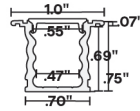
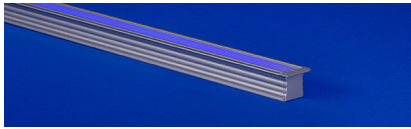




# ESSENTIALS FLUR™-FLAT (01)

## RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed



- Deep flanged recessed fixture
- Choose from diffused, polar, or frosted lens options for varying diode visibility and beam angles
- Offered with an optional mounting tray
- Stainless steel mounting clips
- Features painted end caps to match extrusion finish
- 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

### INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5	6
PRODUCT	WATTS/ FT	CCT	RATED	EFFICIENCY	LENS

### ADDITIONAL INFORMATION REQUIRED TO ORDER

7	8	9	10	11	12	13	14	15
WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
					SST			

Sample Part Number: **FL1RGBW-4.0HE-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

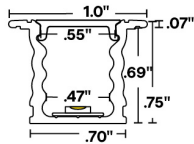
<div>1</div> <div>PRODUCT</div> <div>FL1RGBW</div> <div>See following pages for compatible power supplies.</div> <div>FL1RGBW</div>	<div>2</div> <div>WATTS/FT</div> <div>4.0HE 4.0W/ft HE</div> <div>8.0HE 8.0W/ft HE</div>	<div>3</div> <div>CCT</div> <div>27 RGBW-2700K 30 RGBW-3000K 35 RGBW-3500K 40 RGBW-4000K</div> <div>27 RGBW-2700K 30 RGBW-3000K 35 RGBW-3500K 40 RGBW-4000K</div>	<div>4</div> <div>RATED</div> <div>DRY IP20 DMP IP54</div> <div>DRY IP20</div>	<div>5</div> <div>EFFICIENCY</div> <div>STD Standard WO White Optics</div> <div>WhiteOptics - Internal coating, greater lumen output</div>	<div>6</div> <div>LENS</div> <div>DF Diffused PR Polar FR Frosted</div> <div>Clear Lens is not available for RGBW-HE. For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages</div>
<div>7</div> <div>WIRE INPUT/OUTPUT</div> <div>SINGLE (Input only) S1 End Feed S2 Bottom Feed</div> <div>PASS THROUGH (Input/output) P1 End Feed P2 Bottom Feed</div>	<div>8</div> <div>CONNECTOR/WIRE IN</div> <div>BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"</div> <div>BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"</div>	<div>9</div> <div>CONNECTOR/WIRE OUT</div> <div>CLS Closed End (No feed)</div> <div>BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"</div>	<div>10</div> <div>WIRE COLOR</div> <div>WH White BK Black</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)		BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)	
<div>11</div> <div>WIRE TYPE</div> <div>CL2 Class 2 CL2P Plenum Rated</div> <div>CL2P only available with bare wire leads (BW)</div>	<div>12</div> <div>MOUNTING</div> <div>SST Stainless Steel</div>	<div>13</div> <div>FINISH</div> <div>ST Satin BK Black CU Custom</div> <div>Custom finishes require a longer lead time, consult factory</div>	<div>14</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>15</div> <div>EXACT/OPTIMAL</div> <div>O Optimal Illumination E Exact 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>	



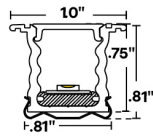
# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

## 1 PRODUCT - DIMENSIONS



Profile



Profile with stainless steel mounting clip and mounting tray

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]  
Tested with FL1RGBW-4.0HE-30-DRY-STD

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
45	27	629	104	516	23	465	64	97
60	28	629	106	516	23	465	65	97
80	29	629	112	516	24	465	69	97
FR	26	629	101	516	22	465	62	97
PR	22	629	83	516	18	465	51	97
DF	16	629	61	516	13	465	38	97

[Calculated L70 = 70000 hrs]  
Tested with FL1RGBW-4.0HE-30-DRY-WO

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
45	30	629	115	516	25	465	71	97
60	30	629	116	516	25	465	71	97
80	31	629	120	516	26	465	74	97
FR	29	629	112	516	24	465	69	97
PR	25	629	95	516	20	465	58	97
DF	19	629	73	516	16	465	45	97

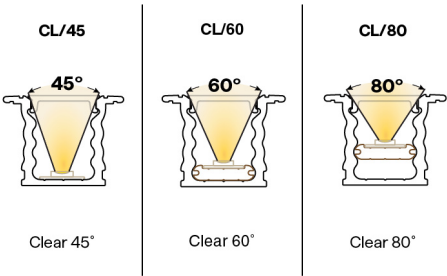
## 6 DIODE VISIBILITY



DF - Diffused lens  
PR - Polar lens  
FR - Frosted lens

## PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.





# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

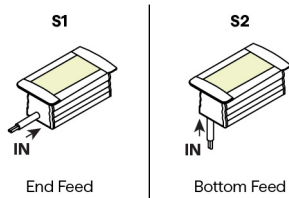
24VDC Linear Fixtures - Recessed

## TEMPERATURE RATINGS

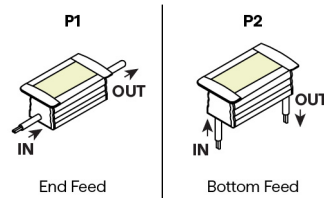
		4.0 HE W/FT		8.0 HE W/FT	
		Min	Max	Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	115°F	-4°F	95°F
	Ambient Operating Temp - Surface	**	**	**	**
DMP	Ambient Operating Temp - Recessed	-4°F	110°F	**	**
	Ambient Operating Temp - Surface	**	**	**	**

## 7 WIRE INPUT/OUTPUT

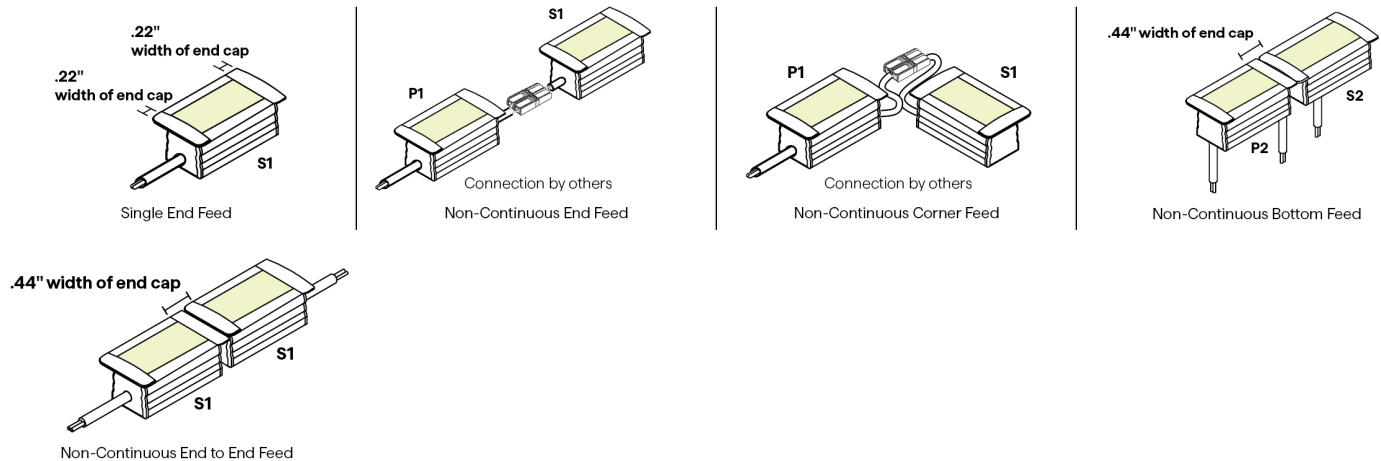
SINGLE (Input only)



PASS THROUGH (Input/Output)

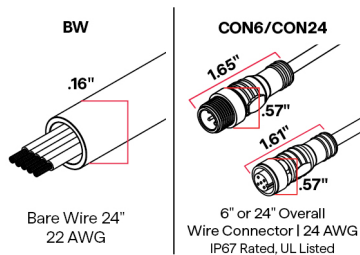


## CONFIGURATION OPTIONS

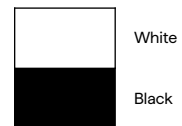


## 8 / 9 CONNECTOR/WIRE - IN/OUT

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



## 10 WIRE COLOR



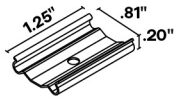


# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

## 12 MOUNTING

SST



Stainless Steel Clip

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

To order separately use SST-01

Each clip comes with a #4 x 5/8" Flat Head SS

## 13 FINISH



Satin

Black

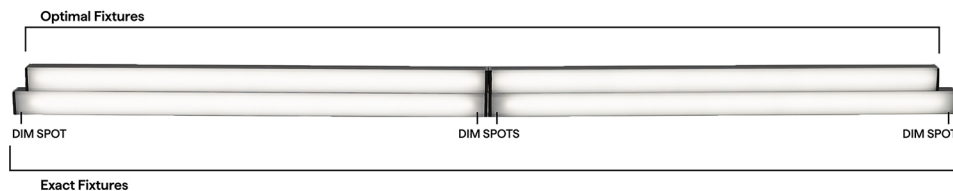
Custom finishes require a longer lead time, consult factory

## 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.





# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

## RGBW-HE DRY DMP 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
	RGBW, RGBW-HE
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with RGBW App Dongle


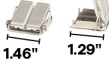




DIMMING PROTOCOL	INDOOR
	RGBW, RGBW-HE
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGBW App Dongle



# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

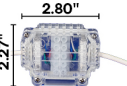
24VDC Linear Fixtures - Recessed

## COMPATIBLE MOUNTING ACCESSORIES

<b>HINGE - HMB-M</b>	<b>HINGE - HMB-L</b>	<b>HINGE - HMB-XL</b>	<b>Q-PIVOT</b>	<b>Q-ANGLE</b>	<b>VHB</b>
					
1.41" .71"	1.46" 1.29"	1.46" 4"	.75" 1.03"	2.23" 1.38"	
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	Double sided mounting tape

## COMPATIBLE WIRING ACCESSORIES




**Q-mini-J5**



2.80"  
2.27"

UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

## COMPATIBLE CONTROL ACCESSORIES

<b>SCENE APP DONGLE</b>	<b>IQ-DMX-STICK-GA2</b>	<b>IQ-DMX-STICK-DE3</b>
		
1.36" 2.58"		
Wi-Fi or Bluetooth Connectivity	DMX controller for changing color & dimming	DMX controller for changing color & dimming

## COMPATIBLE APPS

**NFC APP**



Q-NFC

Read and write DMX addresses and adjust voltage