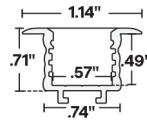
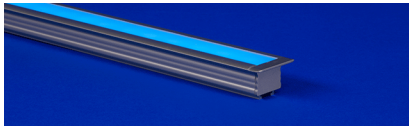




ESSENTIALS EMBD- ENCAPSULATED (03) RGBW

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 paired with a specifiable white LED allow for color changing applications
- 21 diodes per 2" outpoint allowing for minimal diode visibility

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
EB3RGBW			ENC	STD					STD	STD						

Sample Part Number: **EB3RGBW-4.0HE-30-ENC-STD-TL-P1-BW-BW-STD-STD-BK-CL2-SP-ST-48"-E**

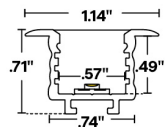
<div>1</div> <div>PRODUCT</div> <div>EB3RGBW</div> <div>See following pages for compatible power supplies.</div>	<div>2</div> <div>WATTS/FT</div> <div>6.06.0W/ft</div> <div>4.0HE4.0W/ft HE</div>	<div>3</div> <div>CCT</div> <div>27RGBW-2700K</div> <div>30RGBW-3000K</div> <div>27RGBW-2700K</div> <div>30RGBW-3000K</div> <div>35RGBW-3500K</div> <div>40RGBW-4000K</div>	<div>4</div> <div>RATED</div> <div>ENCIP67</div>	<div>5</div> <div>EFFICIENCY</div> <div>STDStandard</div>	<div>6</div> <div>LENS</div> <div>CLClear</div> <div>TLTranslucent</div> <div>For representation of LED visibility, see Diode Visibility section on following pages.</div> <div>For beam angles, see Photometric Performance section on following pages</div>
<div>7</div> <div>WIRE INPUT/OUTPUT</div> <div>S1Single 1 (Input only) - End Feed</div> <div>S2Single 2 (Input only) - Bottom Feed</div> <div>P1Pass Through 1 (Input/output) - End Feed</div> <div>P2Pass Through 2 (Input/output) - Bottom Feed</div>	<div>8</div> <div>CONNECTOR/WIRE IN</div> <div>BWBare Wire (Standard 24")</div> <div>CON6Connector 6"</div> <div>CON24Connector 24"</div> <div>BWBare Wire (Standard 24")</div> <div>CON6Connector 6"</div> <div>CON24Connector 24"</div>	<div>9</div> <div>CONNECTOR/WIRE OUT</div> <div>CLSClosed End (No feed)</div> <div>BWBare Wire (Standard 24")</div> <div>CON6Connector 6"</div> <div>CON24Connector 24"</div>			
For continuous mounting, consider bottom feed			BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)		
<div>10</div> <div>INPUT END CAP</div> <div>STDStandard</div> <div>STD - End cap matches fixture finish chosen</div>	<div>11</div> <div>OUTPUT END CAP</div> <div>STDStandard</div> <div>STD - End cap matches fixture finish chosen</div>	<div>12</div> <div>WIRE COLOR</div> <div>WHWhite</div> <div>BKBlack</div>	<div>13</div> <div>WIRE TYPE</div> <div>CL2Class 2</div> <div>CL2PPlenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div>		
<div>14</div> <div>MOUNTING</div> <div>SPSpring Clip</div> <div>MGMagnet</div>	<div>15</div> <div>FINISH</div> <div>STSatin</div> <div>CUCustom</div> <div>Custom finishes require a longer lead time, consult factory</div>	<div>16</div> <div>LENGTH (IN)</div> <div>Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".</div>	<div>17</div> <div>EXACT/OPTIMAL</div> <div>OOptimal Illumination</div> <div>EExact Specified Length</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>		



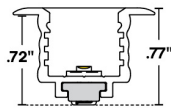
ESSENTIALS EMBD-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Recessed

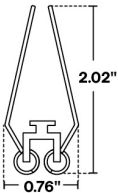
1 PRODUCT - DIMENSIONS



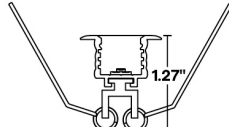
Profile



Profile with magnet mounting clip



Spring mounting clip



Profile with spring mounting clip

2 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with EB3RGBW-**-30-ENC-STD

	6.0 W/FT								4.0HE W/FT							
	Red		Green		Blue		3000K		Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	22	631	60	513	18	464	76	93	19	629	74	516	16	465	46	97
TL	18	631	48	513	14	464	61	93	16	629	60	516	13	465	37	97

6 DIODE VISIBILITY



ENC/CL - Clear encapsulation

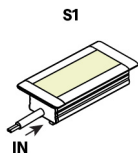
ENC/TL - Translucent encapsulation

TEMPERATURE RATINGS

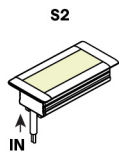
	6.0 W/FT		4.0 HE W/FT	
	Min	Max	Min	Max
Ambient Operating Temp - Recessed	-4°F	95°F	-4°F	100°F

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

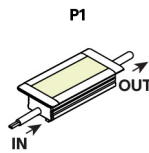


End Feed

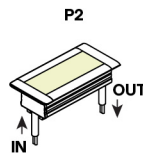


Bottom Feed

PASS THROUGH (Input/Output)



End Feed



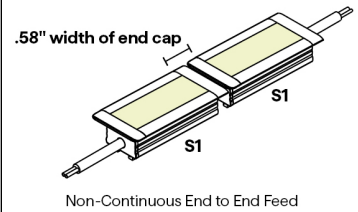
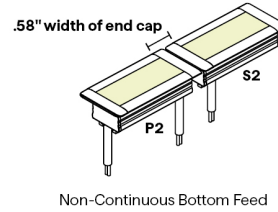
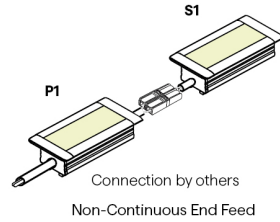
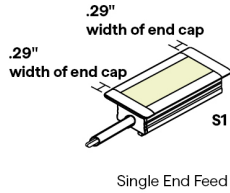
Bottom Feed



ESSENTIALS EMBD-ENCAPSULATED (03) RGBW

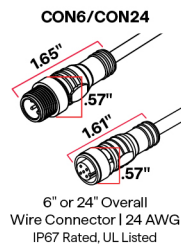
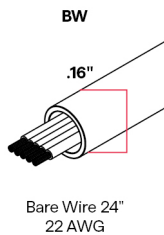
24VDC Linear Fixtures - Recessed

CONFIGURATION OPTIONS



8 / 9 CONNECTOR/WIRE - IN/OUT

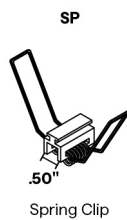
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



12 WIRE COLOR

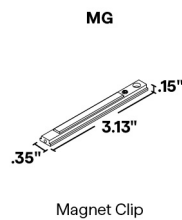


14 MOUNTING



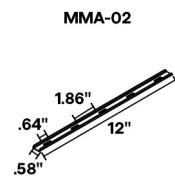
2 clips provided for 4' or less. 4 clips provided for greater than 4'.

To order separately use SP-01



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



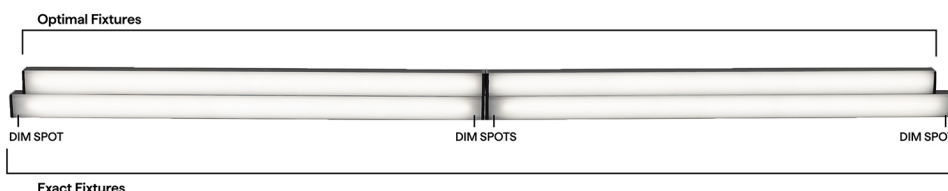
Custom finishes require a longer lead time, consult factory

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.



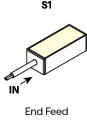


ESSENTIALS EMBD-ENCAPSULATED (03) RGBW

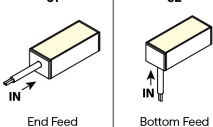
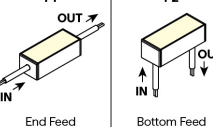
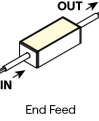
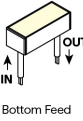
24VDC Linear Fixtures - Recessed

RGBW-HE ENC LENGTHS BY INCH

EXACT LENGTH

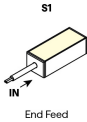
Requested Length	Potential dim spot on either end of a S1 fixture
	
12"	1"
13"	0.5"
14"	1"
15"	0.5"
16"	1"
17"	0.5"
18"	1"
19"	0.5"
20"	1"
21"	0.5"
22"	1"
23"	0.5"
24"	1"
36"	1"
48"	1"
60"	1"
72"	1"
84"	1"
96"	1"

OPTIMAL LENGTH

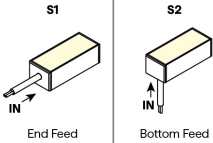
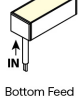
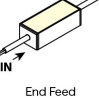
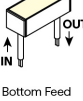
Requested Nominal Length	S1 & S2		P1 & P2	
				
12"	10.51"		10.86"	
13"	12.51"		12.86"	
14"	12.51"		12.86"	
15"	14.51"		14.86"	
16"	14.51"		14.86"	
17"	16.51"		16.86"	
18"	16.51"		16.86"	
19"	18.51"		18.86"	
20"	18.51"		18.86"	
21"	20.51"		20.86"	
22"	20.51"		20.86"	
23"	22.51"		22.86"	
24"	22.51"		22.86"	
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"	

RGBW ENC LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture
	
12"	2"
13"	0.5"
14"	1"
15"	1.5"
16"	2"
17"	0.5"
18"	1"
19"	1.5"
20"	2"
21"	0.5"
22"	1"
23"	1.5"
24"	2"
36"	2"
48"	2"
60"	2"
72"	2"
84"	2"
96"	2"

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
				
12"	8.51"		8.86"	
13"	12.51"		12.86"	
14"	12.51"		12.86"	
15"	12.51"		12.86"	
16"	12.51"		12.86"	
17"	16.51"		16.86"	
18"	16.51"		16.86"	
19"	16.51"		16.86"	
20"	16.51"		16.86"	
21"	20.51"		20.86"	
22"	20.51"		20.86"	
23"	20.51"		20.86"	
24"	20.51"		20.86"	
36"	32.51"		32.86"	
48"	44.51"		44.86"	
60"	56.51"		56.86"	
72"	68.51"		68.86"	
84"	80.51"		80.86"	
96"	92.51"		92.86"	



ESSENTIALS EMBD-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Recessed

COMPATIBLE POWER SUPPLIES

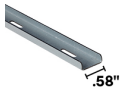
See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

DIM TO LEVEL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
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 RGBW App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	RGBW, RGBW-HE	RGBW, RGBW-HE
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
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle	

COMPATIBLE MOUNTING ACCESSORIES

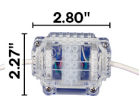
MMA-02



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-DES



DMX controller for
changing color &
dimming



ESSENTIALS EMBD-ENCAPSULATED (03) RGBW

24VDC Linear Fixtures - Recessed

COMPATIBLE APPS

NFC APP



Read and write
DMX addresses and
adjust voltage