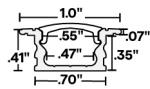
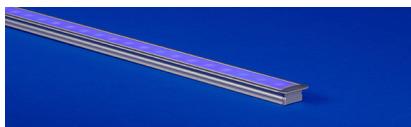




# ESSENTIALS LATO-FLAT (01)

## RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed



- Shallow flanged recessed fixture
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Flanged design merges light source with surface
- 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" cutpoint allowing for minimal diode visibility

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
LT1RGBW	4.0HE									SST				

Sample Part Number: LT1RGBW-4.0HE-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

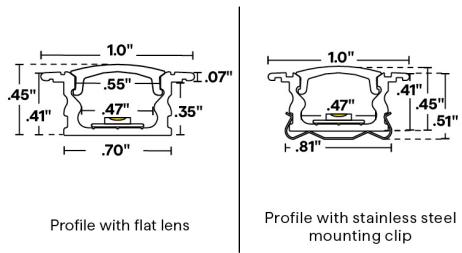
1 <b>PRODUCT</b>  LT1RGBW  See following pages for compatible power supplies.	2 <b>WATTS/FT</b>  4.0HE 4.0W/ft HE	3 <b>CCT</b>  27 RGBW-2700K 30 RGBW-3000K 35 RGBW-3500K 40 RGBW-4000K	4 <b>RATED</b>  DRY IP20 DMP IP54	5 <b>EFFICIENCY</b>  STD Standard WO White Optics  WhiteOptics - Internal coating, greater lumen output	6 <b>LENS</b>  DF Diffused PR Polar FR Frosted  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
7 <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	8 <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"	9 <b>CONNECTOR/WIRE OUT</b>  CLS Closed End (No feed)  BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	10 <b>WIRE COLOR</b>  WH White BK Black		
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)	
11 <b>WIRE TYPE</b>  CL2 Class 2 CL2P Plenum Rated  CL2P only available with bare wire leads (BW)	12 <b>MOUNTING</b>  SST Stainless Steel	13 <b>FINISH</b>  ST Satin BK Black BZ Bronze CU Custom  Custom finishes require a longer lead time, consult factory	14 <b>LENGTH (IN)</b>  Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	15 <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 LATO-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

## 1 PRODUCT - DIMENSIONS



Profile with flat lens

Profile with stainless steel mounting clip

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]  
Tested with LT1RGBW-4.0HE-30-DRY-STD

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	31	629	118	516	26	465	73	97
FR	31	629	118	516	25	465	73	97
PR	26	629	99	516	21	465	61	97
DF	24	629	93	516	20	465	57	97

[Calculated L70 = 70000 hrs]  
Tested with LT1RGBW-4.0HE-30-DRY-WO

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	33	629	128	516	28	465	78	97
FR	33	629	126	516	27	465	78	97
PR	31	629	117	516	25	465	72	97
DF	26	629	101	516	22	465	62	97

## 6 DIODE VISIBILITY



DF - Diffused lens

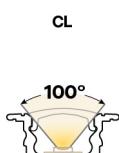
PR - Polar lens

FR - Frosted lens

CL - Clear lens

## PHOTOMETRIC PERFORMANCE

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



Clear 100°



# ESSENTIALS LATO-FLAT (01) RGBW HIGH EFFICACY

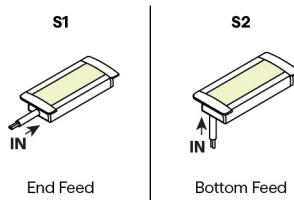
## 24VDC Linear Fixtures - Recessed

### TEMPERATURE RATINGS

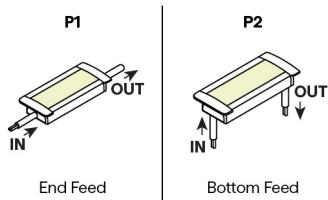
		4.0 HE W/FT	
		Min	Max
DRY	Ambient Operating Temp - Recessed	-4°F	115°F
	Ambient Operating Temp - Surface	**	**
DMP	Ambient Operating Temp - Recessed	-4°F	110°F
	Ambient Operating Temp - Surface	**	**

### 7 WIRE INPUT/OUTPUT

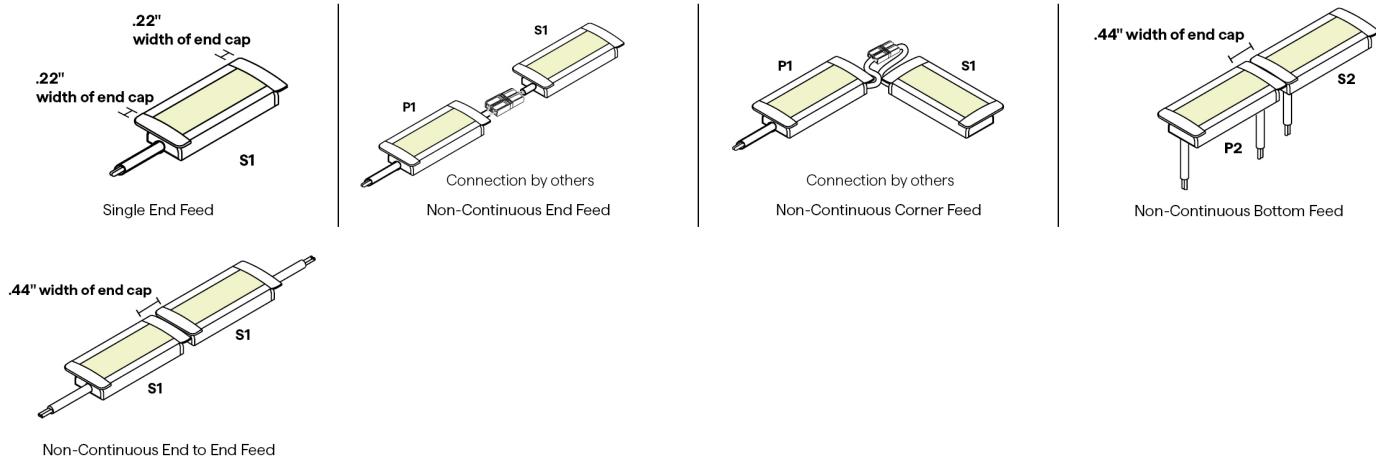
#### SINGLE (Input only)



#### PASS THROUGH (Input/Output)

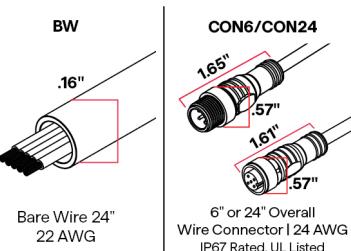


### CONFIGURATION OPTIONS



### 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



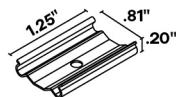


## ESSENTIALS LATO-FLAT (01) RGBW HIGH EFFICACY

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

Bronze

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 LATO-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	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	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	



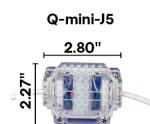
# ESSENTIALS LATO-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

## COMPATIBLE MOUNTING ACCESSORIES

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

## COMPATIBLE WIRING ACCESSORIES



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

## COMPATIBLE CONTROL ACCESSORIES

SCENE APP DONGLE	IQ-DMX-STICK-QA2	IQ-DMX-STICK-DE3
1.36"  2.58" Wi-Fi or Bluetooth Connectivity	DMX controller for changing color & dimming	DMX controller for changing color & dimming

## COMPATIBLE APPS



Read and write DMX addresses and adjust voltage