TQ1RGB-6.0-RGB-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

## 1 PRODUCT

**TQ1RGB**

See following pages for compatible power supplies.

## 2 WATTS/FT

**6.0** 6.0W/ft

## 3 CCT

**RGB**

## 4 RATED

**DRY** IP20
**DMP** IP54

## 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

**SINGLE (Input only)**
**S1** End Feed
**S2** Bottom Feed
**S3** Left Side Feed
**S4** Right Side Feed

**PASS THROUGH (Input/output)**
**P1** End Feed
**P2** Bottom Feed
**P3** Left Side Feed
**P4** 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 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.

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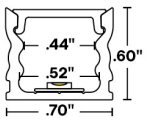
Specification subject to change. Rev-05-14-26

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

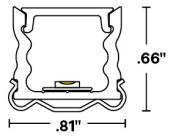
# ESSENTIALS TORQ-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

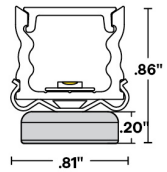
## 1 PRODUCT - DIMENSIONS



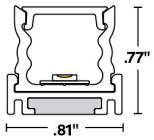

Profile



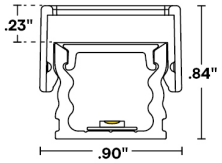

Profile with flat lens, stainless steel mounting clip, and mounting tray



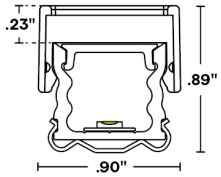

Profile with flat lens and magnet mounting clip



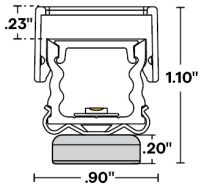

Profile with flat lens and low profile magnet



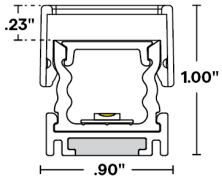

Profile with plastic louver




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 = 55000 hrs]
Tested with TQ1RGB-6.0-RGB-DRY-STD

| | Red | | Green | | Blue | | All |
|---|---|---|---|---|---|---|---|
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT |
| FR | 69 | 633 | 139 | 523 | 39 | 469 | 224 |
| PR | 62 | 633 | 125 | 523 | 35 | 469 | 201 |
| DF | 56 | 633 | 113 | 523 | 32 | 469 | 182 |

[Calculated L70 = 55000 hrs]
Tested with TQ1RGB-6.0-RGB-DRY-WO

| | Red | | Green | | Blue | | All |
|---|---|---|---|---|---|---|---|
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT |
| FR | 76 | 633 | 153 | 523 | 43 | 469 | 246 |
| PR | 68 | 633 | 138 | 523 | 39 | 469 | 222 |
| DF | 61 | 633 | 123 | 523 | 35 | 469 | 197 |

## 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-05-14-26

# ESSENTIALS TORQ-FLAT (01) RGB

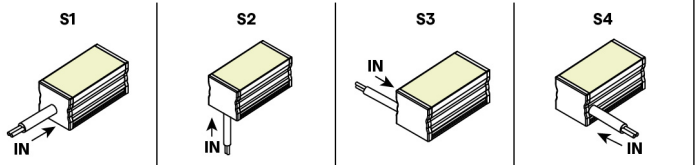
24VDC Linear Fixtures - Surface & Recessed

## TEMPERATURE RATINGS

| | | 6.0 W/FT | |
|---|---|---|---|
| | | Min | Max |
| DRY | Ambient Operating Temp - Surface | -13°F | 110°F |
| DMP | Ambient Operating Temp - Surface | -13°F | 110°F |

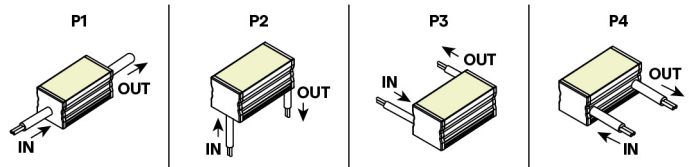
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



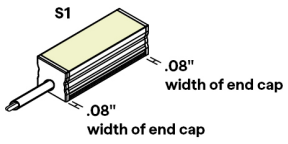

End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

PASS THROUGH (Input/Output)

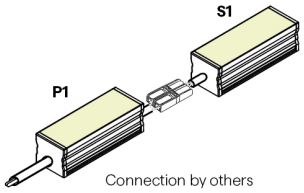



End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

## CONFIGURATION OPTIONS

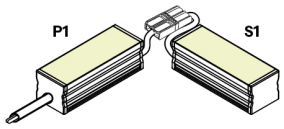



Single End Feed



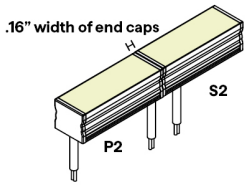

Connection by others

Non-Continuous End Feed

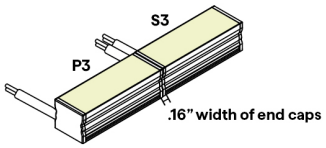



Connection by others

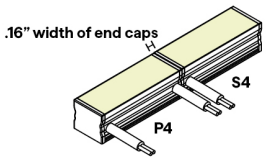
Non-Continuous Corner Feed



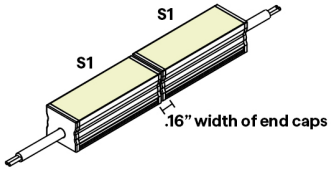

Continuous Bottom Feed




Continuous Side Feed - Left



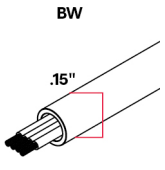

Continuous Side Feed - Right




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

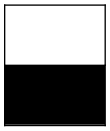



Bare Wire 24"
22 AWG




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

## 10 WIRE COLOR



White

Black

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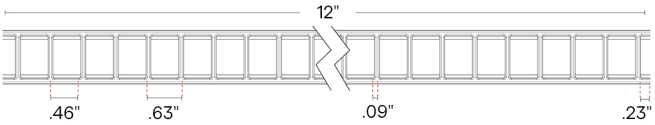
Specification subject to change. Rev-05-14-26

# ESSENTIALS TORQ-FLAT (01) RGB

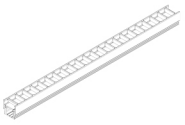
24VDC Linear Fixtures - Surface & Recessed

## EXTERNAL LOUVER ACCESSORY

**PLASTIC**

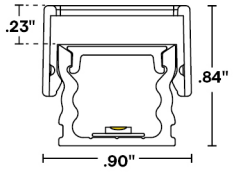



**L1-XX**



Lumen Multiplier

| WH | BK |
|---|---|
| 0.71 | 0.53 |

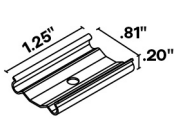



Profile with plastic louver

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

## 12 MOUNTING

**SST**



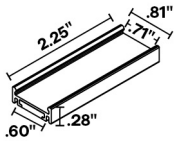

Stainless Steel Clip

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**

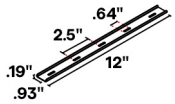



Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

**MMA-04**



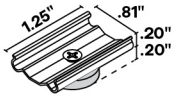

Magnet Mount Accessory for M4

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**

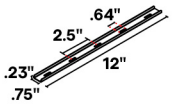



Magnet Clip

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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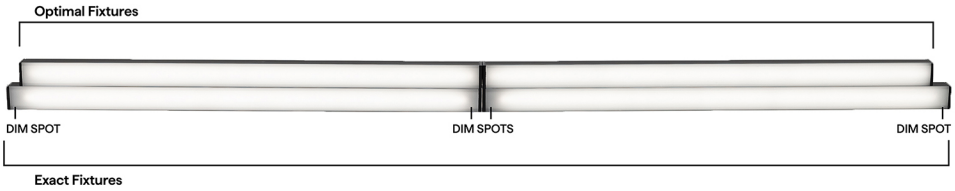
# ESSENTIALS TORQ-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

## 14 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.




## RGB DRY DMP LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture |
|---|---|
| | S1 / IN / End Feed |
| 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 | |
|---|---|---|---|---|---|---|---|---|
| | S1 / IN | S2 / IN | P1 / OUT / IN | P2 / IN / OUT | S3 / IN | S4 / IN | P3 / IN / OUT | P4 / IN / OUT |
| | End Feed | Bottom Feed | End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right | Side Feed - Left | 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 |
|---|---|
| | RGB |
| 0.1% | QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DMX<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DMX<br>QZ-DMX |
| 1% | QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with RGB App Dongle |

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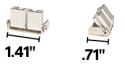
# ESSENTIALS TORQ-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

| DIMMING PROTOCOL | INDOOR |
|---|---|
| | RGB |
| DMX | QTM-eLED+DMX<br>QZ-DMX |
| DALI-2: DT8 | QT-CAB-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8<br>QZ-DALI-DT8 |

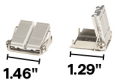
## COMPATIBLE MOUNTING ACCESSORIES

**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**



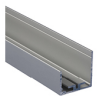
Double sided mounting tape

**NJ-MEDIUM**



J Mounting Bracket

**NJ-LARGE**



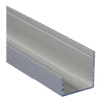
J Mounting Bracket

**NU-LARGE**



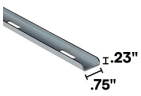
U Mounting Bracket

**SD-J-LARGE**



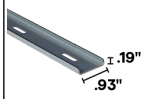
J Mounting Bracket

**MMA-01**




Magnet Mount Accessory of MG-01

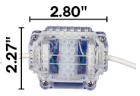
**MMA-04**




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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