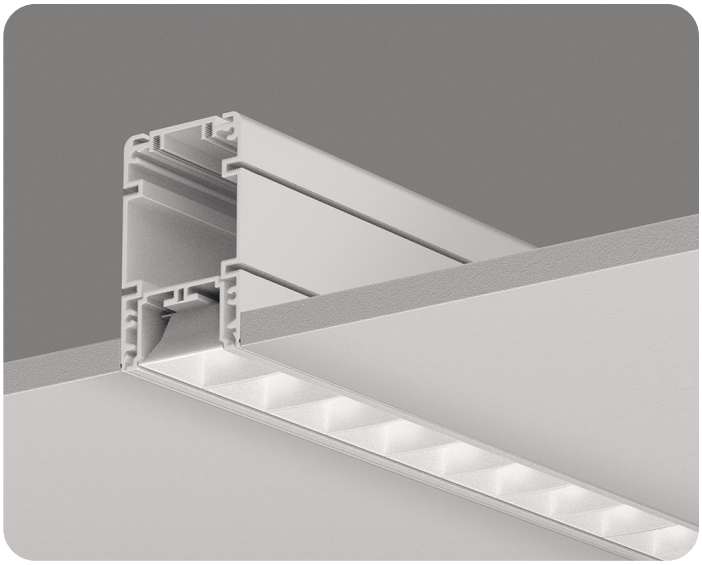
STARTEK
ARCHITECTURAL LIGHTING

| | | | |
|---|---|---|---|
| Rep/Agent | | Type | |
| Project | | | |
| Order No. | | Date | |

# Sculptura Recessed



## Key Features

- Extruded aluminum single piece housing
- Seamless glare eliminating shade
- 2', 4', 6' and 8' individual units or continuous rows
- 0-10V dimming to 1% is standard
- Efficacy up to 130 lm/W
- Consult factory for TM21, TM30, LM79 and LM80

5 Year Warranty · BABA Compliant · BAA Compliant · Intertek · RoHS Compliant · Declare.

## Specifications

### Construction

- Continuous extruded 6063 T5 aluminum

### Dimensions

- Nominal dimensions: 2.1" x 3.5"
- Nominal thickness: 0.075"

### Finish

- Powder coated
- Colors: White or Black
- Custom colors available. Consult factory for more information.

### Luminaire Length

- Standard individual lengths: 2', 4', 6' or 8'
- Using internal joiners, sections can be joined to form longer, continuous rows.
- Field Fit available for wall-to-wall applications.

### Source

- CCT options: 2700K, 3000K, 3500K, 4000K, or 5000K
- Within 3 MacAdam ellipses, 90 CRI (R9 50 min) available, and L70 > 50,000 hours.

### Lensing

- 0.060" thick impact resistant acrylic lens
- Snap-in lens and reflector for easy install

### Operating Temperature

- -40°C to 45°C (-40°F to 113°F)

### Lithium Ion Battery

- Provides up to 780 lm (6W) or up to 1200 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

### Dimming (Integral) Driver

- Constant current programmable LED driver
- Overcurrent protection: 2.5KV ring/wave
- Power factor: <0.93
- THD: <20%
- Max load: 87% efficiency

### Generator Transfer Device

- Luminaires with GTD option provides a UL924 shunt relay to bypass normal power, switches, and 0–10V dimming.

### Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- RoHS (Restriction of Hazardous Substances)
- IC rated
- Chicago Plenum available
- JA8 compliant
- Suitable for dry and damp locations

### Packaging

- Sustainably manufactured outside cardboard box and biodegradable, protective poly-foam luminaire inserts.

### Warranty

- 5-year limited warranty.


The information in this document is subject to change without notice.
Contact STARTEK for most up to date product details.

## Ordering Logic

RSCULPT-20-500-W80-35K-80-PW-TBX-U-1C-1EMB10

| Series | Length | Direct Output[1] | Direct Distribution | CCT | CRI |
|---|---|---|---|---|---|
| RSCULPT | | | | | |
| | **XX -** Run Length | **250 -** 250 LPF | **50° Reflector** | **27K -** 2700K | **80 -** 80 CRI |
| | | **500 -** 500 LPF | **B50 -** Black Reflector | **30K -** 3000K | **90 -** 90 CRI (R9 50 min) |
| | | **750 -** 750 LPF | **W50 -** White Reflector | **35K -** 3500K | |
| | | **1000 -** 1000 LPF | **S50 -** Silver Reflector | **40K -** 4000K | |
| | | **XXX -** Custom LPF | **80° Reflector** | **50K -** 5000K | |
| | | | **B80 -** Black Reflector | **TW -** Tunable White[3] (2700K-6500K) | |
| | | | **W80 -** White Reflector | | |
| | | | **S80 -** Silver Reflector | | |

| Finish[4] | Mounting | | Voltage | Circuiting | Emergency |
|---|---|---|---|---|---|
| **Standard Powder Coat** | **T-Grid** | **Cosmetic Bezel[5]** | **U -** 120-277V | **1C -** Single Circuit | **BLANK -** None |
| **PW -** White | **TBX -** 9/16" Grid 15/16" Grid 9/16" Screw Slotted Grid | **CB -** Screw/Rod Mount | **C -** 347V | **MC -** Multiple Circuits[6, 7] | **EC -** Emergency Circuit[10] |
| **PB -** Black | **TEG9 -** 9/16" Grid (Tegular Tile) | **CBY -** Yoke Mount | | **DL -** Daylight Control[6, 8] | **#EMB6 -** 6W EM Battery[11, 12] |
| **Premium** | **TEG15 -** 15/16" Grid (Tegular Tile) | **Spackle Flange** | | **NL -** Night Lights[6, 9] | **#EMB10 -** 10W EM Battery[11, 12] |
| **RALXXXX -** Powder Coat Gloss Finish | **PT -** Prelude T-Grid (Tegular Tile) | **SF -** Screw/Rod Mount | | | **#FCEMB10 -** 10W EM Battery[11, 13] |
| **Custom Powder Coat** | **TBO -** T-Bar Other (Specify T-Bar Type) | **SFY -** Yoke Mount | | | **#FCEMB14 -** 14W EM Battery[11, 13] |
| **PO -** Powder Other | | | | | **#GTD -** Generator Transfer Device w/ ALCR[14] |

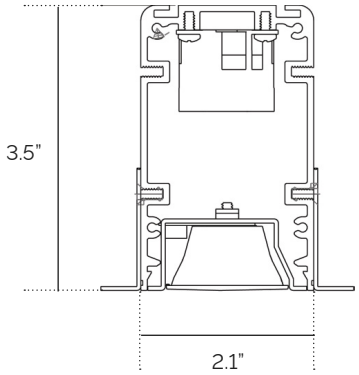
| Options |
|---|
| **Specialty Drivers[15]** |
| **DT1 -** eldoLED EcoDrive Dim to 1% (0-10V) |
| **DTZ -** eldoLED SoloDrive Dim to 0.1% (0-10V) |
| **PSRD -** Philips Sensor Ready (DALI) Driver |
| **LDE1 -** Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black |
| **TW-A -** Tunable White, 0-10V[16] |
| **TW-EL -** eldoLED DUALdrive Tunable White (DALI)[16] |
| **LD2 -** Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming[17] |

**Ordering Notes**

1. 200 LPF min. output / 1500 LPF max. output.
2. Seamless continuous lens unavailable for Drop Lens options.
3. Tunable White Driver must be specified in options.
4. See page 3 for standard options.
5. Bezel color will match fixture color unless otherwise specified, consult factory for options.
6. Customer to specify number of zones and locations through factory submittal drawings.
7. Multiple low and line control zones.
8. Multiple low voltage control zones for daylight control.
9. Multiple unswitched wires for night light control zones.
10. Separate power, transfer devices provided by others.
11. '#' indicates number per run.
12. Provided by Iota/Bodine.
13. EM battery is factory choice.
14. Iota EDS-DR Emergency Control Device
15. Standard driver is 0-10V, dim to 1% output current.
16. 75 Watt Max. Dual driver required for higher fixture wattage.
17. 50 Watt Max. Dual driver required for higher fixture wattage.


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## Dimensions




## Finishes

### Standard

**PW:** White

**PB:** Black

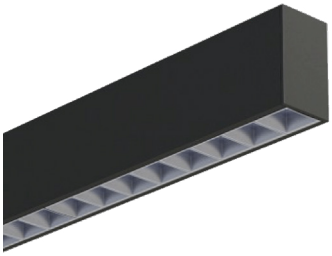
## Diffusing



**Black**
50° or 80°

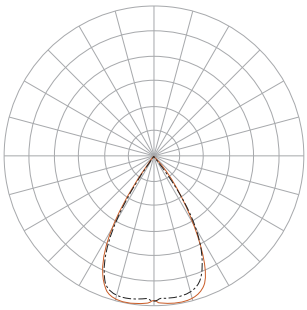


**White**
50° or 80°

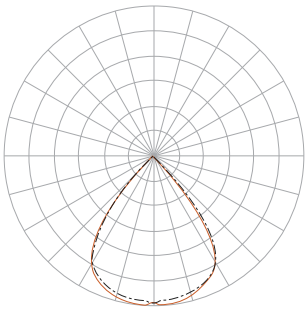


**Silver**
50° or 80°

## Distribution



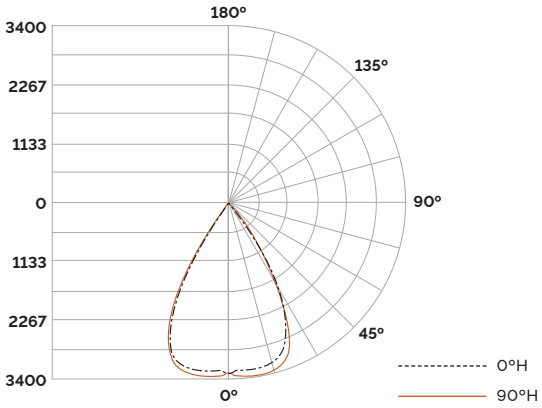
**Direct:** 50° Reflector



**Direct:** 80° Reflector

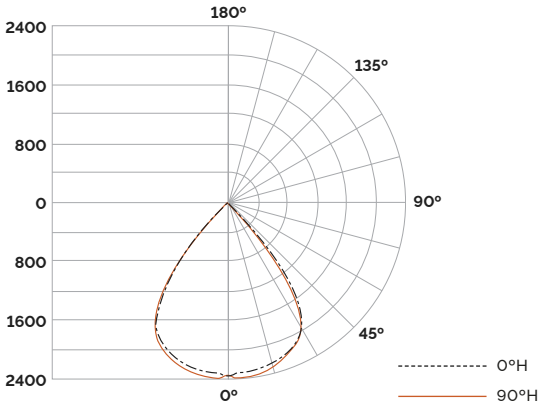
# Performance

## RSCULPT-X-750-B50-35K (80+ CRI)




| CCT | Length | Lumens | Wattage | LPW |
|---|---|---|---|---|
| 3000K | 4' | 3000 | 27 | 110 |
| | 8' | 6000 | 51 | 117 |
| 3500K | 4' | 3000 | 27 | 113 |
| | 8' | 6000 | 50 | 120 |
| 4000K | 4' | 3000 | 26 | 116 |
| | 8' | 6000 | 49 | 123 |
| 5000K | 4' | 3000 | 25 | 120 |
| | 8' | 6000 | 47 | 127 |

## RSCULPT-X-750-B80-35K (80+ CRI)




| CCT | Length | Lumens | Wattage | LPW |
|---|---|---|---|---|
| 3000K | 4' | 3000 | 27 | 113 |
| | 8' | 6000 | 50 | 120 |
| 3500K | 4' | 3000 | 26 | 116 |
| | 8' | 6000 | 49 | 123 |
| 4000K | 4' | 3000 | 25 | 119 |
| | 8' | 6000 | 48 | 126 |
| 5000K | 4' | 3000 | 24 | 123 |
| | 8' | 6000 | 46 | 130 |

# Row Configurations

## XX (Run Length)

The standard construction of run lengths follows the logic of the table below. Consult factory for additional information. Run lengths always start with the longest fixture and receives the power feed.

**NOTE:** Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

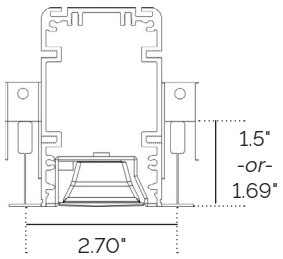
| Total Length (Feet) | # of Sections | | | | | | |
|---|---|---|---|---|---|---|---|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 2 | 1 | | | | | | |
| 3 | | 1 | | | | | |
| 4 | | | 1 | | | | |
| 5 | | | | 1 | | | |
| 6 | | | | | 1 | | |
| 7 | | | | | | 1 | |
| 8 | | | | | | | 1 |
| 9 | | | 1 | 1 | | | |
| 10 | | | 1 | | 1 | | |
| 11 | | 1 | | | | | 1 |
| 12 | | | 1 | | | | 1 |
| 13 | | | | 1 | | | 1 |
| 14 | | | | | 1 | | 1 |
| 15 | | | | | | 1 | 1 |
| 16 | | | | | | | 2 |
| 17 | | | 1 | 1 | | | 1 |
| 18 | | | 1 | | 1 | | 1 |
| 19 | | 1 | | | | | 2 |
| 20 | | | 1 | | | | 2 |
| 21 | | | | 1 | | | 2 |
| 22 | | | | | 1 | | 2 |
| 23 | | | | | | 1 | 2 |
| 24 | | | | | | | 3 |
| 25 | | | 1 | 1 | | | 2 |
| 26 | | | 1 | | 1 | | 2 |
| 27 | | 1 | | | | | 3 |
| 28 | | | 1 | | | | 3 |
| 29 | | | | 1 | | | 3 |
| 30 | | | | | 1 | | 3 |
| 31 | | | | | | 1 | 3 |
| 32 | | | | | | | 4 |
| 33 | | | 1 | 1 | | | 3 |
| 34 | | | 1 | | 1 | | 3 |
| 35 | | 1 | | | | | 4 |
| 36 | | | 1 | | | | 4 |
| 37 | | | | 1 | | | 4 |
| 38 | | | | | 1 | | 4 |
| 39 | | | | | | 1 | 4 |
| 40 | | | | | | | 5 |

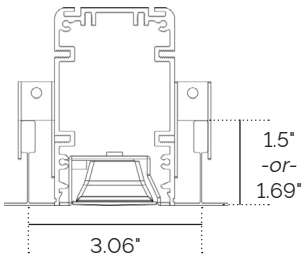
# Mounting

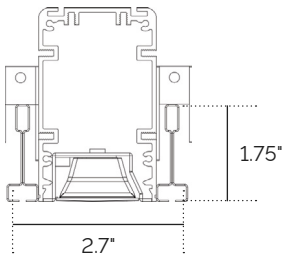
## T-Bar / T-Grid / TBX

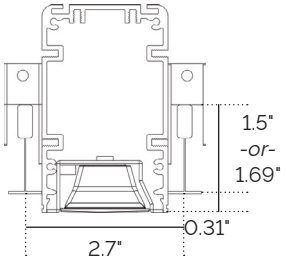
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 2). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid.

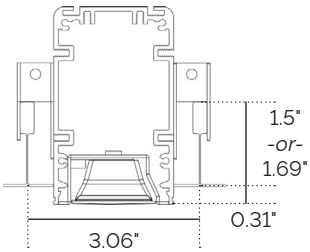
**NOTE:** The mounting option will affect total run length. If a different configuration is needed to meet an aesthetic requirement, please indicate this on your P.O. when placing your order.

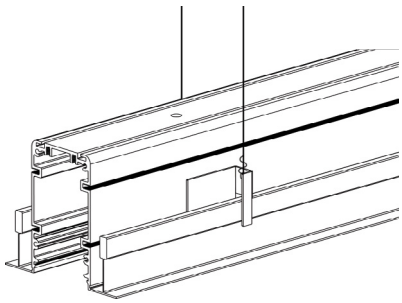


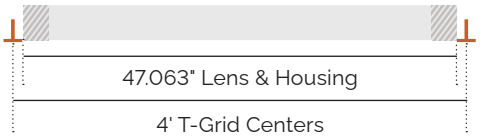



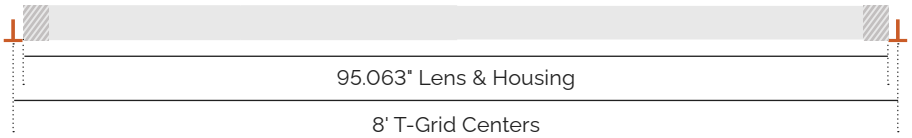



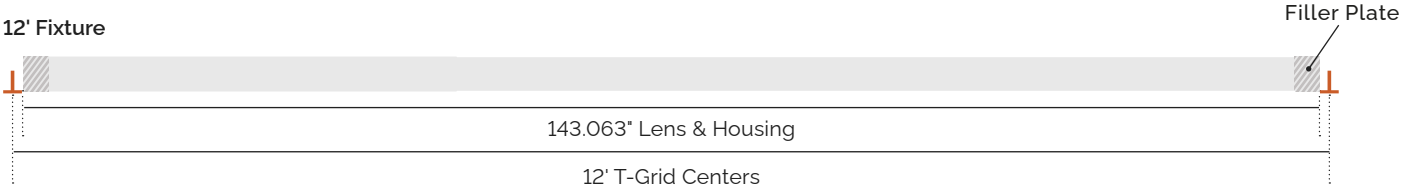
**4' Fixture**

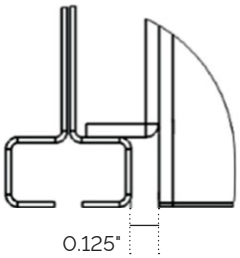



**8' Fixture**

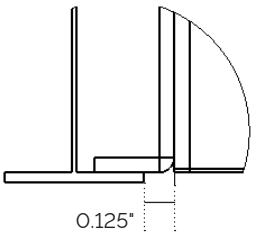



**12' Fixture**

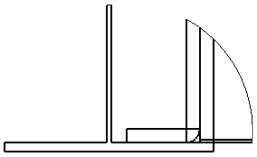


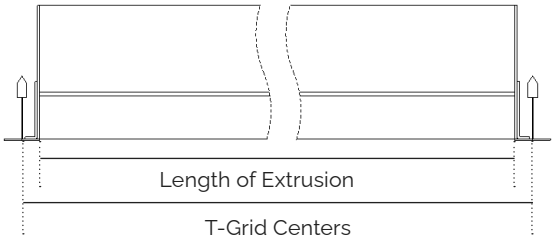

**9/16" Screw Slot**
Detailed View




**9/16" T-Bar**
Detailed View



**15/16" T-Bar**
Detailed View



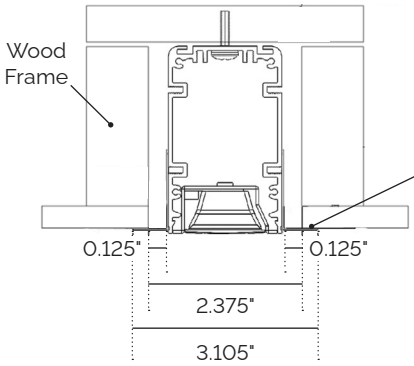


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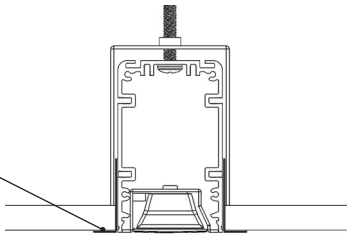
# Mounting

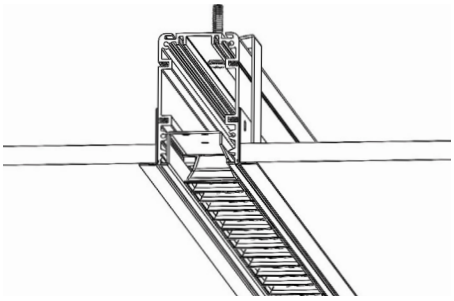
## Cosmetic Bezel

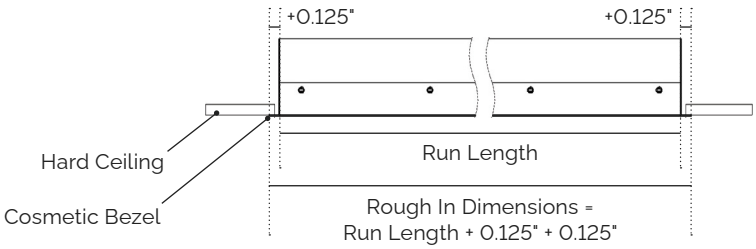
**CB (Screw / Rod Mount)**




**CBY (Yoke Mount)**

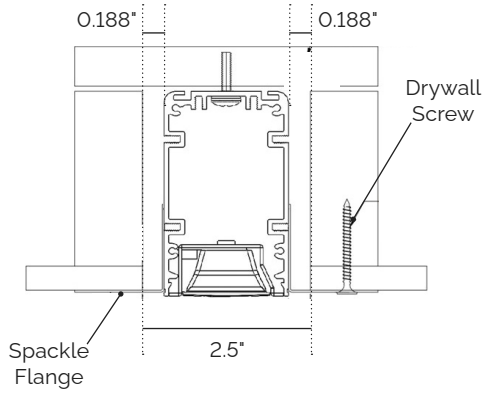




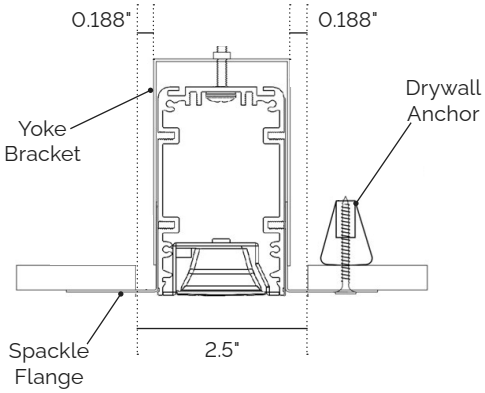


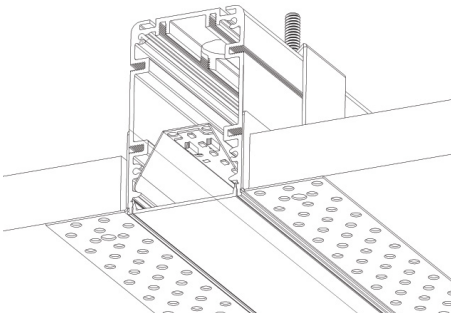

## Spackle Flange

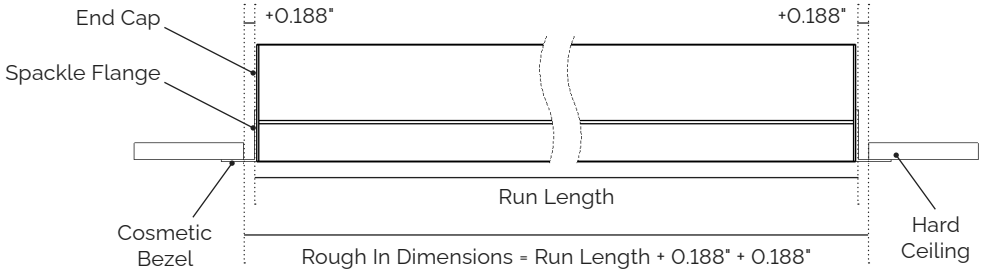
**SF (Screw / Rod Mount)**




**SFY (Yoke Mount)**





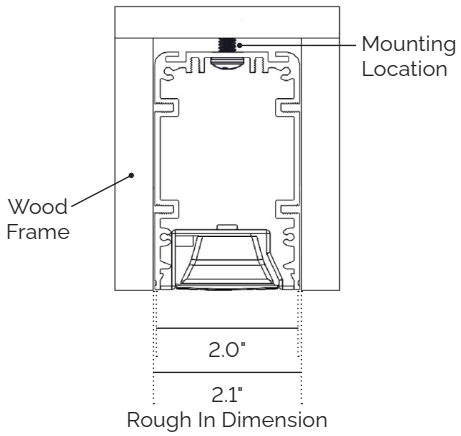


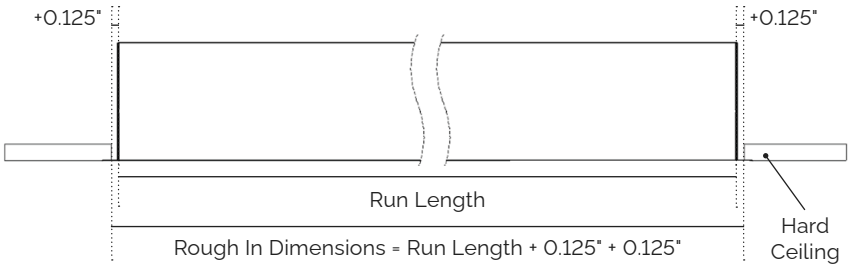
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# Mounting

## Trimless

**TR (Screw / Rod Mount)**



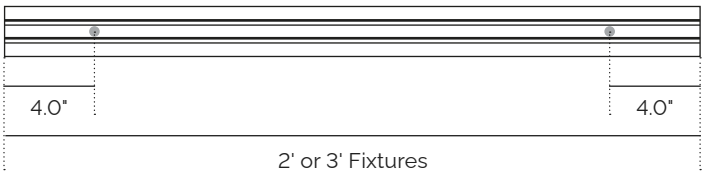



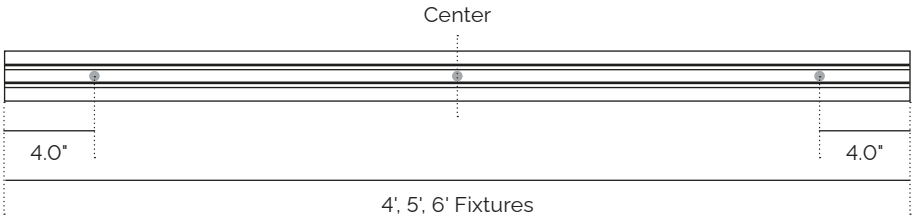

**NOTE:** Hole size at mounting location is Ø 0.266" for 0.25" rod or screw (provided by others).

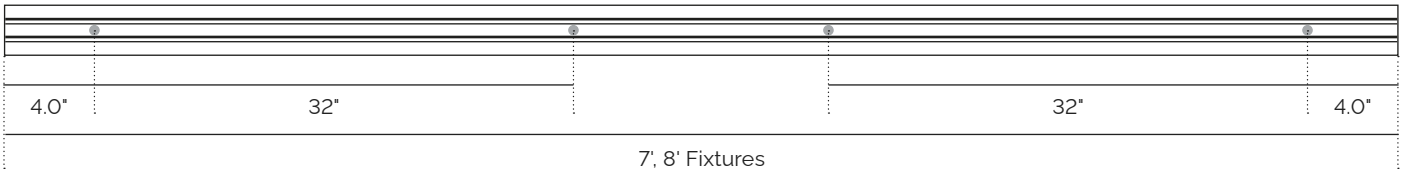
# Mounting Locations

## Spackle Flange (SF), Cosmetic Bezel (BZ), Trimless (TR)

Mounting locations (●) will vary depending on fixture length. See below for individual fixtures and runs view, showing the top of fixtures.



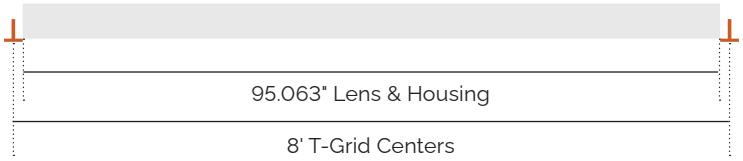



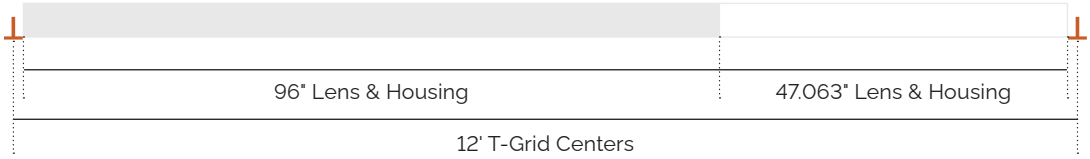



## Individual & Continuous Run (T-Grid)

The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 2). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. If a different configuration is needed to meet an aesthetic requirement, please indicate this on your P.O. when placing your order.

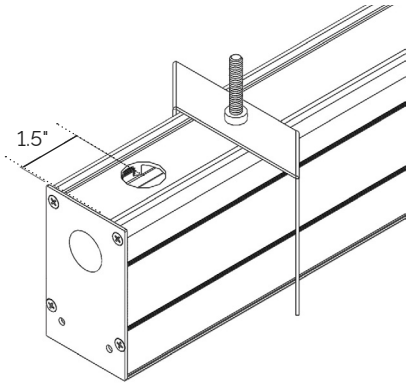
Examples of the standard construction of T-Grid configurations are as follows:




## Power Location

The standard power location is out the top on the fixture. If a different configuration is needed to meet an aesthetic or placement requirement, please consult the factory.




## Wiring Diagram

Wiring configurations are dependent on the options chosen. Below are a few examples of our standard wiring that is used to power the fixture.

This wiring diagram is showing a standard set of wires for a basic fixture.

| Wiring | | |
|---|---|---|
| High Voltage | Low Voltage | Hot (Black) |
| 18 GA | | Neutral (White) |
| | | Ground (Green) |
| H = Hot | +D(V) = +Dimming | +Dimming (Violet) |
| N = Neutral | -D(G) = -Dimming | -Dimming (Pink) |
| GND = Ground | 2864 | |

This wiring diagram is showing a set of wires for a fixture with a emergency battery.

| Wiring | | |
|---|---|---|
| High Voltage | Low Voltage | Switched (Black) |
| 18 GA | | Neutral (White) |
| | | Ground (Green) |
| H = Hot | +D(V) = +Dimming | Unswitched (Red) |
| N = Neutral | -D(G) = -Dimming | +Dimming (Violet) |
| U = Unswitched | - | -Dimming (Pink) |
| GND = Ground | - | |