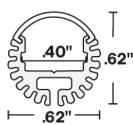
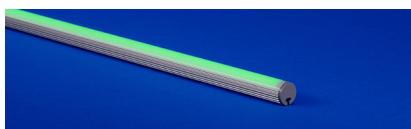




# ESSENTIALS ROND-FLAT (01) RGB

24VDC Linear Fixtures - Surface



- Surface mount linear fixture
- Choose from diffused, frosted or clear lens options
- Unique round profile can be rotated up to 45° in field with included mounting clips
- Stainless steel mounting clips
- Features painted end caps to match extrusion finish
- Red, Green, and Blue LED allows for color changing applications
- Features 7 diodes per 2" cut point

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
RD1RGB	6.0	RGB		STD							SST			

Sample Part Number: RD1RGB-6.0-RGB-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

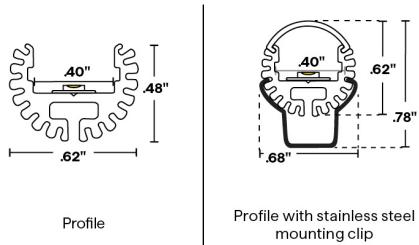
1 <b>PRODUCT</b> RD1RGB See following pages for compatible power supplies.	2 <b>WATTS/FT</b> 6.0 6.0W/ft	3 <b>CCT</b> RGB	4 <b>RATED</b> DRY IP20 DMP IP54	5 <b>EFFICIENCY</b> STD Standard	6 <b>LENS</b> DF Diffused FR Frosted CL Clear For representation of LED visibility, see Diode Visibility section 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	8 <b>CONNECTOR/WIRE IN</b> BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	9 <b>CONNECTOR/WIRE OUT</b> CLS Closed End (No feed)	10 <b>WIRE COLOR</b> WH White BK Black		
P1 Pass Through 1 (Input/output) - End Feed	BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"			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 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 ROND-FLAT (01) RGB

24VDC Linear Fixtures - Surface

## 1 PRODUCT - DIMENSIONS



## 2 DELIVERED LUMENS

[Calculated L70 = 55000 hrs]  
Tested with RD1RGB-6.0-RGB-DRY-STD

	Red		Green		Blue		All
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	
CL	82	633	172	523	47	469	277
FR	80	633	169	523	46	469	271
DF	70	633	147	523	40	469	237

## 6 DIODE VISIBILITY



DF - Diffused 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 93°

## TEMPERATURE RATINGS

		6.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-13°F	100°F
DMP	Ambient Operating Temp - Surface	-13°F	95°F



# ESSENTIALS ROND-FLAT (01) RGB

24VDC Linear Fixtures - Surface

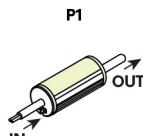
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



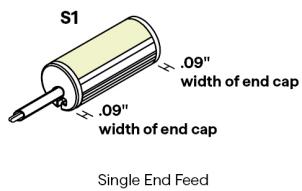
End Feed

PASS THROUGH (Input/Output)

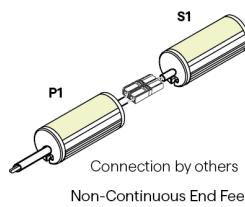


End Feed

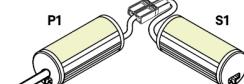
## CONFIGURATION OPTIONS



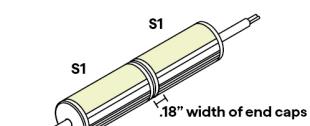
Single End Feed



Connection by others  
Non-Continuous End Feed



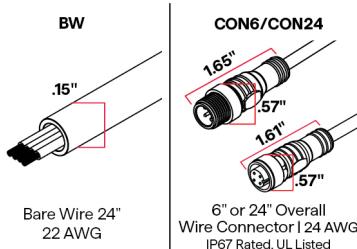
Connection by others  
Non-Continuous Corner Feed



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



Bare Wire 24"  
22 AWG  
6" or 24" Overall  
Wire Connector | 24 AWG  
IP67 Rated, UL Listed

## 10 WIRE COLOR

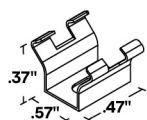


White

Black

## 12 MOUNTING

SST



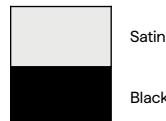
Stainless Steel Clip

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

To order separately use SST-07

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



# ESSENTIALS ROND-FLAT (01) RGB

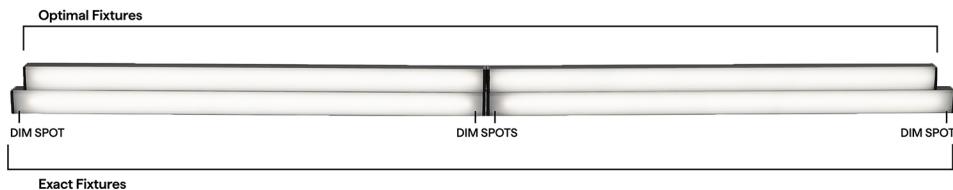
24VDC Linear Fixtures - Surface

## 14 EXACT/OPTIMAL FIXTURE LENGTH

[E/O Length Calculator →](#)

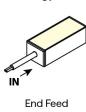
[E/O Explained →](#)

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.

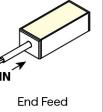
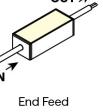


## RGB DRY DMP LENGTHS BY INCH

### 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 	P1 
12"	11.49"	11.14"
13"	12.49"	12.14"
14"	13.49"	13.14"
15"	14.49"	14.14"
16"	15.49"	15.14"
17"	16.49"	16.14"
18"	17.49"	17.14"
19"	18.49"	18.14"
20"	19.49"	19.14"
21"	20.49"	20.14"
22"	21.49"	21.14"
23"	22.49"	22.14"
24"	23.49"	23.14"
36"	35.49"	35.14"
48"	47.49"	47.14"
60"	59.49"	59.14"
72"	71.49"	71.14"
84"	83.49"	83.14"
96"	95.49"	95.14"

## COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	RGB
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 RGB App Dongle



# ESSENTIALS ROND-FLAT (01) RGB

24VDC Linear Fixtures - Surface

DIMMING PROTOCOL	INDOOR
	RGB
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8

## COMPATIBLE MOUNTING ACCESSORIES

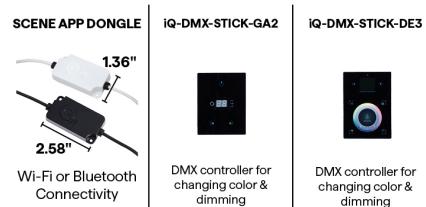


## COMPATIBLE WIRING ACCESSORIES



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

## COMPATIBLE CONTROL ACCESSORIES



## COMPATIBLE APPS

### NFC APP



Read and write DMX addresses and adjust voltage