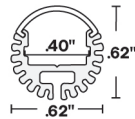
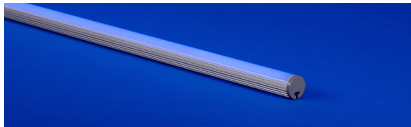




ESSENTIALS ROND-FLAT (01)

RGBW HIGH EFFICACY

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 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
RD1RGBW	4.0HE			STD	

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: **RD1RGBW-4.0HE-30-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

1 PRODUCT RD1RGBW See following pages for compatible power supplies.	2 WATTS/FT 4.0HE 4.0W/ft HE	3 CCT 27 RGBW-2700K 30 RGBW-3000K 35 RGBW-3500K 40 RGBW-4000K	4 RATED DRY IP20 DMP IP54	5 EFFICIENCY STD Standard	6 LENS 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 WIRE INPUT/OUTPUT SINGLE (Input only) S1 End Feed PASS THROUGH (Input/output) P1 End Feed	8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24" BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	9 CONNECTOR/WIRE OUT CLS Closed End (No feed) BW Bare Wire (Standard 24") CON6 Connector 6" CON24 Connector 24"	10 WIRE COLOR WH White BK Black	11 WIRE TYPE CL2 Class 2 CL2P Plenum Rated CL2P only available with bare wire leads (BW)	12 MOUNTING SST Stainless Steel	13 FINISH ST Satin BK Black CU Custom Custom finishes require a longer lead time, consult factory	14 LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12".	15 EXACT/OPTIMAL 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.

BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

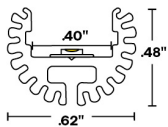
BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)



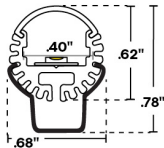
ESSENTIALS ROND-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface

1 PRODUCT - DIMENSIONS



Profile



Profile with stainless steel mounting clip

2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with RD1RGBW-4.0HE-30-DRY-STD

	Red		Green		Blue		3000K	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	CRI
CL	33	629	127	516	27	465	78	97
FR	32	629	124	516	27	465	76	97
DF	28	629	108	516	23	465	67	97

6 DIODE VISIBILITY



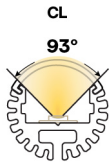
DF - Diffused lens

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

		4.0 HE W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	120°F
DMP	Ambient Operating Temp - Surface	-4°F	115°F



ESSENTIALS ROND-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

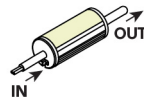
S1



End Feed

PASS THROUGH (Input/Output)

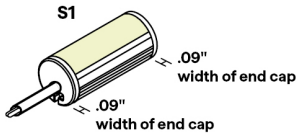
P1



End Feed

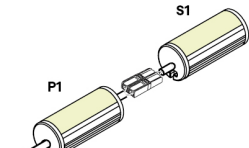
CONFIGURATION OPTIONS

S1



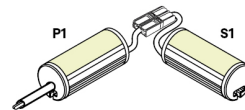
Single End Feed

S1



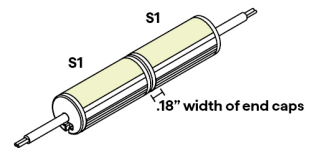
Connection by others
Non-Continuous End Feed

P1



Connection by others
Non-Continuous Corner Feed

S1

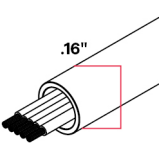


Continuous End to End Feed

8 / 9 CONNECTOR/WIRE - IN/OUT

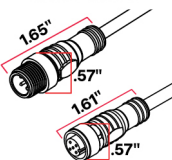
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

BW



Bare Wire 24"
22 AWG

CON6/CON24



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

10 WIRE COLOR

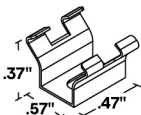


White

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) RGBW HIGH EFFICACY

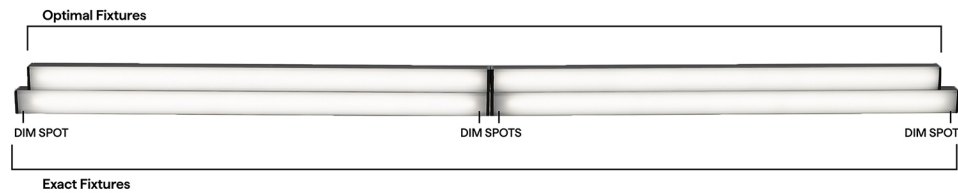
24VDC Linear Fixtures - Surface

14 EXACT/OPTIMAL FIXTURE LENGTH

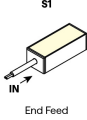
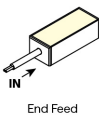
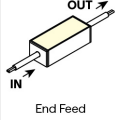
E/O Length Calculator →

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.



RGBW-HE DRY DMP LENGTHS BY INCH

EXACT LENGTH		OPTIMAL LENGTH		
Requested Length	Potential dim spot on either end of a S1 fixture	Requested Nominal Length	S1	P1
				
12"	1"	12"	11.49"	11.14"
13"	0.5"	13"	12.49"	12.14"
14"	1"	14"	13.49"	13.14"
15"	0.5"	15"	14.49"	14.14"
16"	1"	16"	15.49"	15.14"
17"	0.5"	17"	16.49"	16.14"
18"	1"	18"	17.49"	17.14"
19"	0.5"	19"	18.49"	18.14"
20"	1"	20"	19.49"	19.14"
21"	0.5"	21"	20.49"	20.14"
22"	1"	22"	21.49"	21.14"
23"	0.5"	23"	22.49"	22.14"
24"	1"	24"	23.49"	23.14"
36"	1"	36"	35.49"	35.14"
48"	1"	48"	47.49"	47.14"
60"	1"	60"	59.49"	59.14"
72"	1"	72"	71.49"	71.14"
84"	1"	84"	83.49"	83.14"
96"	1"	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
	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



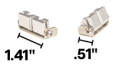
ESSENTIALS ROND-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Surface

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

COMPATIBLE MOUNTING ACCESSORIES


HINGE - HMB-S



1.41" .51"

Adjustable mounting bracket - Small


HINGE - HMB-M



1.41" .71"

Adjustable mounting bracket - Medium


HINGE - HMB-L



1.46" 1.29"

Adjustable mounting bracket - Large


HINGE - HMB-XL



1.46" 4"

Adjustable mounting bracket - XLarge


Q-PIVOT



.75" 1.03"

Small mounting accessory

Q-ANGLE



2.23" 1.38"

Adjustable mounting accessory

COMPATIBLE WIRING ACCESSORIES

Q-mini-J5




2.80" 2.27"

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

COMPATIBLE CONTROL ACCESSORIES


SCENE APP DONGLE



1.36" 2.58"


Wi-Fi or Bluetooth Connectivity

IQ-DMX-STICK-GA2



DMX controller for changing color & dimming

IQ-DMX-STICK-DE3



DMX controller for changing color & dimming

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage