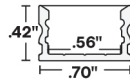
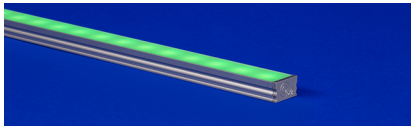




ESSENTIALS LALO- ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed



- Shallow, low-profile fixture for surface or recessed installations
- 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)
- Three mounting options
- Features painted end caps to match extrusion finish or clear end caps to achieve seamless appearance of long runs
- Red, Green, and Blue LED allows for color changing applications
- Features 7 diodes per 2" cut point

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---------|----------|-----|-------|------------|------|-----------------|-------------------|---------------------|----------------------|---------------|----------------|------------|-----------|----------|--------|-------------|---------------|
| PRODUCT | WATTS/FT | CCT | RATED | EFFICIENCY | LENS | EXTERNAL LOUVER | 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 |
| LL3RGB | 6.0 | RGB | ENC | STD | | | | | | | | | | | | | |

Sample Part Number: LL3RGB-6.0-RGB-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SST-ST-48"-E

| | | | | | | |
|---|---|--|--|---|---|--|
| <div>1</div> <div>PRODUCT</div> <div>LL3RGB</div> <div>See following pages for compatible power supplies.</div> | <div>2</div> <div>WATTS/FT</div> <div>6.06.0W/ft</div> | <div>3</div> <div>CCT</div> <div>RGB</div> | <div>4</div> <div>RATED</div> <div>ENC IP67</div> | <div>5</div> <div>EFFICIENCY</div> <div>STDStandard</div> | <div>6</div> <div>LENS</div> <div>CLClear 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>7</div> <div>EXTERNAL LOUVER</div> <div>L1-WHWhite Plastic L1-BKBlack Plastic N/ANo Louver</div> <div>Louvers are shipped separately and require field assembly</div> |
| <div>8</div> <div>WIRE INPUT/OUTPUT</div> <div>S1Single 1 (Input only) - End Feed S2Single 2 (Input only) - Bottom Feed</div> <div>For continuous mounting, consider bottom feed</div> <div>P1Pass Through 1 (Input/output) - End Feed P2Pass Through 2 (Input/output) - Bottom Feed</div> <div>For continuous mounting, consider bottom feed</div> | <div>9</div> <div>CONNECTOR/WIRE IN</div> <div>BWBare Wire (Standard 24") CON6Connector 6" CON24Connector 24"</div> <div>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)</div> <div>BWBare Wire (Standard 24") CON6Connector 6" CON24Connector 24"</div> <div>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)</div> | <div>10</div> <div>CONNECTOR/WIRE OUT</div> <div>CLS</div> <div>Closed End (No feed)</div> <div>BWBare Wire (Standard 24") CON6Connector 6" CON24Connector 24"</div> <div>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)</div> | <div>11</div> <div>INPUT END CAP</div> <div>STDStandard CLClear</div> <div>STD - End cap matches fixture finish chosen Select CL for continuous runs</div> | <div>12</div> <div>OUTPUT END CAP</div> <div>STDStandard CLClear</div> <div>STD - End cap matches fixture finish chosen Select CL for continuous runs</div> | <div>13</div> <div>WIRE COLOR</div> <div>WHWhite BKBlack</div> | <div>14</div> <div>WIRE TYPE</div> <div>CL2Class 2 CL2PPlenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div> |
| <div>15</div> <div>MOUNTING</div> <div>SSTStainless Steel M4Low Profile Magnet MGMagnet</div> | <div>16</div> <div>FINISH</div> <div>STSatin BKBlack CUCustom</div> | <div>17</div> <div>LENGTH (IN)</div> <div>Fixture length min 12", max 98.43" not including end caps. Tolerance +0 – 1/8". Consult factory for lengths under 12".</div> | <div>18</div> <div>EXACT/OPTIMAL</div> <div>O E</div> <div>Optimal Illumination Exact Specified Length</div> <div>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.</div> | | | |

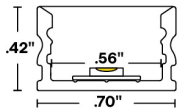
5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | IK10 rated



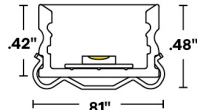
ESSENTIALS LALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed

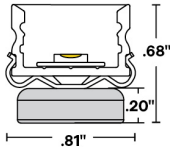
1 PRODUCT - DIMENSIONS



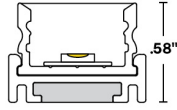
Profile



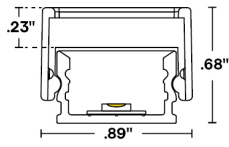
Profile with stainless steel mounting clip



Profile with magnet mounting clip



Profile with low profile magnet



Profile with plastic louver

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with LL3RGB-6.0-RGB-ENC-STD

| | Red | | Green | | Blue | | All |
|----|-------|------------|-------|------------|-------|------------|-----|
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | |
| CL | 59 | 633 | 119 | 523 | 34 | 469 | 191 |
| TL | 34 | 633 | 68 | 523 | 19 | 469 | 109 |

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

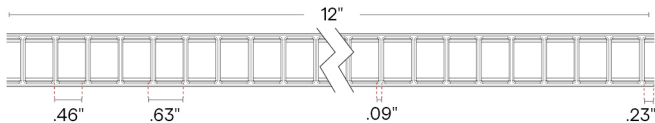
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

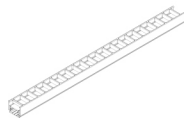
| | 6.0 W/FT | |
|----------------------------------|----------|------|
| | Min | Max |
| Ambient Operating Temp - Surface | -13°F | 95°F |

7 EXTERNAL LOUVER

PLASTIC



L1-XX



Lumen Multiplier

WH

BK

0.72

0.53

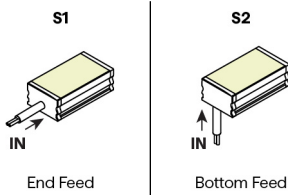


ESSENTIALS LALO-ENCAPSULATED (03) RGB

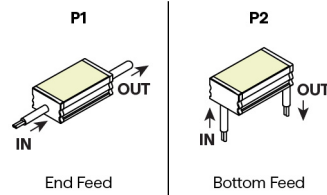
24VDC Linear Fixtures - Surface & Recessed

8 WIRE INPUT/OUTPUT

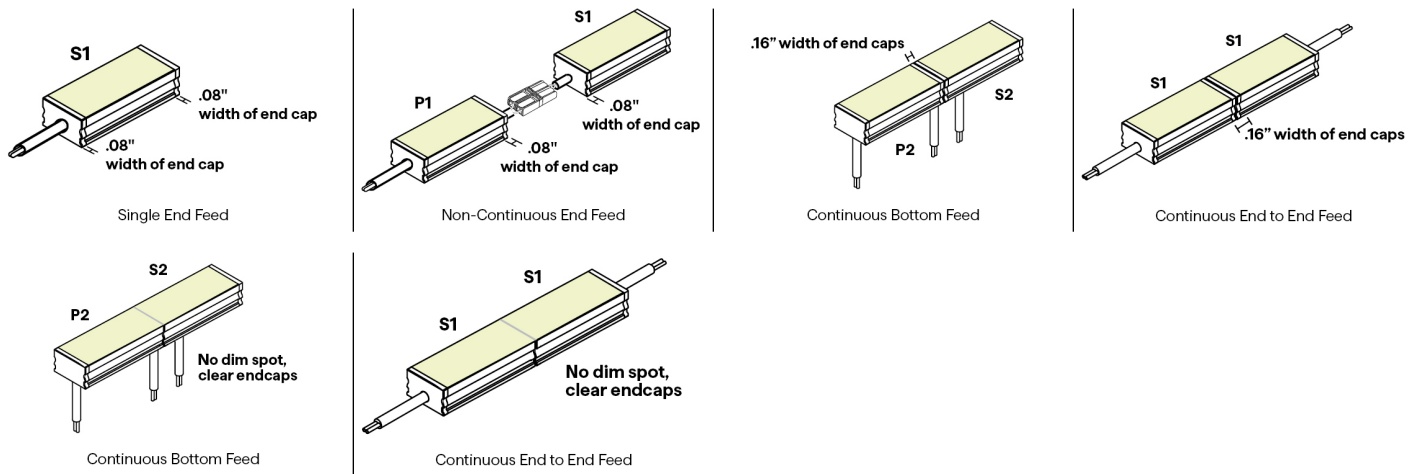
SINGLE (Input only)



PASS THROUGH (Input/Output)

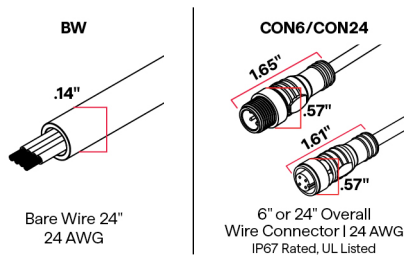


CONFIGURATION OPTIONS

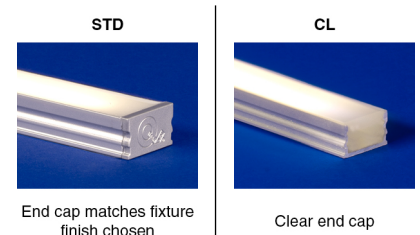


9 / 10 CONNECTOR/WIRE - IN/OUT

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



11 / 12 END CAP - IN/OUT





ESSENTIALS LALO-ENCAPSULATED (03) RGB

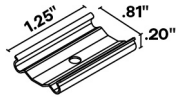
24VDC Linear Fixtures - Surface & Recessed

13 WIRE COLOR



15 MOUNTING

SST



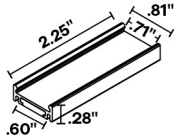
Stainless Steel Clip

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

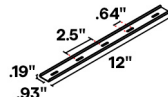


Low Profile Magnet

One M4 provided per foot

To order separately use MG-04

MMA-04



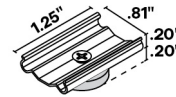
Magnet Mount Accessory for M4

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

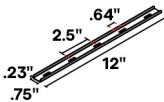
To order separately use MG-01

16 FINISH



Custom color available

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

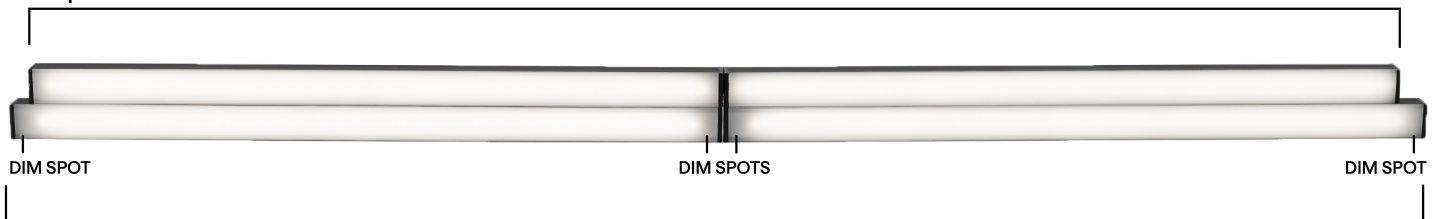
18 EXACT/OPTIMAL FIXTURE LENGTH

[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 LALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed

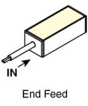
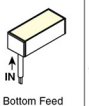
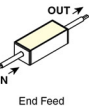
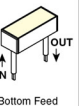
RGB ENC LENGTHS BY INCH

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 | |
|--------------------------|---|---|---|--|
| |  |  |  |  |
| 12" | 10.41" | | 10.66" | |
| 13" | 12.41" | | 12.66" | |
| 14" | 12.41" | | 12.66" | |
| 15" | 14.41" | | 14.66" | |
| 16" | 14.41" | | 14.66" | |
| 17" | 16.41" | | 16.66" | |
| 18" | 16.41" | | 16.66" | |
| 19" | 18.41" | | 18.66" | |
| 20" | 18.41" | | 18.66" | |
| 21" | 20.41" | | 20.66" | |
| 22" | 20.41" | | 20.66" | |
| 23" | 22.41" | | 22.66" | |
| 24" | 22.41" | | 22.66" | |
| 36" | 34.41" | | 34.66" | |
| 48" | 46.41" | | 46.66" | |
| 60" | 58.41" | | 58.66" | |
| 72" | 70.41" | | 70.66" | |
| 84" | 82.41" | | 82.66" | |
| 96" | 94.41" | | 94.66" | |

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 |
|--------------|--|--|
| | RGB | RGB |
| 0.1% | QT-CAB-eLED+DMX QTM-eLED+DMX QZ-DMX | Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX |
| 1% | QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT8 |
| 10% | Non-Dim Power Supply with RGB App Dongle | |


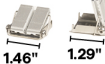



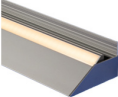


| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|------------------|--|--|
| | RGB | RGB |
| DMX | QTM-eLED+DMX QZ-DMX | Q-SET-QZ-DMX QOM-eLED+DMX QZ-DMX |
| DALI-2: DT8 | QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 |
| SCENE App Dimmed | Non-Dim Power Supply with RGB App Dongle | |



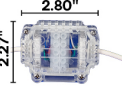



ESSENTIALS LALO-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Surface & Recessed

COMPATIBLE MOUNTING ACCESSORIES

| | | | | | | | |
|---|---|---|---|---|---|--|---|
| HINGE - HMB-M | HINGE - HMB-L | HINGE - HMB-XL | Q-PIVOT | Q-ANGLE | QUOVA-STANDARD | NJ-MEDIUM | SD-L-MEDIUM |
|  |  |  |  |  |  |  |  |
| 1.41" .71" | 1.46" 1.29" | 1.46" 4" | .75" 1.03" | 2.23" 1.38" | | | |
| Adjustable mounting bracket - Medium | Adjustable mounting bracket - Large | Adjustable mounting bracket - XLarge | Small mounting accessory | Adjustable mounting accessory | QUOVA Knife Edge | J Mounting Bracket | L Mounting Bracket |

COMPATIBLE WIRING ACCESSORIES

| | | | |
|---|---|---|---|
| Q-mini-J5 | CON120-EXT | CON FOUR-FER | CON M - BARREL F |
|  |  |  |  |
| 2.80" 2.27" | | | |
| UL Listed, miniature junction box, DRY/DMP (WET rated with silicone) | 10ft Con cable extender DRY/DMP/WET | Splits lead from one to four LED Con connectors DRY/DMP/WET | Male con to barrel cable adaptor DRY/DMP |

COMPATIBLE CONTROL ACCESSORIES

| |
|--|
| SCENE APP DONGLE |
|  |
| 1.36" 2.58" |
| Wi-Fi or Bluetooth Connectivity |

COMPATIBLE APPS

| |
|---|
| NFC APP |
|  |
| Read and write DMX addresses and adjust voltage |