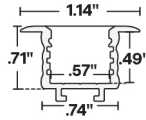
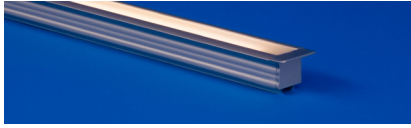




ESSENTIALS EMBD- ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed



- Recessed flanged fixture designed for drywall and millwork 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)
- Mounting options include spring or magnet mounting clips
- 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



INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|-----------|-----|-------|------------|------|
| PRODUCT | WATTS/ FT | CCT | RATED | EFFICIENCY | LENS |
| | | | ENC | STD | |

ADDITIONAL INFORMATION REQUIRED TO ORDER

| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|-----------------------|------------------------|-------------------------|------------------|-------------------|------------|-----------|----------|--------|-------------|-------------------|
| 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 |
| | | | STD | STD | | | | | | |

Sample Part Number: **EB3SW-5.0-30-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SP-ST-48"-E**

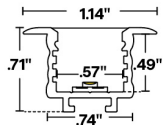
| | | | | | |
|--|--|--|---|---|--|
| 1 PRODUCT EB3SW EB3SW-USA Select USA option for BAA and BABA projects. See following pages for compatible power supplies. | 2 WATTS/FT 1.5 1.5W/ft 3.0 3.0W/ft 4.0 4.0W/ft 5.0 5.0W/ft 1.5HE 1.5W/ft HE 3.0HE 3.0W/ft HE 6.0HE 6.0W/ft HE | 3 CCT 24 2400K 27 2700K 30 3000K 35 3500K 40 4000K | 4 RATED ENC IP67 | 5 EFFICIENCY STD Standard | 6 LENS CL Clear TL Translucent 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 PASS THROUGH (Input/output) P1 End Feed P2 Bottom Feed | 8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" | 9 CONNECTOR/WIRE OUT CLS Closed End (No feed) BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" | | | |
| 10 INPUT END CAP STD Standard STD - End cap matches fixture finish chosen | 11 OUTPUT END CAP STD Standard STD - End cap matches fixture finish chosen | 12 WIRE COLOR WH White BK Black N/A For Barrel | 13 WIRE TYPE CL2 Class 2 CL2P Plenum Rated N/A For Barrel CL2P only available with bare wire leads (BW) | | |
| 14 MOUNTING SP Spring Clip MG Magnet | 15 FINISH ST Satin CU Custom Custom finishes require a longer lead time, consult factory | 16 LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12". | 17 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. | | |



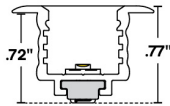
ESSENTIALS EMBD-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

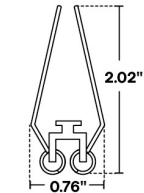
1 PRODUCT - DIMENSIONS



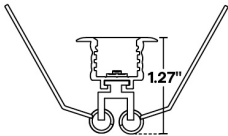
Profile



Profile with magnet mounting clip



Spring mounting clip



Profile with spring mounting clip

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with EB3SW-**-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 | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI | LM/FT | CRI |
| CL | 84 | 98 | 113 | 98 | 146 | 98 | 207 | 98 | 182 | 98 | 221 | 98 | 392 | 98 |
| TL | 67 | 98 | 94 | 98 | 117 | 98 | 173 | 98 | 146 | 98 | 177 | 98 | 328 | 98 |

TEMPERATURE RATINGS

| | 1.5 W/FT | | 1.5 HE W/FT | | 3.0 W/FT | | 3.0 HE W/FT | | 4.0 W/FT | | 5.0 W/FT | | 6.0 HE W/FT | |
|-----------------------------------|----------|-------|-------------|-------|----------|-------|-------------|-------|----------|-------|----------|------|-------------|------|
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| Ambient Operating Temp - Recessed | -4°F | 125°F | -4°F | 130°F | -4°F | 120°F | -4°F | 125°F | -4°F | 110°F | -4°F | 95°F | -4°F | 95°F |

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

ENC/TL - Translucent encapsulation

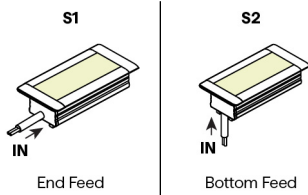


ESSENTIALS EMBD-ENCAPSULATED (03) STATIC WHITE

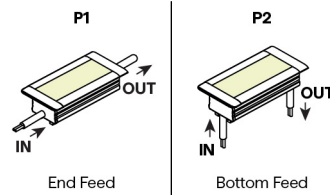
24VDC Linear Fixtures - Recessed

7 WIRE INPUT/OUTPUT

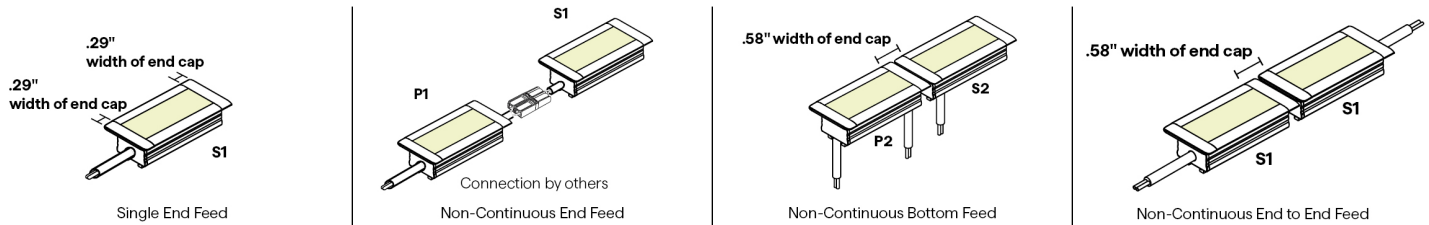
SINGLE (Input only)



PASS THROUGH (Input/Output)

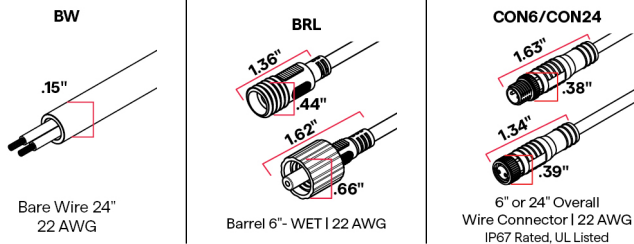


CONFIGURATION OPTIONS



8 / 9 CONNECTOR/WIRE - IN/OUT

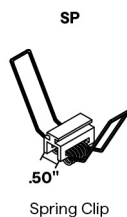
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



12 WIRE COLOR



14 MOUNTING



2 clips provided for 4' or less. 4 clips provided for greater than 4'.

To order separately use SP-01

MG

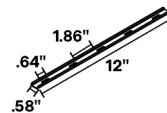


Magnet Clip

One MG provided per foot

To order separately use MG-02

MMA-02



Magnet Mount
Accessory for MG-02

Sold separately, to order use MMA-02

Each bracket comes with 2 #6 x 5/8" Flat Head SS

Required when mounting to a non-magnetic surface

15 FINISH



Custom finishes require a longer lead time, consult factory



ESSENTIALS EMBD-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

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.



SW ENC LENGTHS BY INCH

EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture |
|------------------|--|
| | S1 |
| | |
| 12" | 0.5" |
| 13" | 0.5" |
| 14" | 0.5" |
| 15" | 0.5" |
| 16" | 0.5" |
| 17" | 0.5" |
| 18" | 0.5" |
| 19" | 0.5" |
| 20" | 0.5" |
| 21" | 0.5" |
| 22" | 0.5" |
| 23" | 0.5" |
| 24" | 0.5" |
| 36" | 0.5" |
| 48" | 0.5" |
| 60" | 0.5" |
| 72" | 0.5" |
| 84" | 0.5" |
| 96" | 0.5" |

OPTIMAL LENGTH

| Requested Nominal Length | S1 & S2 | | P1 & P2 | |
|--------------------------|---------|----|---------|----|
| | S1 | S2 | P1 | P2 |
| | | | | |
| 12" | 11.41" | | 11.66" | |
| 13" | 12.41" | | 12.66" | |
| 14" | 13.41" | | 13.66" | |
| 15" | 14.41" | | 14.66" | |
| 16" | 15.41" | | 15.66" | |
| 17" | 16.41" | | 16.66" | |
| 18" | 17.41" | | 17.66" | |
| 19" | 18.41" | | 18.66" | |
| 20" | 19.41" | | 19.66" | |
| 21" | 20.41" | | 20.66" | |
| 22" | 21.41" | | 21.66" | |
| 23" | 22.41" | | 22.66" | |
| 24" | 23.41" | | 23.66" | |
| 36" | 35.41" | | 35.66" | |
| 48" | 47.41" | | 47.66" | |
| 60" | 59.41" | | 59.66" | |
| 72" | 71.41" | | 71.66" | |
| 84" | 83.41" | | 83.66" | |
| 96" | 95.41" | | 95.66" | |

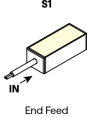


ESSENTIALS EMBD-ENCAPSULATED (03) STATIC WHITE

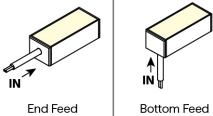
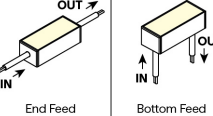
24VDC Linear Fixtures - Recessed

SW-HE ENC LENGTHS BY INCH

EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 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

| 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 | |
|--------------|--|--|---|---|
| | 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+QD1 | Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1 | QOM-DC+CAP QOM-PH | QOM-DC+CAP QOM-PH |
| 0.1% | QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP | QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER 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 QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 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 QOM-eLED+DALI-DT6 QOM-eLED+PS-DALI-DT6 QZ-DMX QZ-PH/0-10V |
| 1% | QTM-eLED(E) QZ-DALI-DT6 | QTM-eLED(E) QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6 QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6 QZ-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 | |



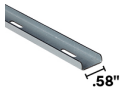
ESSENTIALS EMBD-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

| 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 | QT-CAB-eLED-ND QTM-eLED-ND QZ-ND | QT-CAB-eLED-ND QTM-eLED-ND QZ-ND | Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND | Q-SET-QZ-ND Q-SET-eLED-ND QOM-eLED-ND QZ-ND |
| Phase | Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1 | Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1 | Q-HEX-mini-DC Q-SET-QZ-PH/0-10V Q-SET-mLED QOM-DC+CAP QOM-PH QZ-PH/0-10V | Q-SET-QZ-PH/0-10V QOM-DC+CAP QOM-PH QZ-PH/0-10V |
| 0-10V | QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP | QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN 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 | QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN | QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN | | |
| 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 | QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6 | QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6 |
| SCENE App Dimmed | Non-Dim Power Supply with SW App Dongle | Non-Dim Power Supply with SW App Dongle | | |


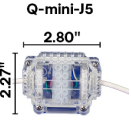





COMPATIBLE MOUNTING ACCESSORIES

MMA-02



Magnet Mount Accessory
of MG-02

COMPATIBLE WIRING ACCESSORIES

| | | | | | | |
|--|--|---|---|--|--|--|
|  Q-mini-J 2" 1.25" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone) |  Q-mini-J5 2.80" 2.27" UL Listed, miniature junction box, DRY/DMP (WET rated with silicone) |  BARREL-EXT 8ft barrel cable extender DRY ONLY |  BARREL FOUR-FER Splits lead from one to four LED Barrel connector fixtures, DRY/DMP |  CON120-EXT 10ft Con cable extender DRY/DMP/WET |  CON FOUR-FER Splits lead from one to four LED Con connectors DRY/DMP/WET |  CON M - BARREL F Male con to barrel cable adaptor DRY/DMP |
|--|--|---|---|--|--|--|



ESSENTIALS EMBD-ENCAPSULATED (03) STATIC WHITE

24VDC Linear Fixtures - Recessed

COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE



Wi-Fi or Bluetooth
Connectivity

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage