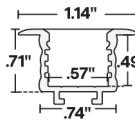




# ESSENTIALS EMBD- ENCAPSULATED (03) STATIC COLOR

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
- Red, Green, Blue or Amber LEDs available
- Q-Tran Red & Amber LED products are Florida Fish and Wildlife Conservation Commission certified, making them safe for turtles and other wildlife

1 PRODUCT	2 WATTS/FT	3 CCT	4 RATED	5 EFFICIENCY	6 LENS	7 WIRE INPUT/OUTPUT	8 CONNECTOR/WIRE IN	9 CONNECTOR/WIRE OUT	10 INPUT END CAP	11 OUTPUT END CAP	12 WIRE COLOR	13 WIRE TYPE	14 MOUNTING	15 FINISH	16 LENGTH (IN)	17 EXACT/OPTIMAL
EB3SC	5.0		ENC	STD					STD	STD						

Sample Part Number: EB3SC-5.0-G-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SP-ST-48"-E

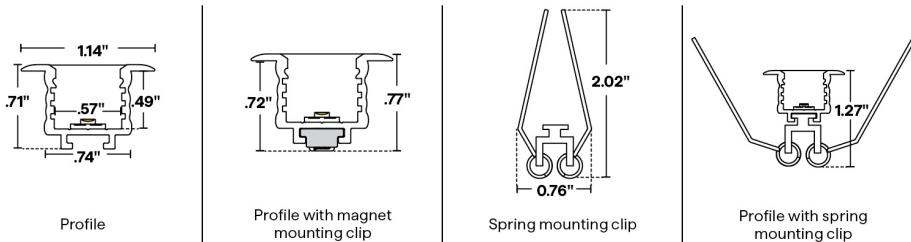
<b>1</b> PRODUCT EB3SC See following pages for compatible power supplies.	<b>2</b> WATTS/FT 5.0 5.0W/ft	<b>3</b> CCT A Amber B Blue G Green R Red	<b>4</b> RATED ENC IP67	<b>5</b> EFFICIENCY STD Standard	<b>6</b> LENS CL Clear TL Translucent For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages
<b>7</b> WIRE INPUT/OUTPUT S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed	<b>8</b> CONNECTOR/WIRE IN BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24"	<b>9</b> CONNECTOR/WIRE OUT CLS Closed End (No feed)			
<b>P1</b> Pass Through 1 (Input/output) - End Feed <b>P2</b> Pass Through 2 (Input/output) - Bottom Feed	<b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"	<b>BW</b> Bare Wire (Standard 24") <b>BRL</b> Barrel <b>CON6</b> Connector 6" <b>CON24</b> Connector 24"			
					BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)
<b>10</b> INPUT END CAP STD Standard STD - End cap matches fixture finish chosen	<b>11</b> OUTPUT END CAP STD Standard STD - End cap matches fixture finish chosen	<b>12</b> WIRE COLOR WH White BK Black N/A For Barrel	<b>13</b> WIRE TYPE CL2 Class 2 CL2P Plenum Rated N/A For Barrel CL2P only available with bare wire leads (BW)		
<b>14</b> MOUNTING SP Spring Clip MG Magnet	<b>15</b> FINISH ST Satin CU Custom Custom finishes require a longer lead time, consult factory	<b>16</b> LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>17</b> 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 COLOR

24VDC Linear Fixtures - Recessed

## 1 PRODUCT - DIMENSIONS

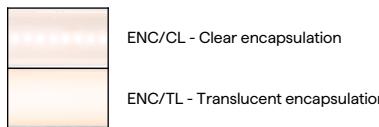


## 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with EB3SC-5.0-\*\*-ENC-STD

	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	63	633	246	517	61	466	38	597
TL	50	633	198	517	49	466	30	597

## 6 DIODE VISIBILITY

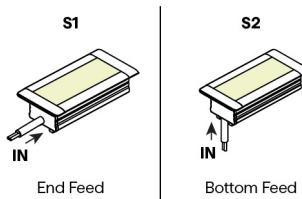


## TEMPERATURE RATINGS

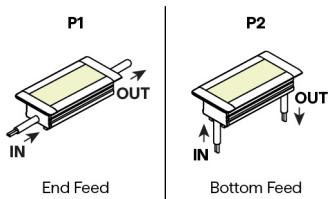
	5.0 W/FT	
	Min	Max
Ambient Operating Temp - Recessed	-4°F	100°F

## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



PASS THROUGH (Input/Output)

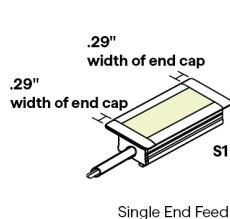




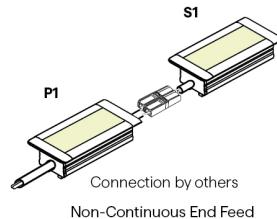
# ESSENTIALS EMBD-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Recessed

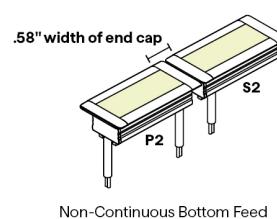
## CONFIGURATION OPTIONS



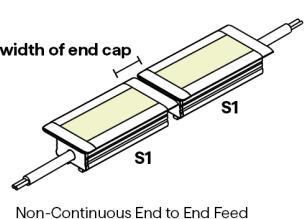
Single End Feed



Connection by others  
Non-Continuous End Feed



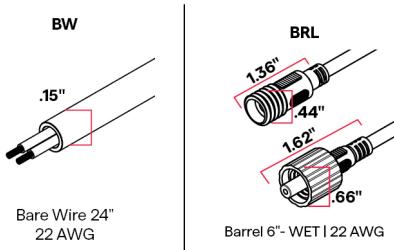
Non-Continuous Bottom Feed



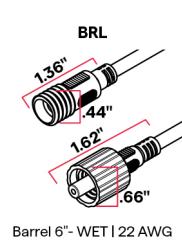
Non-Continuous End to End Feed

## 8 / 9 CONNECTOR/WIRE - IN/OUT

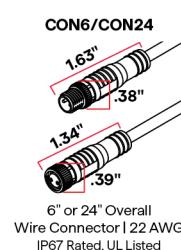
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



Bare Wire 24"  
22 AWG



Barrel 6"- WET | 22 AWG



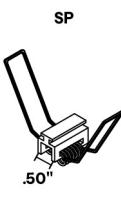
6" or 24" Overall  
Wire Connector | 22 AWG  
IP67 Rated, UL Listed

## 12 WIRE COLOR

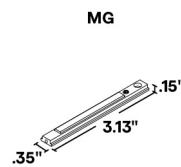


White  
Black

## 14 MOUNTING



2 clips provided for 4' or less. 4  
clips provided for greater than  
4'.  
To order separately use SP-01

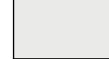


One MG provided per foot  
To order separately use  
MG-02



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



Satin

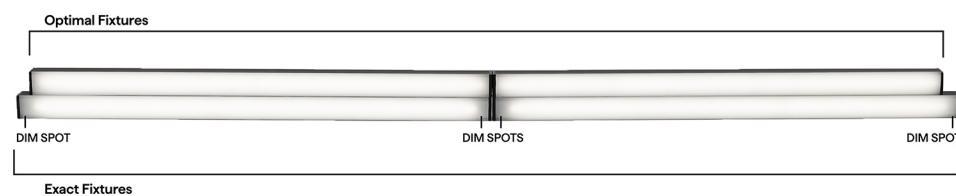
Custom finishes  
require a longer lead  
time, consult factory

## 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.





# ESSENTIALS EMBD-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Recessed

## SC 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	
	S1 End Feed	S2 Bottom Feed	P1 End Feed	P2 Bottom Feed
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
	SC	SC
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1	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 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
1%	QTM-eLED(E) QZ-DALI-DT6	Q-SET+QZ-DALI-DT6 QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle	



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## 24VDC Linear Fixtures - Recessed

DIMMING PROTOCOL	INDOOR	OUTDOOR
	SC	SC
Non-Dim	QT-CAB-eLED-ND QTM-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	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	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	
ECO System	QTM-eLED(E)	
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	Q-SET+QZ-DALI-DT6 QOM-eLED+DALI-DT6 QZ-DALI-DT6
SCENE App Dimmed	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" L 1.25" W	 Q-mini-J5 2.80" L 2.27" W	 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
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## ESSENTIALS EMBD-ENCAPSULATED (03) STATIC COLOR

24VDC Linear Fixtures - Recessed

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### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage