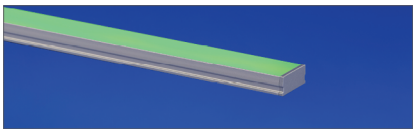
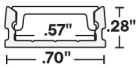
# ESSENTIALS THIN-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed






- Thin, low-profile surface mount linear fixture
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Can be suitable for exterior use when specified as wet, contact factory for more information
- Red, Green, and Blue LED allows for color changing applications
- Features 7 diodes per 2" cut point

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| 1 PRODUCT | 2 WATTS/ FT | 3 CCT | 4 RATED | 5 EFFICIENCY | 6 LENS |
|---|---|---|---|---|---|
| TH1RGB | 6.0 | RGB | | STD | |

**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 |
|---|---|---|---|---|---|---|---|---|
| | | | | CL2 | | | | |

Sample Part Number: **TH1RGB-6.0-RGB-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E**

## 1 PRODUCT

**TH1RGB**

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 WET rated strips are only compatible without a lens

## 5 EFFICIENCY

**STD** Standard

## 6 LENS

**DF** Diffused
**PR** Polar
**FR** Frosted
**CL** Clear
**N/A** For wet rated LED Strips

For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages. WET rated strips are only compatible without a lens.

## 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

## 12 MOUNTING

**SST** Stainless Steel
**M4** Low Profile Magnet
**MG** Magnet

## 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.

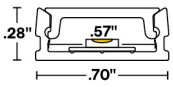
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Specification subject to change. Rev-03-24-26

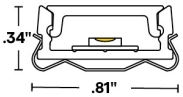
# ESSENTIALS THIN-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

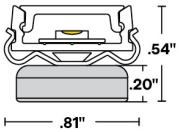
## 1 PRODUCT - DIMENSIONS



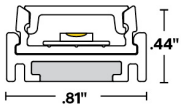

Profile with flat lens




Profile with stainless steel mounting clip




Profile with magnet mounting clip




Profile with low profile magnet

## 2 DELIVERED LUMENS

[Calculated L70 = 55000 hrs]
Tested with TH1RGB-6.0-RGB-DRY-STD

| | Red | | Green | | Blue | | All |
|---|---|---|---|---|---|---|---|
| | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT | WAVELENGTH | LM/FT |
| CL | 76 | 633 | 183 | 523 | 49 | 469 | 294 |
| FR | 75 | 633 | 179 | 523 | 48 | 469 | 287 |
| PR | 70 | 633 | 170 | 523 | 45 | 469 | 273 |
| DF | 64 | 633 | 155 | 523 | 42 | 469 | 249 |

## 6 DIODE VISIBILITY

RGB

DF - Diffused lens



PR - Polar lens



FR - Frosted lens



CL - Clear lens



## TEMPERATURE RATINGS

| | | 6.0 W/FT | |
|---|---|---|---|
| | | Min | Max |
| DRY | Ambient Operating Temp - Surface | -13°F | 100°F |
| DMP | Ambient Operating Temp - Surface | -13°F | 100°F |
| WET | Ambient Operating Temp - Surface | -13°F | 95°F |

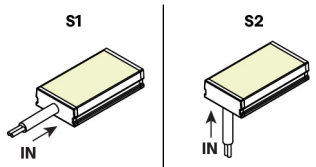
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# ESSENTIALS THIN-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

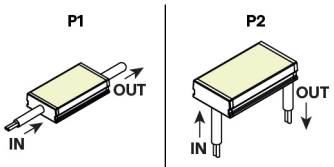
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



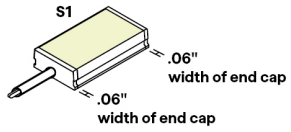

End Feed | Bottom Feed

PASS THROUGH (Input/Output)

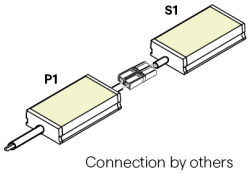



End Feed | Bottom Feed

## CONFIGURATION OPTIONS

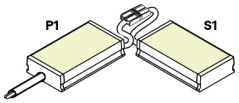



Single End Feed



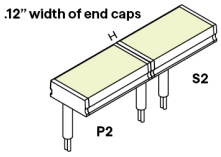

Connection by others

Non-Continuous End Feed

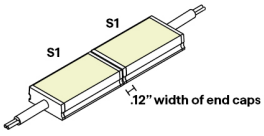



Connection by others

Non-Continuous Corner Feed



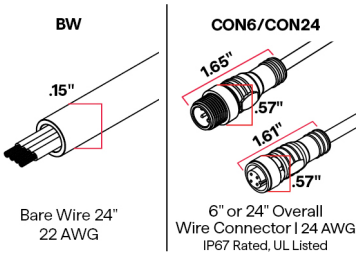

Continuous Bottom Feed




Continuous End to End Feed

## 8/9 CONNECTOR/WIRE – IN/OUT

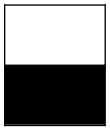
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out




Bare Wire 24"
22 AWG

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

## 10 WIRE COLOR



White

Black

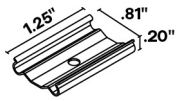
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# ESSENTIALS THIN-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

## 12 MOUNTING

**SST**



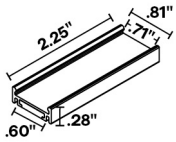

Stainless Steel Clip

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

**M4**

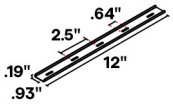



Low Profile Magnet

One M4 provided per foot.

To order separately use MG-04

**MMA-04**



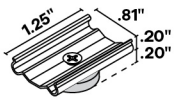

Magnet Mount Accessory for M4

Sold separately, to order use MMA-04

Each bracket comes with 2 #6 x 5/8 Flat Head SS

Required when mounting to a non-magnetic surface

**MG**

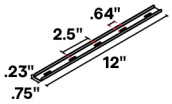



Magnet Clip

One MG provided per foot

To order separately use MG-01

**MMA-01**



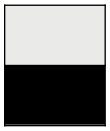

Magnet Mount Accessory of MG-01

Sold separately, to order use MMA-01

Each bracket comes with 2 #6 x 5/8" Flat Head SS

Required when mounting to a non-magnetic surface

## 13 FINISH



Satin

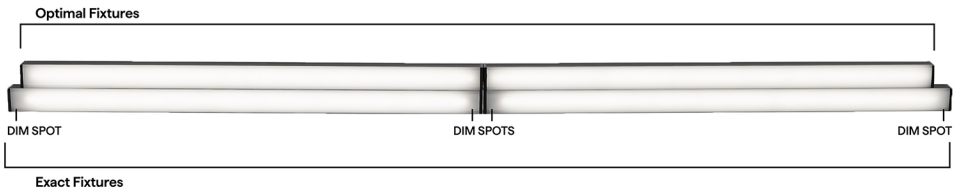
Black

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.



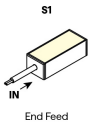

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# ESSENTIALS THIN-FLAT (01) RGB

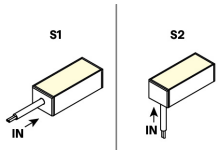
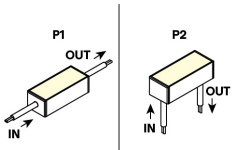
24VDC Linear Fixtures - Surface & Recessed

## RGB DRY DMP LENGTHS BY INCH

### EXACT LENGTH

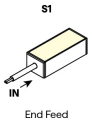
| Requested Length | Potential dim spot on either end of a S1 fixture   |
|---|---|
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1" |
| 72" | 1" |
| 84" | 1" |
| 96" | 1" |

### OPTIMAL LENGTH

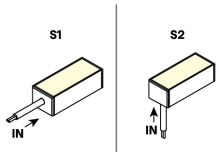
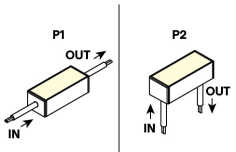
| Requested Nominal Length | S1 & S2   | P1 & P2   |
|---|---|---|
| 12" | 10.51" | 10.86" |
| 13" | 12.51" | 12.86" |
| 14" | 12.51" | 12.86" |
| 15" | 14.51" | 14.86" |
| 16" | 14.51" | 14.86" |
| 17" | 16.51" | 16.86" |
| 18" | 16.51" | 16.86" |
| 19" | 18.51" | 18.86" |
| 20" | 18.51" | 18.86" |
| 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

### 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   | P1 & P2   |
|---|---|---|
| 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" |

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# ESSENTIALS THIN-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE POWER SUPPLIES

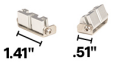
See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

| 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 |

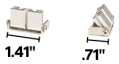
## COMPATIBLE MOUNTING ACCESSORIES

**HINGE - HMB-S**



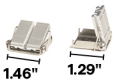

Adjustable mounting bracket - Small

**HINGE - HMB-M**




Adjustable mounting bracket - Medium

**HINGE - HMB-L**




Adjustable mounting bracket - Large

**HINGE - HMB-XL**




Adjustable mounting bracket - XLarge

**Q-PIVOT**



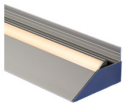

Small mounting accessory

**Q-ANGLE**




Adjustable mounting accessory

**QUOVA-STANDARD**



QUOVA Knife Edge

**NJ-MEDIUM**



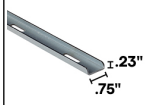
J Mounting Bracket

**SD-L-MEDIUM**



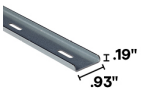
L Mounting Bracket

**MMA-01**




Magnet Mount Accessory of MG-01

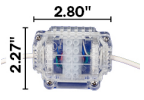
**MMA-04**




Magnet Mount Accessory of MG-04

## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J5**




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

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Specification subject to change. Rev-03-24-26

# ESSENTIALS THIN-FLAT (01) RGB

24VDC Linear Fixtures - Surface & Recessed

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**




Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS

**NFC APP**




Read and write DMX addresses and adjust voltage

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