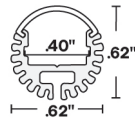
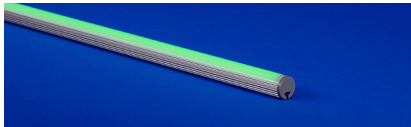




ESSENTIALS ROND-FLAT (01) RGB

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

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|-----------|-----|-------|------------|------|
| PRODUCT | WATTS/ FT | CCT | RATED | EFFICIENCY | LENS |
| RD1RGB | 6.0 | RGB | | 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: **RD1RGB-6.0-RGB-DRY-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

| | | | | | | | |
|--|--|--|--|--|---|---|---|
| 1 PRODUCT RD1RGB See following pages for compatible power supplies. | 2 WATTS/FT 6.0 6.0W/ft | 3 CCT RGB | 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)

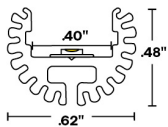
BW: Standard length is 24". Max length is 120".
Request custom length by writing in part number next to BW (example: BW48)



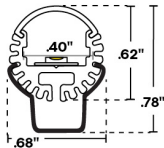
ESSENTIALS ROND-FLAT (01) RGB

24VDC Linear Fixtures - Surface

1 PRODUCT - DIMENSIONS



Profile



Profile with stainless steel mounting clip

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 |

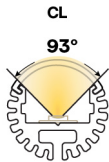
6 DIODE VISIBILITY



- 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)

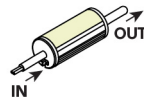
S1



End Feed

PASS THROUGH (Input/Output)

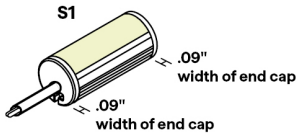
P1



End Feed

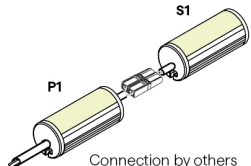
CONFIGURATION OPTIONS

S1



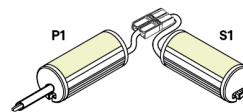
Single End Feed

S1



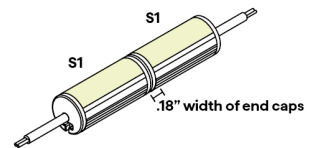
Non-Continuous End Feed

P1



Non-Continuous Corner Feed

S1

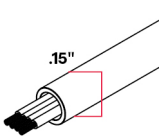


Continuous End to End Feed

8 / 9 CONNECTOR/WIRE - IN/OUT

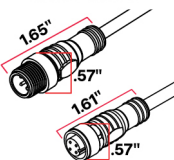
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out

BW



Bare Wire 24"
22 AWG

CON6/CON24



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

10 WIRE COLOR

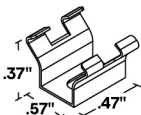


White

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) RGB

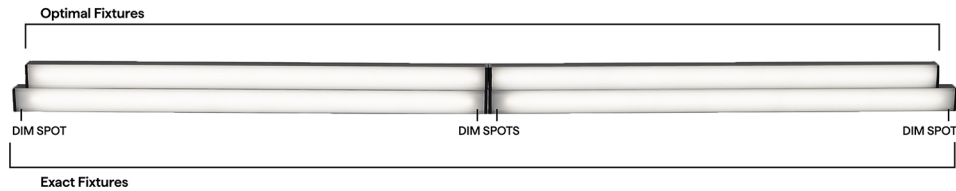
24VDC Linear Fixtures - Surface

14 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator →

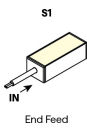
E/O Explained →

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.

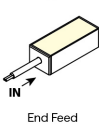
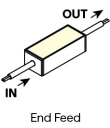


RGB DRY DMP LENGTHS BY INCH

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

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