# OPTI-FLAT (01) RGB
## 24VDC Linear Fixtures - Surface & Recessed

c(UL)us LISTED | RoHS COMPLIANT | 5 YEAR WARRANTY | Red List Approved Declare.

.53"
1.00"

- Choose from diffused, polar or frosted lens options for varying diode visibility and beam cutoff
- Delivers smooth and consistent light to highlight architectural features and surfaces
- Ideal for surface-mounted installations
- Integrated metal end caps combined with an extruded aluminum housing give this fixture a polished modern look

| ① PRODUCT | ② WATTS/ FT | ③ CCT | ④ RATED | ⑤ LENS | ⑥ WIRE INPUT/ OUTPUT | ⑦ CONNECTOR/ WIRE IN | ⑧ CONNECTOR/ WIRE OUT | ⑨ WIRE COLOR | ⑩ WIRE TYPE | ⑪ MOUNTING | ⑫ FINISH | ⑬ LENGTH (IN) | ⑭ EXACT/ OPTIMAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OP1RGB | 6.0 | RGB | | | | | | | | CC | | | |

Sample Part Number: **OP1RGB-6.0-RGB-DRY-DF-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

### 1 PRODUCT

**OP1RGB**

See following pages for compatible power supplies.

### 2 WATTS/FT

**6.0**   6.0W/ft

### 3 CCT

**RGB**

### 4 RATED

| DRY | IP20 |
| DMP | IP54 |
| WET | IP67 |

Can be suitable for exterior use. Contact factory for more information

### 5 LENS

| DF | Diffused |
| PR | Polar |
| FR | Frosted |

### 6 WIRE INPUT/OUTPUT

| 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 |

For continuous mounting, consider bottom feed.

### 7 CONNECTOR/WIRE IN

| BW | Bare Wire (Standard 36") |
| CON6 | Connector 6" |
| CON24 | Connector 24" |

| BW | Bare Wire (Standard 36") |
| CON6 | Connector 6" |
| CON24 | Connector 24" |

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### 8 CONNECTOR/WIRE OUT

| CLS | Closed End (No feed) |

| BW | Bare Wire (Standard 36") |
| CON6 | Connector 6" |
| CON24 | Connector 24" |

BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### 9 WIRE COLOR

| WH | White |
| BK | Black |

### 10 WIRE TYPE

| CL2 | Class 2 |
| CL2P | Plenum Rated |

CL2P only available with bare wire leads (BW)

### 11 MOUNTING

| CC | Concealed Clip |

### 12 FINISH

| ST | Satin |
| BK | Black |
| WH | White |
| CU | Custom |

Custom finishes have longer lead times. Non-RAL 9003 whites custom.

### 13 LENGTH (IN)

Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".

### 14 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.

Specification subject to change. Rev-01-13-26

# OPTI-FLAT (01) RGB
## 24VDC Linear Fixtures - Surface & Recessed

## 1 PRODUCT - DIMENSIONS

.53"
1.00"

Profile

.60"
1.00"
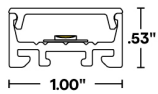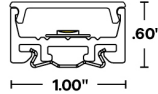
Profile with
concealed clip

## 2 DELIVERED LUMENS

[Calculated L70 = 52000 hrs]
Tested with OP1RGB-6.0-RGB-DRY-**

|  | Red | | Green | | Blue | | All |
|---|---|---|---|---|---|---|---|
|  | LM/FT | Wavelength | LM/FT | Wavelength | LM/FT | Wavelength | LM/FT |
| FR | 80 | 628 | 175 | 522 | 47 | 469 | 290 |
| PR | 76 | 628 | 167 | 522 | 45 | 469 | 274 |
| DF | 69 | 628 | 149 | 522 | 41 | 469 | 246 |

## TEMPERATURE RATINGS

|  |  | 6.0 W/FT | |
|---|---|---|---|
|  |  | Min | Max |
| DRY | Ambient Operating Temp - Surface | -13°F | 110°F |

## PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.
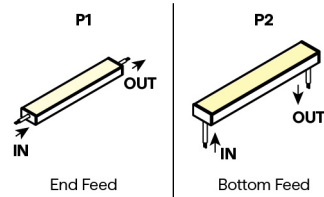
**6W/ft | Green**          Diffused Lens

118.3°
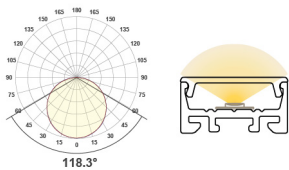
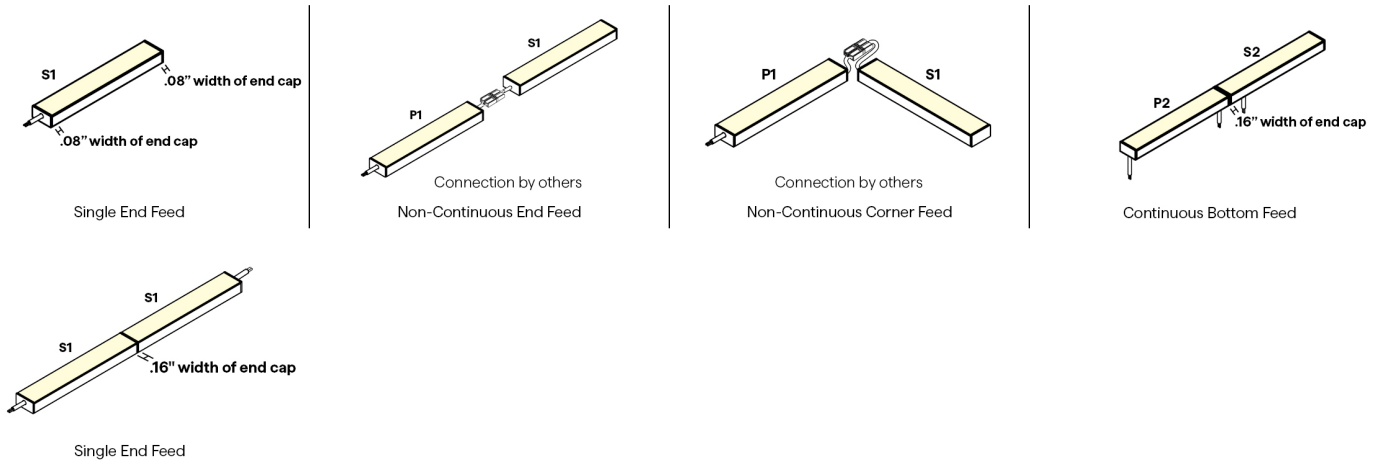# OPTI-FLAT (01) RGB
## 24VDC Linear Fixtures - Surface & Recessed
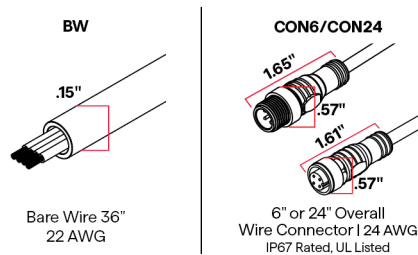
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## 6 WIRE INPUT/OUTPUT

SINGLE (Input only)



**S1** — End Feed

**S2** — Bottom Feed
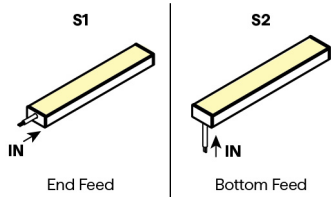
PASS THROUGH (Input/Output)



**P1** — End Feed

**P2** — Bottom Feed

## CONFIGURATION OPTIONS



Single End Feed
.08" width of end cap
.08" width of end cap

Non-Continuous End Feed
Connection by others

Non-Continuous Corner Feed
Connection by others

Continuous Bottom Feed
.16" width of end cap

Single End Feed
.16" width of end cap

## 7 / 8 CONNECTOR/WIRE – IN/OUT



**BW**
.15"
Bare Wire 36"
22 AWG

**CON6/CON24**
1.65"
.57"
1.61"
.57"
6" or 24" Overall
Wire Connector | 24 AWG
IP67 Rated, UL Listed

## 9 WIRE COLOR



White

Black

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# OPTI-FLAT (01) RGB
## 24VDC Linear Fixtures - Surface & Recessed

## 11 MOUNTING

**CC**
(CC-01)

.18"
.7"
1.25"
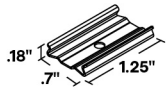
Concealed Clip

2 pieces of hardware provided for 4' or less; 4 pieces of hardware provided for greater than 4'

To order separately use CC-01 (sold in pairs)
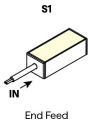
Each clips comes with a #4 x 5/8" Flat Head screw.

## 12 FINISH

Satin

Black

White

Custom finishes require a longer lead time, consult factory

## 14 EXACT/OPTIMAL FIXTURE LENGTH

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
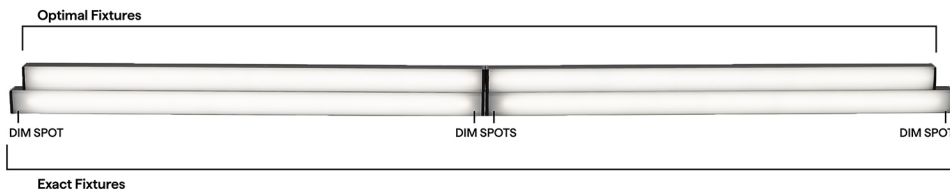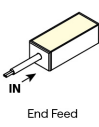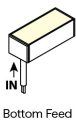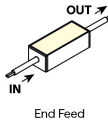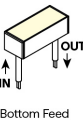
**Exact Fixtures**

## RGB DRY DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

**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**
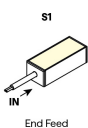
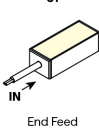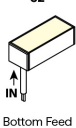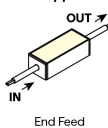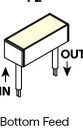| Requested Nominal Length | S1 & S2 (S1 End Feed / S2 Bottom Feed) | P1 & P2 (P1 End Feed / P2 Bottom Feed) |
|---|---|---|
| 12" | 10.51" | 10.86" |
| 13" | 12.51" | 12.86" |
| 14" | 12.51" | 12.86" |
| 15" | 14.51" | 14.86" |
| 16" | 14.51" | 14.86" |
| 17" | 16.51" | 16.86" |
| 18" | 16.51" | 16.86" |
| 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" |

## RGB WET LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 – 1/8". Consult factory for lengths under 12".

**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 (S1 End Feed / S2 Bottom Feed) | P1 & P2 (P1 End Feed / P2 Bottom Feed) |
|---|---|---|
| 12" | 10.66" | 11.06" |
| 13" | 12.66" | 11.06" |
| 14" | 12.66" | 13.06" |
| 15" | 14.66" | 13.06" |
| 16" | 14.66" | 15.06" |
| 17" | 16.66" | 15.06" |
| 18" | 16.66" | 17.06" |
| 19" | 18.66" | 17.06" |
| 20" | 18.66" | 19.06" |
| 21" | 20.66" | 19.06" |
| 22" | 20.66" | 21.06" |
| 23" | 22.66" | 21.06" |
| 24" | 22.66" | 23.06" |
| 36" | 34.66" | 35.06" |
| 48" | 46.66" | 47.06" |
| 60" | 58.66" | 59.06" |
| 72" | 70.66" | 71.06" |
| 84" | 82.66" | 83.06" |
| 96" | 94.66" | 95.06" |

## COMPATIBLE POWER SUPPLIES

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

| DIM TO LEVEL | INDOOR | OUTDOOR |
|---|---|---|
| | RGB | RGB |
| 0.1% | QT-CAB-eLED+DALI-DT8<br>QT-CAB-eLED+DMX<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DMX<br>QZ-DMX | Q-SET-QZ-DMX<br>QOM-eLED+DALI-DT8<br>QOM-eLED+DMX<br>QOM-eLED+PS-DALI-DT8<br>QZ-DMX |
| 1% | QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with RGB App Dongle | |

| DIMMING PROTOCOL | INDOOR | OUTDOOR |
|---|---|---|
| | RGB | RGB |
| DMX | QTM-eLED+DMX<br>QZ-DMX | Q-SET-QZ-DMX<br>QOM-eLED+DMX<br>QZ-DMX |
| DALI-2: DT8 | QT-CAB-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8<br>QZ-DALI-DT8 | Q-SET+QZ-DALI-DT8<br>QOM-eLED+DALI-DT8<br>QZ-DALI-DT8 |

## COMPATIBLE MOUNTING ACCESSORIES



**HINGE - HMB-M** — 1.41" / .71" — Adjustable mounting bracket - Medium

**HINGE - HMB-L** — 1.46" / 1.29" — Adjustable mounting bracket - Large

**HINGE - HMB-XL** — 4" / 1.46" — Adjustable mounting bracket - XLarge

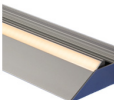**Q-PIVOT** — .75" / 1.03" — Small mounting accessory

**Q-ANGLE** — 2.23" / 1.38" — Adjustable mounting accessory

**QUOVA-STANDARD** — QUOVA Knife Edge
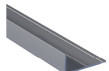
**NJ-LARGE** — J Mounting Bracket

**NU-LARGE** — U Mounting Bracket

**SD-J-LARGE** — J Mounting Bracket

**BL-LARGE** — Backwards L Mounting Bracket

**NL-LARGE** — L Mounting Bracket

**SD-L-LARGE** — L Mounting Bracket

## 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

## COMPATIBLE APPS

**NFC APP**



Read and write
DMX addresses and
adjust voltage