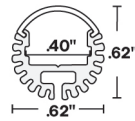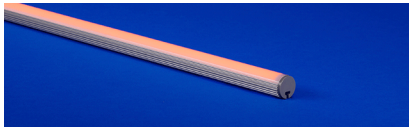# ESSENTIALS ROND-FLAT (01) STATIC COLOR
24VDC Linear Fixtures - Surface

- Surface mount linear fixture
- Choose from diffused, frosted or clear lens options
- Unique round profile can be rotated up to 45° in field with inlcuded mounting clips
- Stainless steel mounting clips
- Features painted end caps to match extrusion finish
- Red, Green, Blue or Amber LEDs available
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations

.40" | .62" | .62"

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
RD1SC	5.0			STD							SST			

Sample Part Number: **RD1SC-5.0-GR-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

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① PRODUCT

RD1SC

See following pages for compatible power supplies.

② WATTS/FT

5.0 5.0W/ft

③ CCT

A	Amber
B	Blue
G	Green
R	Red

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

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⑦ WIRE INPUT/OUTPUT

S1 Single 1 (Input only) - End Feed

P1 Pass Through 1 (Input/output) - End Feed

⑧ CONNECTOR/WIRE IN

BW	Bare Wire (Standard 24")
BRL	Barrel
CON6	Connector 6"
CON24	Connector 24"

BW	Bare Wire (Standard 24")
BRL	Barrel
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)

⑨ CONNECTOR/WIRE OUT

CLS Closed End (No feed)

BW	Bare Wire (Standard 24")
BRL	Barrel
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)

⑩ WIRE COLOR

WH	White
BK	Black
N/A	For Barrel

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⑪ WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated
N/A	For Barrel

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.

ESSENTIALS ROND-FLAT (01) STATIC COLOR
24VDC Linear Fixtures - Surface

1 PRODUCT - DIMENSIONS

Profile

Profile with stainless steel mounting clip
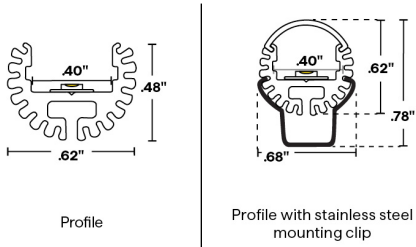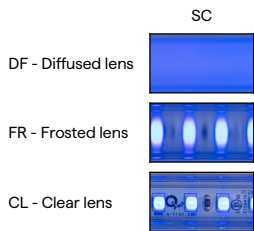
2 DELIVERED LUMENS

[Calculated L70 = 30000 hrs]
Tested with RD1SC-5.0-**-DRY-STD
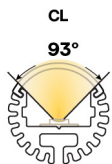
	Red		Green		Blue		Amber	
	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH	LM/FT	WAVELENGTH
CL	107	633	419	517	104	466	65	597
FR	105	633	411	517	102	466	63	597
DF	91	633	358	517	89	466	55	597

6 DIODE VISIBILITY

SC

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.
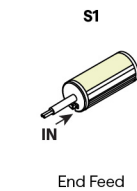
CL

93°

Clear 93°

ESSENTIALS ROND-FLAT (01) STATIC COLOR
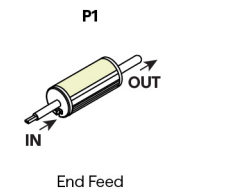## 24VDC Linear Fixtures - Surface

TEMPERATURE RATINGS

		5.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-4°F	110°F
DMP	Ambient Operating Temp - Surface	-4°F	105°F

7 WIRE INPUT/OUTPUT

SINGLE (Input only)

S1

IN

End Feed
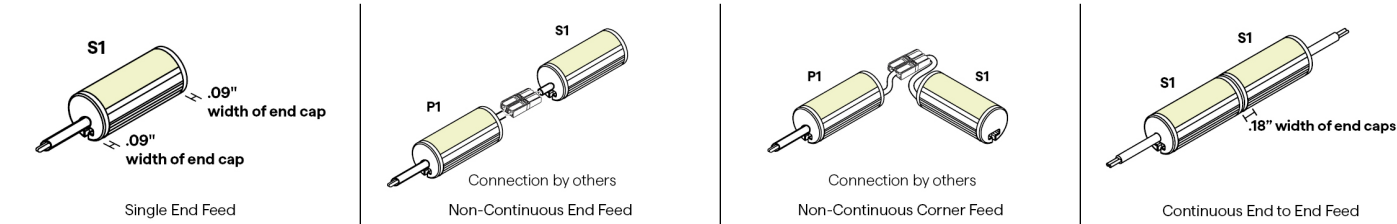
PASS THROUGH (Input/Output)

P1

OUT

IN

End Feed

CONFIGURATION OPTIONS

S1

.09" width of end cap

.09" width of end cap

Single End Feed

S1

P1

Connection by others

Non-Continuous End Feed

P1   **S1**

Connection by others

Non-Continuous Corner Feed
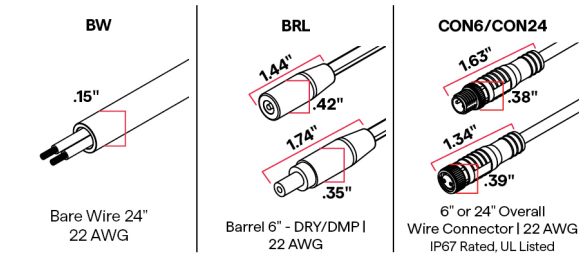
S1

S1

.18" width of end caps

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

.15"
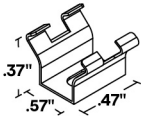
Bare Wire 24"
22 AWG

BRL

1.44"

.42"

1.74"

.35"

Barrel 6" - DRY/DMP |
22 AWG

CON6/CON24

1.63"

.38"

1.34"

.39"

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

10 WIRE COLOR

White

Black

12 MOUNTING

SST

.37"
.57" .47"

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

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.

Optimal Fixtures

DIM SPOT   DIM SPOTS   DIM SPOT
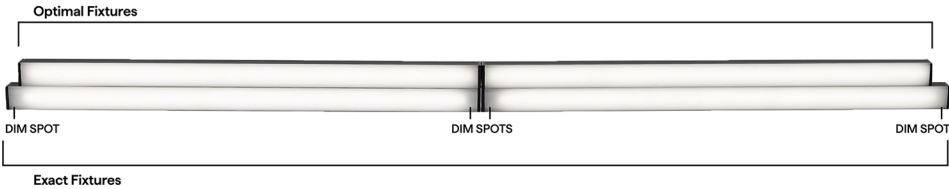
Exact Fixtures

SC DRY DMP LENGTHS BY INCH

EXACT LENGTH

Requested Length	Potential dim spot on either end of a S1 fixture S1 IN 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 S1 IN End Feed	P1 P1 OUT IN End Feed
12"	11.59"	11.34"
13"	12.59"	12.34"
14"	13.59"	13.34"
15"	14.59"	14.34"
16"	15.59"	15.34"
17"	16.59"	16.34"
18"	17.59"	17.34"
19"	18.59"	18.34"
20"	19.59"	19.34"
21"	20.59"	20.34"
22"	21.59"	21.34"
23"	22.59"	22.34"
24"	23.59"	23.34"
36"	35.59"	35.34"
48"	47.59"	47.34"
60"	59.59"	59.34"
72"	71.59"	71.34"
84"	83.59"	83.34"
96"	95.59"	95.34"

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	SC
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP
1%	QTM-eLED(E) QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle
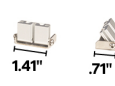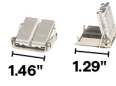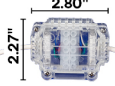
DIMMING PROTOCOL	INDOOR
	SC
Non-Dim	QT-CAB-eLED-ND QTM-eLED-ND QZ-ND
Phase	Q6M-DC+CAP QT-CAB-QZ-PH/0-10V QTM-DC+CAP QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP iQ-PH+QD1
0-10V	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP
Lutron Athena	QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6-AWN
ECO System	QTM-eLED(E)
DMX	QZ-DMX
DALI-2: DT6	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6
SCENE App Dimmed	Non-Dim Power Supply with SW 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-J
2" 1.25"
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

Q-mini-J5
2.80" 2.27"
UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

BARREL-EXT
8ft barrel cable extender DRY ONLY

BARREL FOUR-FER
Splits lead from one to four LED Barrel connector fixtures, DRY/DMP

CON120-EXT
10ft Con cable extender DRY/DMP/WET

CON FOUR-FER
Splits lead from one to four LED Con connectors DRY/DMP/WET

CON M - BARREL F
Male con to barrel cable adaptor DRY/DMP

COMPATIBLE APPS

NFC APP

Read and write
DMX addresses and
adjust voltage