tgs

# STRIA™ EVO 3R

Selectable Direct Linear




## OPTICS



**Direct:** PCD/PCR

## APPLICATIONS

Commercial, Retail, Office, Public Spaces

## FEATURES

***Stria™ (pronounced STRY-uh) comes from the Latin word for "line," referencing the clean, finely etched line of light it creates in a space. This linear series is engineered for crisp, continuous illumination with a refined architectural presence. In recessed applications, Stria™ delivers a sleek 2.75-inch profile with selectable color temperatures, offering flexibility to suit a range of spaces.***

**Construction**
- Precision-cut housing extruded from 6063 aluminum
- Die-cast aluminum end caps ensure a robust and clean construction

**Electrical & Technical**
- Input Voltage: 120-277V
- Input Frequency: 60Hz
- Projected Life: L70 > 100,000 hrs
- PF: >0.9
- CRI: ≥90
- THD: <15%
- Selectable Lumen Output
- CCT Selectable:
  C1: 2700K/3500K/4000K
  C2: 3000K/3500K/4000K
  C3: 3500K/4000K/5000K
- Operating Temp.: -13°F~122°F
- 8W Emergency Backup (Option)
- Damp Locations Rated

**Dimming**
- 0-10V Dim to 1%

**Efficacy**
- Up to 125 Lm/W

**Finish**
- White
- Black
- Silver
- Custom*

**Optical**
- PC Diffuser

**Installation**
- Recessed mount

**Warranty**
- 5 Year Warranty. See warranty documentation for more information

3CCT Field Selectable | Power Selectable | 90+ CRI | Damp Location | DLC LISTED | ETL US Intertek

## ORDERING INFORMATION

**EXAMPLE: S3R-2-L-C2-PCD-U-D-BK**

S3R

| Series | Length | Output[2] | CCT | Optic - Direct | Voltage[2] | Dimming[2] | Finish |
|---|---|---|---|---|---|---|---|
| S3R | 2 - 2 feet[2]<br>3 - 3 feet<br>4 - 4 feet[2]<br>8 - 8 feet[2]<br>XX' - Continuous Row[1] | Power<br>L - Lumen Selectable | C1 - 2700K / 3500K / 4000K<br>C2 - 3000K / 3500K / 4000K[2]<br>C3 - 3500K / 4000K / 5000K | PCD - PC Diffuser (Standard)<br>Continuous Run Lens:<br>Order S3-PCR Separately | U - 120-277V<br>Universal Voltage | D - 0-10V Dim to 1% | BK - Black[2]<br>WH - White[2]<br>SV - Silver<br>CU - Custom |

**See Page 2 For Mounting & Accessories**

Notes
1. Specify number of feet for continuous row. 1' increments starting at 2'.
2. Quick ship.
3. Available on 4' and longer configurations only.

## ORDERING INFORMATION

**EXAMPLE: S3R-RMT**

| Mounting | | |
|---|---|---|
| S3R-RMT [T-Grid Flangeless Recessed Mount] | S3R-2-RMF-WH [2ft - Flanged Recessed Mount - White[2]] | S3R-2-RMM [2ft - Recessed Trimless Mud-in] |
| | S3R-2-RMF-BK [2ft - Flanged Recessed Mount - Black[2]] | S3R-3-RMM [3ft - Recessed Trimless Mud-in] |
| | S3R-2-RMF-SV [2ft - Flanged Recessed Mount - Silver] | S3R-4-RMM [4ft - Recessed Trimless Mud-in] |
| | S3R-2-RMF-CU [2ft - Flanged Recessed Mount: Custom Color] | S3R-8-RMM [8ft - Recessed Trimless Mud-in] |
| | S3R-3-RMF-WH [3ft - Flanged Recessed Mount - White] | |
| | S3R-3-RMF-BK [3ft - Flanged Recessed Mount - Black] | |
| | S3R-3-RMF-SV [3ft - Flanged Recessed Mount - Silver] | |
| | S3R-3-RMF-CU [3ft - Flanged Recessed Mount: Custom Color] | |
| | S3R-4-RMF-WH [4ft - Flanged Recessed Mount - White[2]] | |
| | S3R-4-RMF-BK [4ft - Flanged Recessed Mount - Black[2]] | |
| | S3R-4-RMF-SV [4ft - Flanged Recessed Mount - Silver] | |
| | S3R-4-RMF-CU [4ft - Flanged Recessed Mount: Custom Color] | |
| | S3R-8-RMF-WH [8ft - Flanged Recessed Mount - White[2]] | |
| | S3R-8-RMF-BK [8ft - Flanged Recessed Mount - Black[2]] | |
| | S3R-8-RMF-SV [8ft - Flanged Recessed Mount - Silver] | |
| | S3R-8-RMF-CU [8ft - Flanged Recessed Mount: Custom Color] | |

## ORDERING INFORMATION

**EXAMPLE: S3-PCR**

| Accessories |
|---|
| S3-PCR [Continuous Run Lens (33ft)] |
| S3-EMI [Internal Emergency Battery Backup 8W [2,3]] |
| S3-EMX [External Emergency Battery Backup 60W] |

Order accessories individually. See Page 1 for note 2 and 3.

## SPECIFICATIONS

**Construction**
- Precision-cut housing extruded from 6063 aluminum
- Die-cast aluminum endcaps ensure a robust and clean construction

**Electrical**
- 8W internal battery backup available.
- CCT Selectable:
  C1: 2700K/3500K/4000K
  C2: 3000K/3500K/4000K
  C3: 3500K/4000K/5000K
- CRI: ≥90

**LED Drivers**
- Class II UL certified driver
- PF: >0.9
- THD: <15%

**Controls**
- 0-10V continuous dimming driver (standard)
- Dimming wires capped with wire-nuts for non-dimming applications
- Compatible with most standard dimming devices

**Linear Load**
- Total connected load:
  - <420W at 120V
  - <960W at 277V

**Lumen Maintenance**
- 90% (L90) of initial light output at 61,000+ hrs
- 70% (L70) of initial light output at 100,000+ hrs

**Emergency Battery Backup**
- Emergency Battery Backup: Available on 4' and longer configurations. UL 924 listed emergency driver provides a minimum 90 minutes of reduced-output illumination. Emergency operation is provided on a per-driver basis; one emergency driver operates the fixture section served by that driver. Fixtures with multiple drivers may be specified with one or more emergency drivers depending on the emergency illumination required. Contact TGS to confirm emergency driver quantity for your fixture length and driver configuration.

**Lengths**
- 2 ft, 3 ft, 4 ft, 8 ft

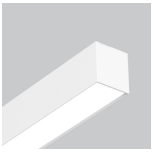
**Finishes**
- Powder coat finishes
- Standard



Black White Silver

- Custom (Any Custom Color Available)

**Optical**



**PC Diffuser**
Standard
PCD

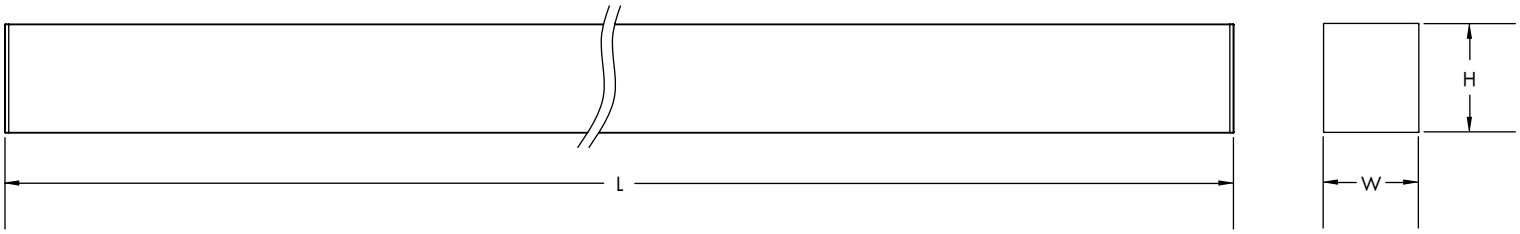


**PC Continuous Run Lens**
S3-PCR

**Installation**
- Recessed Mount

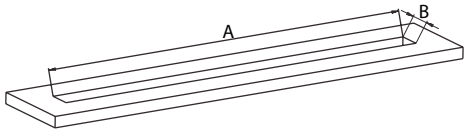
**Weight**
- ~1.4 lbs. per foot

## DIMENSIONS



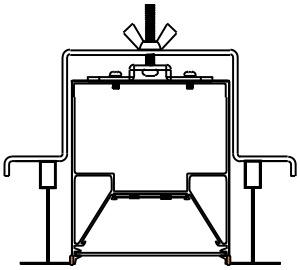

| Size | Dimensions | | |
|---|---|---|---|
| | Length (L) | Width (W) | Height (H) |
| 2′ | 23.85″ | 2.75″ | 3.15″ |
| 3′ | 35.67″ | | |
| 4′ | 47.48″ | | |
| 8′ | 94.72″ | | |

| Size | Ceiling Cutout Dimensions | |
|---|---|---|
| | [A] Length (L) | [B] Width (W) |
| 2′ | 23.93″ | 2.83″ |
| 3′ | 35.75″ | |
| 4′ | 47.55″ | |
| 8′ | 94.80″ | |

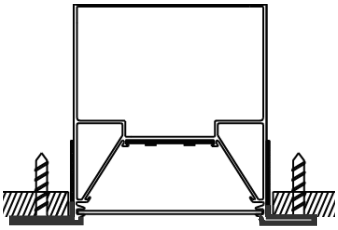



## MOUNTING

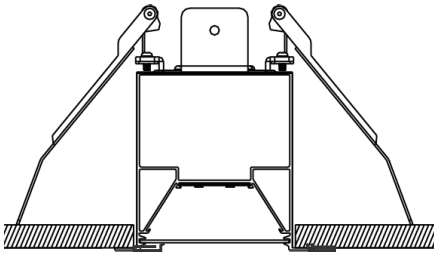
S3R-RMT: Recessed Flangeless T-Grid



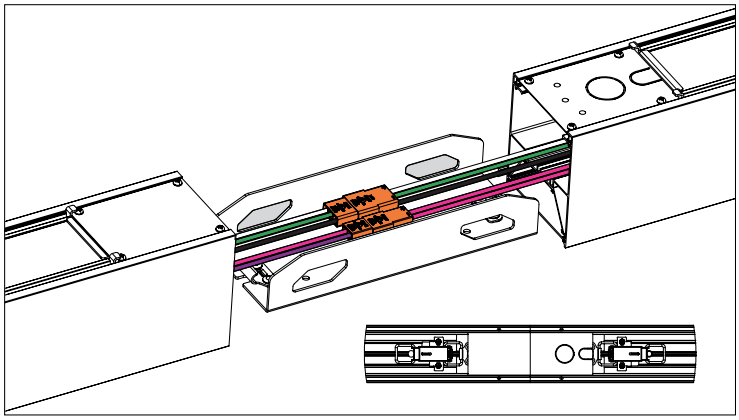
S3R-X-RMM: **Recessed Trimless Mud-in**



S3R-X-RMF-XX: **Recessed Flanged Hard Ceiling**



## CONTINUOUS ROW DIAGRAM



**Continuous Row Bracket**

## ACCESSORIES

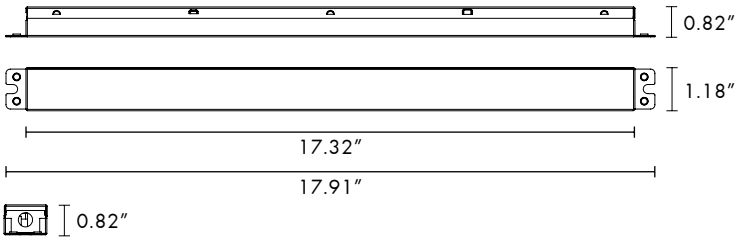
**Emergency Backup**



8W Internal Battery Backup

S3-EMI[3]

**Dimensions**



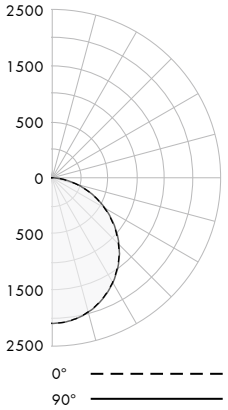

**Features**

- Powers 8W to 200W
- 90-Minute LiFePO4 Battery
- Rated Input Voltage: 100-277VAC,50/60Hz
- Input Current: 20-100mA
- 24-Hour Recharge Time
- Ambient Operating Temperature: 50–140°F
- Service Life: 50,000 Hours
- LED Indicator Light
- UL Listed for Dry & Damp Locations

## PHOTOMETRICS

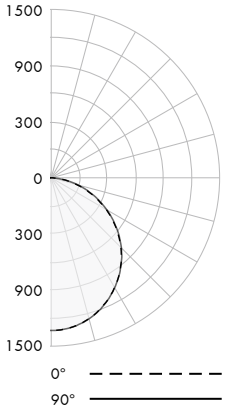
**S3R: 4′ / 4000K**

- **Efficacy:** 125.54 lm/W
- **Lumens/Foot:** 1518.98 lm/ft
- **Nominal Power:** 50W (High)
- **Input Voltage:** 120V (Nominal)




**S3R: 4′ / 4000K**

- **Efficacy:** 130.99 lm/W
- **Lumens/Foot:** 962.76 lm/ft
- **Nominal Power:** 30W (Low)
- **Input Voltage:** 120V (Nominal)




## PERFORMANCE

| 100% Direct | | | | | |
|---|---|---|---|---|---|
| Length | Watts/Foot | Total Watts | Lumens/Foot | Total Lumens | Efficacy |
| 2′ | Low 7.5 W/ft | 15 | 937.5 Lm/Ft | 1875 | 125 Lm/W |
| 3′ | | 22.5 | | 2812.5 | |
| 4′ | | 30 | | 3750 | |
| 8′ | | 60 | | 7500 | |
| 2′ | Medium 10 W/ft | 20 | 1250 Lm/Ft | 2500 | 125 Lm/W |
| 3′ | | 30 | | 3750 | |
| 4′ | | 40 | | 5000 | |
| 8′ | | 80 | | 10000 | |
| 2′ | High 12.5 W/ft | 25 | 1562.5 Lm/Ft | 3125 | 125 Lm/W |
| 3′ | | 37.5 | | 4687.5 | |
| 4′ | | 50 | | 6250 | |
| 8′ | | 100 | | 12500 | |