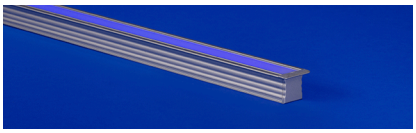
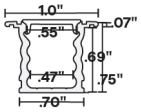
# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed






- Deep flanged recessed fixture
- Choose from diffused, polar, or frosted lens options for varying diode visibility and beam angles
- 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" cutpoint allowing for minimal diode visibility

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| 1 PRODUCT | 2 WATTS/ FT | 3 CCT | 4 RATED | 5 EFFICIENCY | 6 LENS |
|---|---|---|---|---|---|
| | | | | | |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | SST | | | |

Sample Part Number: **FL1RGBW-4.0HE-30-DRY-WO-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

## 1 PRODUCT

**FL1RGBW**
See following pages for compatible power supplies.

**FL1RGBW**

## 2 WATTS/FT

**4.0HE** 4.0W/ft HE

**8.0HE** 8.0W/ft HE

## 3 CCT

| | |
|---|---|
| **27** | RGBW-2700K |
| **30** | RGBW-3000K |
| **35** | RGBW-3500K |
| **40** | RGBW-4000K |

| | |
|---|---|
| **27** | RGBW-2700K |
| **30** | RGBW-3000K |
| **35** | RGBW-3500K |
| **40** | RGBW-4000K |

## 4 RATED

| | |
|---|---|
| **DRY** | IP20 |
| **DMP** | IP54 |

| | |
|---|---|
| **DRY** | IP20 |

## 5 EFFICIENCY

| | |
|---|---|
| **STD** | Standard |
| **WO** | White Optics |

WhiteOptics - Internal coating, greater lumen output

## 6 LENS

| | |
|---|---|
| **DF** | Diffused |
| **PR** | Polar |
| **FR** | Frosted |

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 |
| **S2** | Bottom Feed |

**PASS THROUGH (Input/output)**

| | |
|---|---|
| **P1** | End Feed |
| **P2** | Bottom Feed |

For continuous mounting, consider bottom 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" |

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") |
| **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 |

## 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.

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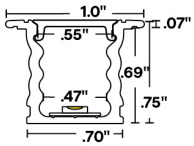
Specification subject to change. Rev-05-07-26

5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies | Patent # D798,471 S

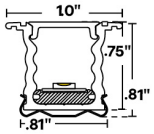
# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

## 1 PRODUCT - DIMENSIONS




Profile




Profile with stainless steel mounting clip and mounting tray

## 2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with FL1RGBW-**-30-DRY-STD

| | 4.0HE W/FT | | | | | | | | 8.0HE W/FT | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Red | | Green | | Blue | | 3000K | | Red | | Green | | Blue | | 3000K | |
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | CRI | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | CRI |
| FR | 26 | 629 | 101 | 516 | 22 | 465 | 62 | 97 | 62 | 629 | 133 | 516 | 32 | 465 | 189 | 97 |
| PR | 22 | 629 | 83 | 516 | 18 | 465 | 51 | 97 | 52 | 629 | 109 | 516 | 26 | 465 | 155 | 97 |
| DF | 16 | 629 | 61 | 516 | 13 | 465 | 38 | 97 | 38 | 629 | 80 | 516 | 19 | 465 | 116 | 97 |

[Calculated L70 = 70000 hrs]
Tested with FL1RGBW-**-30-DRY-WO

| | 4.0HE W/FT | | | | | | | | 8.0HE W/FT | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Red | | Green | | Blue | | 3000K | | Red | | Green | | Blue | | 3000K | |
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | CRI | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | CRI |
| FR | 29 | 629 | 112 | 516 | 24 | 465 | 69 | 97 | 69 | 629 | 147 | 516 | 34 | 465 | 210 | 97 |
| PR | 25 | 629 | 95 | 516 | 20 | 465 | 58 | 97 | 60 | 629 | 125 | 516 | 29 | 465 | 177 | 97 |
| DF | 19 | 629 | 73 | 516 | 16 | 465 | 45 | 97 | 45 | 629 | 96 | 516 | 23 | 465 | 137 | 97 |

## 6 DIODE VISIBILITY



DF - Diffused lens

PR - Polar lens

FR - Frosted lens

## PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.




45°

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# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

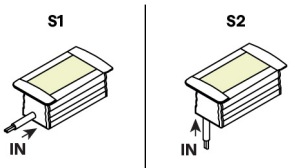
24VDC Linear Fixtures - Recessed

## TEMPERATURE RATINGS

| | | 4.0 HE W/FT | | 8.0 HE W/FT | |
|---|---|---|---|---|---|
| | | Min | Max | Min | Max |
| DRY | Ambient Operating Temp - Recessed | -4°F | 115°F | -4°F | 95°F |
| | Ambient Operating Temp - Surface | ** | ** | ** | ** |
| DMP | Ambient Operating Temp - Recessed | -4°F | 115°F | — | — |
| | Ambient Operating Temp - Surface | ** | ** | — | — |

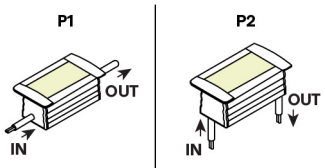
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



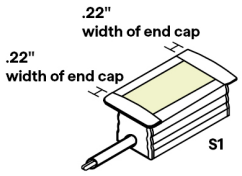

End Feed | Bottom Feed

PASS THROUGH (Input/Output)

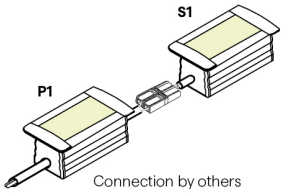



End Feed | Bottom Feed

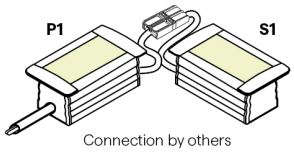
## CONFIGURATION OPTIONS



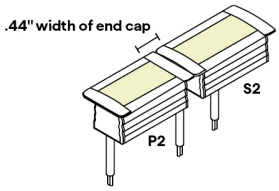

Single End Feed



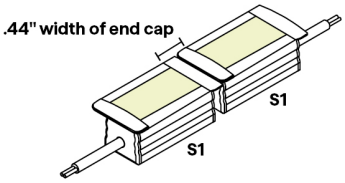

Non-Continuous End Feed




Non-Continuous Corner Feed



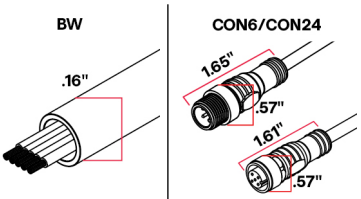

Non-Continuous Bottom Feed




Non-Continuous End to End Feed

## 8/9 CONNECTOR/WIRE – IN/OUT

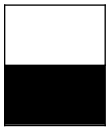
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out




Bare Wire 24"
22 AWG

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

## 10 WIRE COLOR



White

Black

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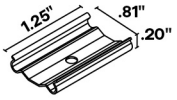
Specification subject to change. Rev-05-07-26

# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

## 12 MOUNTING

**SST**



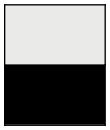

Stainless Steel Clip

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

To order separately use SST-01

Each clip comes with a #4 x 5/8" Flat Head SS

## 13 FINISH



Satin

Black

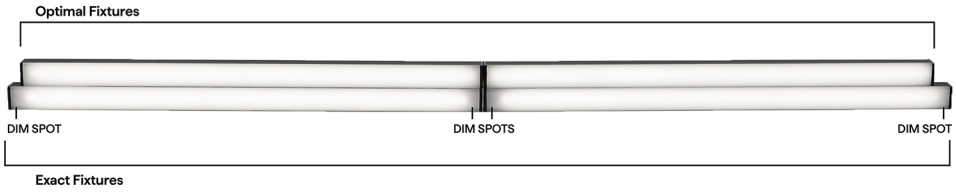
Custom finishes require a longer lead time, consult factory

## 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.



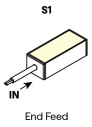

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# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

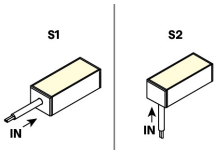
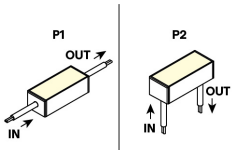
24VDC Linear Fixtures - Recessed

## RGBW-HE 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 & S2   End Feed / Bottom Feed | P1 & P2   End Feed / 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" |

## 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<br>QT-CAB-eLED+DMX<br>QTM-eLED+DALI-DT8<br>QTM-eLED+DMX<br>QZ-DMX |
| 1% | QZ-DALI-DT8 |
| 10% | Non-Dim Power Supply with RGBW App Dongle |

| DIMMING PROTOCOL | INDOOR |
|---|---|
| | RGBW, RGBW-HE |
| DMX | QTM-eLED+DMX<br>QZ-DMX |
| DALI-2: DT8 | QT-CAB-eLED+DALI-DT8<br>QTM-eLED+DALI-DT8<br>QZ-DALI-DT8 |
| SCENE App Dimmed | Non-Dim Power Supply with RGBW App Dongle |

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# ESSENTIALS FLUR™-FLAT (01) RGBW HIGH EFFICACY

24VDC Linear Fixtures - Recessed

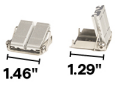
## COMPATIBLE MOUNTING ACCESSORIES

**HINGE - HMB-M**




Adjustable mounting bracket - Medium

**HINGE - HMB-L**




Adjustable mounting bracket - Large

**HINGE - HMB-XL**




Adjustable mounting bracket - XLarge

**Q-PIVOT**




Small mounting accessory

**Q-ANGLE**




Adjustable mounting accessory

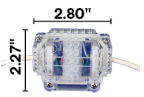
**VHB**



Double sided mounting tape

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J5**




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

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**




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**

Q-NFC

Read and write DMX addresses and adjust voltage

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