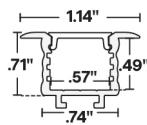
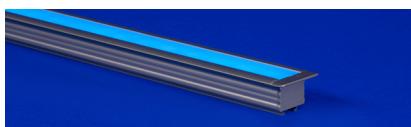




# ESSENTIALS EMBD-FLAT (01)

## RGBW

24VDC Linear Fixtures - Recessed



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 WIRE COLOR	11 WIRE TYPE	12 MOUNTING	13 FINISH	14 LENGTH (IN)	15 EXACT/ OPTIMAL
				STD										

Sample Part Number: **EB1RGBW-6.0-30-DRY-STD-DF-P1-BW-BK-CL2-SP-ST-48"-E**

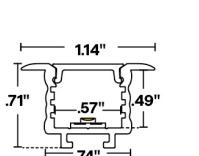
<b>1</b> <b>PRODUCT</b>  EB1RGBW  See following pages for compatible power supplies.	<b>2</b> <b>WATTS/FT</b>  6.0 6.0W/ft  4.0HE 4.0W/ft HE	<b>3</b> <b>CCT</b>  27 RGBW-2700K 30 RGBW-3000K  27 RGBW-2700K 30 RGBW-3000K 35 RGBW-3500K 40 RGBW-4000K	<b>4</b> <b>RATED</b>  DRY IP20 DMP IP54  DRY IP20 DMP IP54 WET IP67	<b>5</b> <b>EFFICIENCY</b>  STD Standard	<b>6</b> <b>LENS</b>  DF Diffused PR Polar FR Frosted  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> <b>WIRE INPUT/OUTPUT</b>  S1 Single 1 (Input only) - End Feed S2 Single 2 (Input only) - Bottom Feed  P1 Pass Through 1 (Input/output) - End Feed P2 Pass Through 2 (Input/output) - Bottom Feed	<b>8</b> <b>CONNECTOR/WIRE IN</b>  BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"  BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	<b>9</b> <b>CONNECTOR/WIRE OUT</b>  CLS Closed End (No feed)  BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	<b>10</b> <b>WIRE COLOR</b>  WH White BK Black		
					BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)
					BW: Standard length is 24". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)
<b>11</b> <b>WIRE TYPE</b>  CL2 Class 2 CL2P Plenum Rated  CL2P only available with bare wire leads (BW)	<b>12</b> <b>MOUNTING</b>  SP Spring Clip MG Magnet	<b>13</b> <b>FINISH</b>  ST Satin CU Custom  Custom finishes require a longer lead time, consult factory	<b>14</b> <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	<b>15</b> <b>EXACT/OPTIMAL</b>  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.	



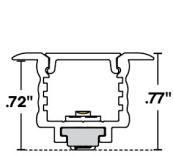
# ESSENTIALS EMBD-FLAT (01) RGBW

24VDC Linear Fixtures - Recessed

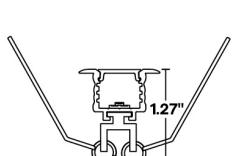
## 1 PRODUCT - DIMENSIONS



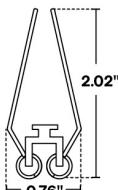
Profile with flat lens



Profile with flat lens and magnet mounting clip



Profile with flat lens and spring mounting clip



Spring mounting clip

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]

Tested with EB1RGBW-\*\*-30-DRY-STD

	6.0 W/FT								4.0 HE 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
FR	33	631	88	513	26	464	112	93	29	629	109	516	24	465	67	97
PR	29	631	76	513	23	464	97	93	25	629	95	516	20	465	58	97
DF	24	631	65	513	19	464	83	93	21	629	81	516	17	465	49	97

## 6 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

FR - Frosted lens

## TEMPERATURE RATINGS

		6.0 W/FT		4.0 HE W/FT	
		Min	Max	Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	110°F	-4°F	115°F
DMP	Ambient Operating Temp - Recessed	-4°F	105°F	-4°F	110°F
WET	Ambient Operating Temp - Recessed	**	**	-4°F	110°F

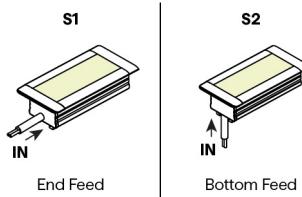


# ESSENTIALS EMBD-FLAT (01) RGBW

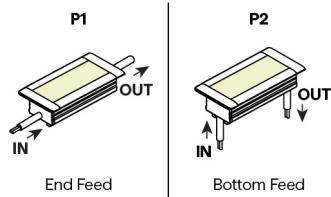
24VDC Linear Fixtures - Recessed

## 7 WIRE INPUT/OUTPUT

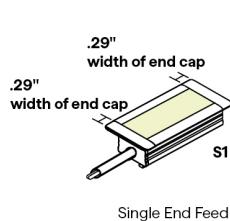
SINGLE (Input only)



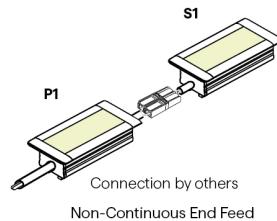
PASS THROUGH (Input/Output)



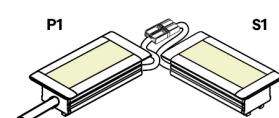
## CONFIGURATION OPTIONS



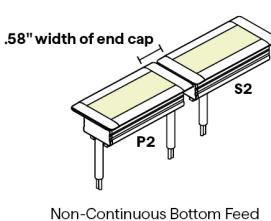
Single End Feed



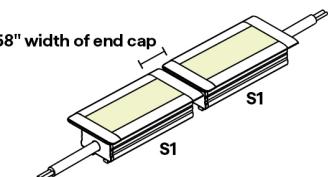
Non-Continuous End Feed



Non-Continuous Corner Feed



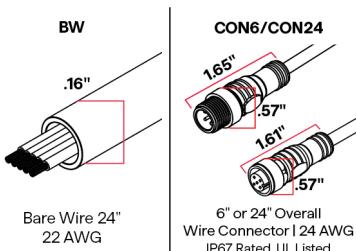
Non-Continuous Bottom Feed



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



## 10 WIRE COLOR



White

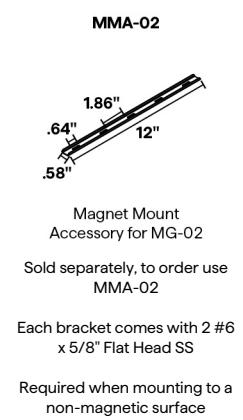
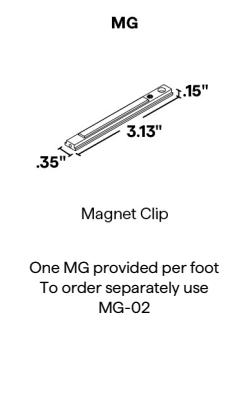
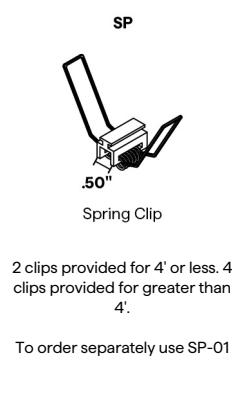
Black



# ESSENTIALS EMBD-FLAT (01) RGBW

24VDC Linear Fixtures - Recessed

## 12 MOUNTING



## 13 FINISH



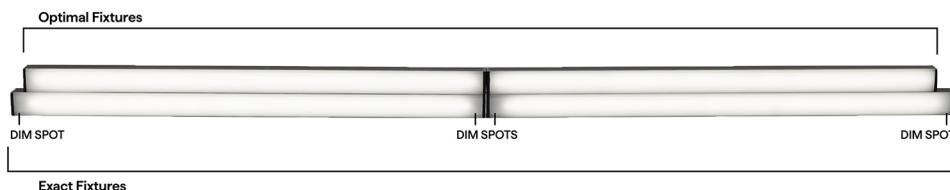
Custom finishes require a longer lead time, consult factory

## 14 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.



## RGBW-HE DRY DMP LENGTHS BY INCH

### EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture S1 End Feed
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"	10.51"		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"		48.86"	
60"	58.51"		58.86"	
72"	70.51"		70.86"	
84"	82.51"		82.86"	
96"	94.51"		94.86"	



# ESSENTIALS EMBD-FLAT (01) RGBW

24VDC Linear Fixtures - Recessed

## RGBW-HE WET 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	S2	P1	P2
12"	10.66"		11.06"	
13"	12.66"		11.06"	
14"	12.66"		13.06"	
15"	14.66"		13.06"	
16"	14.66"		15.06"	
17"	16.66"		15.06"	
18"	16.66"		17.06"	
19"	18.66"		17.06"	
20"	18.66"		19.06"	
21"	20.66"		19.06"	
22"	20.66"		21.06"	
23"	22.66"		21.06"	
24"	22.66"		23.06"	
36"	34.66"		35.06"	
48"	46.66"		47.06"	
60"	58.66"		59.06"	
72"	70.66"		71.06"	
84"	82.66"		83.06"	
96"	94.66"		95.06"	

## RGBW DRY DMP 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	
	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-FLAT (01) 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



IQ-DMX-STICK-GA2



IQ-DMX-STICK-DE3





## ESSENTIALS EMBD-FLAT (01) RGBW

24VDC Linear Fixtures - Recessed

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### COMPATIBLE APPS

#### NFC APP



Read and write  
DMX addresses and  
adjust voltage