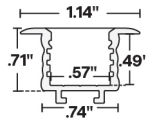
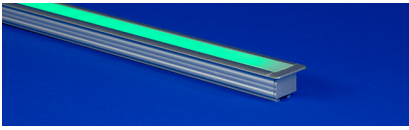




# ESSENTIALS EMBD- ENCAPSULATED (03) RGB

## 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, 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
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS	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
EB3RGB	6.0	RGB	ENC	STD					STD	STD						

Sample Part Number: **EB3RGB-6.0-RGB-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SP-ST-48"-E**

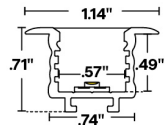
<div><div>1</div><div>PRODUCT</div></div> <div>EB3RGB</div> <div>See following pages for compatible power supplies.</div>	<div><div>2</div><div>WATTS/FT</div></div> <div>6.06.0W/ft</div>	<div><div>3</div><div>CCT</div></div> <div>RGB</div>	<div><div>4</div><div>RATED</div></div> <div>ENCIP67</div>	<div><div>5</div><div>EFFICIENCY</div></div> <div>STDStandard</div>	<div><div>6</div><div>LENS</div></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><div>7</div><div>WIRE INPUT/OUTPUT</div></div> <div><div>S1</div><div>Single 1 (Input only) - End Feed</div></div> <div><div>S2</div><div>Single 2 (Input only) - Bottom Feed</div></div> <div><div>P1</div><div>Pass Through 1 (Input/output) - End Feed</div></div> <div><div>P2</div><div>Pass Through 2 (Input/output) - Bottom Feed</div></div>	<div><div>8</div><div>CONNECTOR/WIRE IN</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div></div> <div><div>CON6</div><div>Connector 6"</div></div> <div><div>CON24</div><div>Connector 24"</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div></div> <div><div>CON6</div><div>Connector 6"</div></div> <div><div>CON24</div><div>Connector 24"</div></div>	<div><div>9</div><div>CONNECTOR/WIRE OUT</div></div> <div><div>CLS</div><div>Closed End (No feed)</div></div> <div><div>BW</div><div>Bare Wire (Standard 24")</div></div> <div><div>CON6</div><div>Connector 6"</div></div> <div><div>CON24</div><div>Connector 24"</div></div>	<div>For continuous mounting, consider bottom feed</div>		
<div><div>10</div><div>INPUT END CAP</div></div> <div><div>STD</div><div>Standard</div></div> <div>STD - End cap matches fixture finish chosen</div>	<div><div>11</div><div>OUTPUT END CAP</div></div> <div><div>STD</div><div>Standard</div></div> <div>STD - End cap matches fixture finish chosen</div>	<div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div>			
<div><div>12</div><div>WIRE COLOR</div></div> <div><div>WH</div><div>White</div></div> <div><div>BK</div><div>Black</div></div>	<div><div>13</div><div>WIRE TYPE</div></div> <div><div>CL2</div><div>Class 2</div></div> <div><div>CL2P</div><div>Plenum Rated</div></div> <div>CL2P only available with bare wire leads (BW)</div>	<div>BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div>			
<div><div>14</div><div>MOUNTING</div></div> <div><div>SP</div><div>Spring Clip</div></div> <div><div>MG</div><div>Magnet</div></div>	<div><div>15</div><div>FINISH</div></div> <div><div>ST</div><div>Satin</div></div> <div><div>CU</div><div>Custom</div></div> <div>Custom finishes require a longer lead time, consult factory</div>	<div><div>16</div><div>LENGTH (IN)</div></div> <div>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".</div>	<div><div>17</div><div>EXACT/OPTIMAL</div></div> <div><div>O</div><div>Optimal Illumination</div></div> <div><div>E</div><div>Exact Specified Length</div></div> <div>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.</div>		



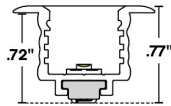
# ESSENTIALS EMBD-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Recessed

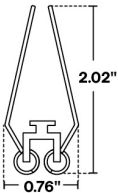
## 1 PRODUCT - DIMENSIONS



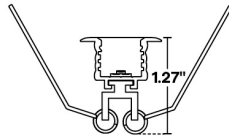
Profile



Profile with magnet mounting clip



Spring mounting clip



Profile with spring mounting clip

## 2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]  
Tested with EB3RGB-6.0-RGB-ENC-STD

	Red		Green		Blue		All
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	
CL	48	633	101	523	28	469	162
TL	39	633	81	523	22	469	130

## 6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

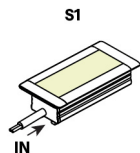
ENC/TL - Translucent encapsulation

## TEMPERATURE RATINGS

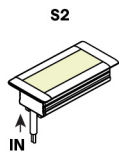
	6.0 W/FT	
	Min	Max
Ambient Operating Temp - Recessed	-13°F	90°F

## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)

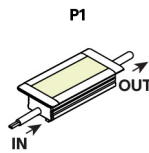


End Feed

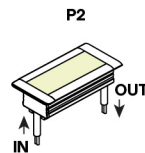


Bottom Feed

PASS THROUGH (Input/Output)



End Feed



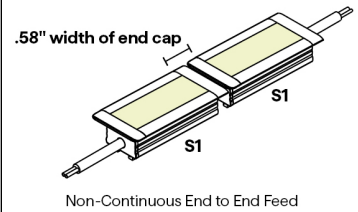
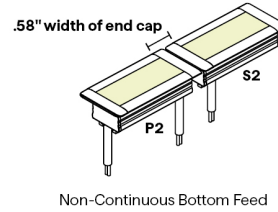
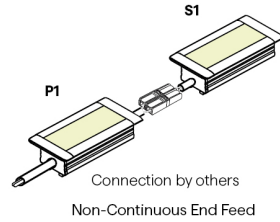
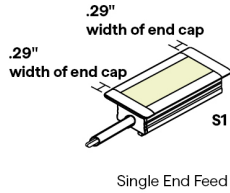
Bottom Feed



# ESSENTIALS EMBD-ENCAPSULATED (03) RGB

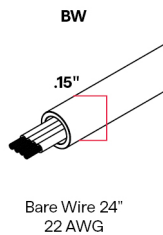
24VDC Linear Fixtures - Recessed

## CONFIGURATION OPTIONS

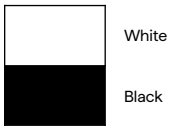


## 8 / 9 CONNECTOR/WIRE - IN/OUT

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

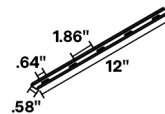
## MG



One MG provided per foot

To order separately use MG-02

## MMA-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



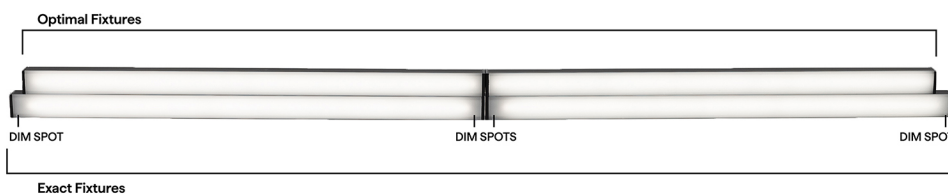
Custom finishes require a longer lead time, consult factory

## 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.



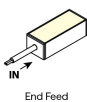


# ESSENTIALS EMBD-ENCAPSULATED (O3) RGB

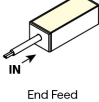
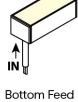
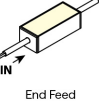
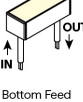
## 24VDC Linear Fixtures - Recessed

### RGB ENC LENGTHS BY INCH

#### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	S1 
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 	S2 	P1 	P2 
12"	10.51"		10.86"	
13"	12.51"		12.86"	
14"	12.51"		12.86"	
15"	14.51"		14.86"	
16"	14.51"		14.86"	
17"	16.51"		16.86"	
18"	16.51"		16.86"	
19"	18.51"		18.86"	
20"	18.51"		18.86"	
21"	20.51"		20.86"	
22"	20.51"		20.86"	
23"	22.51"		22.86"	
24"	22.51"		22.86"	
36"	34.51"		34.86"	
48"	46.51"		46.86"	
60"	58.51"		58.86"	
72"	70.51"		70.86"	
84"	82.51"		82.86"	
96"	94.51"		94.86"	

### 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+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT8 QOM-eLED+DMX QOM-eLED+PS-DALI-DT8 QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-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 QZ-DALI-DT8

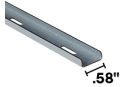


# ESSENTIALS EMBD-ENCAPSULATED (03) RGB

24VDC Linear Fixtures - Recessed

## COMPATIBLE MOUNTING ACCESSORIES

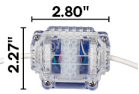
MMA-02



Magnet Mount Accessory  
of MG-02

## 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

## COMPATIBLE APPS

NFC APP



Read and write  
DMX addresses and  
adjust voltage