



ESSENTIALS TORQ-OPTICS (02)

RGB

24VDC Linear Fixtures - Surface & Recessed

white
optics

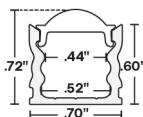
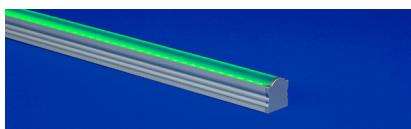


RoHS
COMPLIANT

5 YEAR
WARRANTY

Declare.

Red List
Approved



- Surface mount linear fixture for grazing
- Choose from a 12° or 40° beam angle
- Mounting tray available
- Features all wire feed options
- Ideal for direct and indirect applications
- 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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1 PRODUCT | 2 WATTS/ FT | 3 CCT | 4 RATED | 5 EFFICIENCY | 6 LENS |
|--------------|----------------|----------|------------|-----------------|-----------|
| TQ2RGB | 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: TQ2RGB-6.0-RGB-DRY-WO-12-P1-BW-BW-BK-CL2-SST-BK-48"-E

| | | | | | |
|---|---|---|---|---|---|
| 1 PRODUCT TQ2RGB 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 White Optics WhiteOptics - Internal coating, greater lumen output | 6 LENS 12 Optical 12° 40 Optical 40° DRY or DMP only 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 SINGLE (Input only) S1 End Feed S2 Bottom Feed S3 Left Side Feed S4 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: 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) | 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. | |

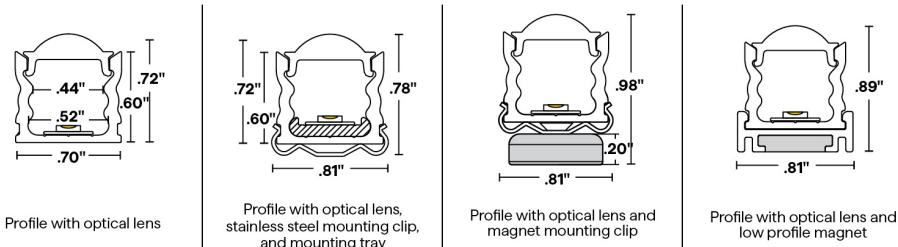
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



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1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

[Calculated L70 = 55000 hrs]
Tested with TQ2RGB-6.0-RGB-DRY-STD

| | Red | | Green | | Blue | | All | |
|----|-------|------------|-------|------------|-------|------------|-------|--|
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | |
| 12 | 72 | 633 | 145 | 523 | 41 | 469 | 234 | |
| 40 | 90 | 633 | 182 | 523 | 51 | 469 | 292 | |

[Calculated L70 = 55000 hrs]
Tested with TQ2RGB-6.0-RGB-DRY-WO

| | Red | | Green | | Blue | | All | |
|----|-------|------------|-------|------------|-------|------------|-------|--|
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | |
| 12 | 75 | 633 | 152 | 523 | 43 | 469 | 243 | |
| 40 | 94 | 633 | 190 | 523 | 54 | 469 | 305 | |

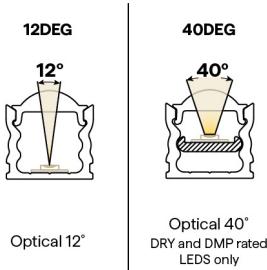
6 DIODE VISIBILITY



Optical lens

PHOTOMETRIC PERFORMANCE

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



TEMPERATURE RATINGS

| | | 6.0 W/FT | |
|-----|----------------------------------|----------|-------|
| | | Min | Max |
| DRY | Ambient Operating Temp - Surface | -13°F | 110°F |
| DMP | Ambient Operating Temp - Surface | -13°F | 105°F |

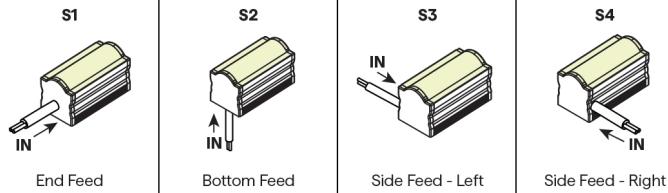


ESSENTIALS TORQ-OPTICS (02) RGB

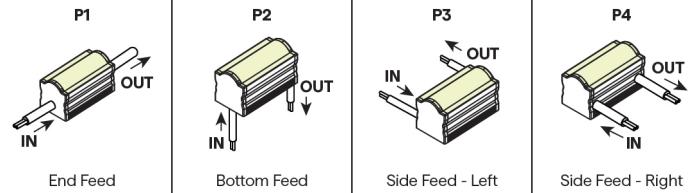
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7 WIRE INPUT/OUTPUT

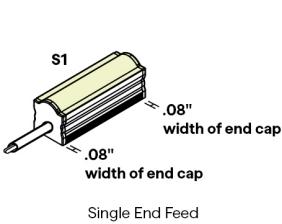
SINGLE (Input only)



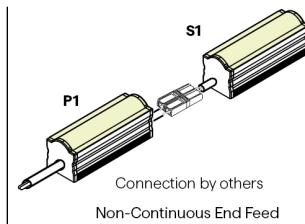
PASS THROUGH (Input/Output)



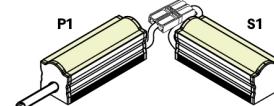
CONFIGURATION OPTIONS



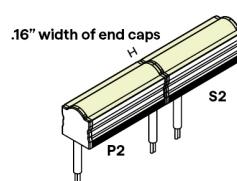
Single End Feed



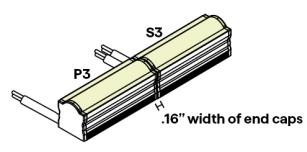
Non-Continuous End Feed



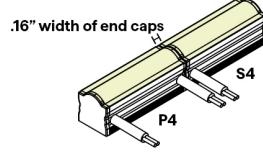
Non-Continuous Corner Feed



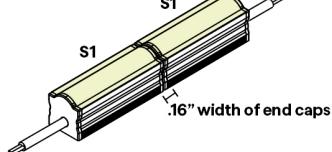
Continuous Bottom Feed



Continuous Side Feed - Left



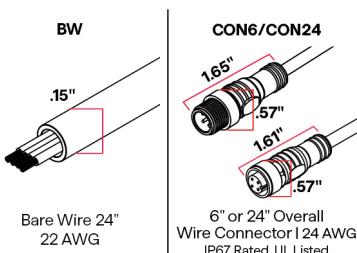
Continuous Side Feed - Right



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



10 WIRE COLOR



White

Black



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12 MOUNTING

| SST | M4 | MMA-04 | MG |
|--|--|--|---|
| | | | |
| Satin Steel Clip | Low Profile Magnet | Magnet Mount Accessory for M4 | Magnet 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 | One M4 provided per foot. To order separately use MG-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 | One MG provided per foot To order separately use MG-01 |

13 FINISH



Custom finishes require a longer lead time, consult factory

Custom finishes require a longer lead time, consult factory

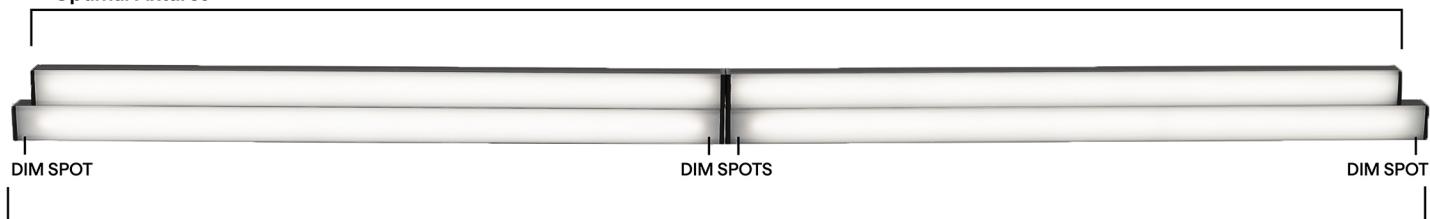
MMA-01

| |
|--|
| |
| 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 |

15 EXACT/OPTIMAL FIXTURE LENGTH

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



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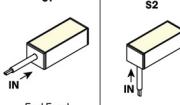
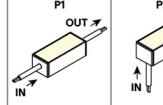
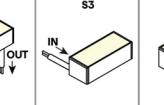
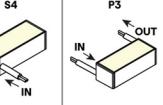
RGB DRY, DMP LENGTHS BY INCH

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 $\pm 0 - 1/8"$. 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 |
|--------------------------|---|---|--|---|
| |  End Feed |  End Feed |  Side Feed - Left |  Side Feed - Left |
| 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 $\pm 5\%$ tolerance.

| DIM TO LEVEL | INDOOR |
|--------------|--|
| | RGB |
| 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 RGB App Dongle |

| DIMMING PROTOCOL | INDOOR |
|------------------|--|
| | RGB |
| 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 RGB App Dongle |



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COMPATIBLE MOUNTING ACCESSORIES

| | | | | | | | | | |
|---------------|---------------|----------------|------------|-------------|--------------------|--------------------|------------------------------|--------------------|-----------|
| HINGE - HMB-M | HINGE - HMB-L | HINGE - HMB-XL | Q-PIVOT | Q-ANGLE | NU-GRAZER | NJ-GRAZER | BL-GRAZER | NJ-MEDIUM | MMA-01 |
| 1.41" .71" | 1.46" 1.29" | 1.46" 4" | .75" 1.03" | 2.23" 1.38" | U Mounting Bracket | J Mounting Bracket | Backwards L Mounting Bracket | J Mounting Bracket | .23" .75" |

Adjustable mounting bracket - Medium

Adjustable mounting bracket - Large

Adjustable mounting bracket - XLarge

Small mounting accessory

Adjustable mounting accessory

U Mounting Bracket

J Mounting Bracket

MMA-04



Magnet Mount Accessory of MG-04

COMPATIBLE WIRING ACCESSORIES



UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

COMPATIBLE CONTROL ACCESSORIES



Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage