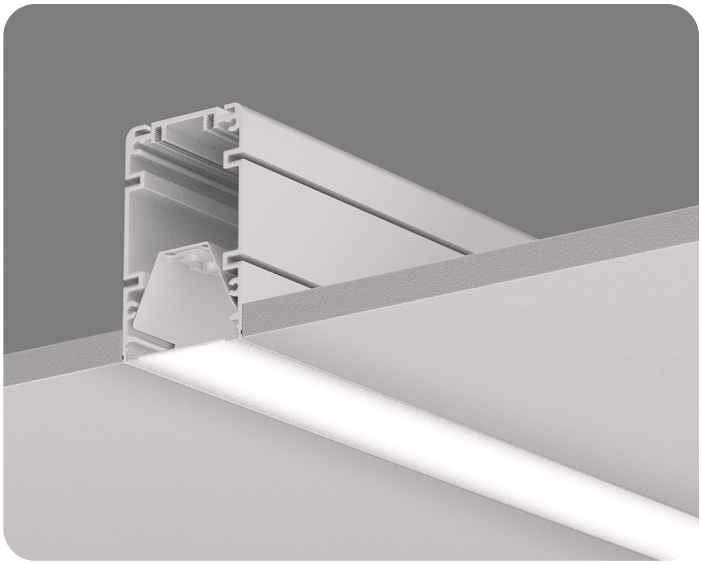
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Slim Beam Recessed



Key Features

- Extruded aluminum single piece housing
- Snap-in lens and reflector for easy install
- Continuous lensing standard – runs up to 100'
- 2', 4', 6' and 8' individual units or continuous rows
- Soft diffuse direct lighting
- 0-10V dimming to 1% is standard
- Efficacy up to 116 lm/W
- Consult factory for TM21, TM30, LM79 and LM80

5 Year Warranty · BABA Compliant · BAA Compliant · Intertek · DLC LISTED · 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'
- Fixture and run lengths are available in $\frac{1}{16}$" increments.
- 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

- eldoLED OPTOTRONIC (OTi) series is UL Class 2 with tunable output currents.
- Output current: 0-10V, dim to 1%
- Overcurrent protection: 2.5KV ring/wave
- Power factor: >0.90
- 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
- DLC 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

RSLIM-20-500-SD-35K-80-PW-TBX-U-1C-1EMB10

Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
RSLIM					
	XX - Run Length	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**27K -** 2700K	**80 -** 80 CRI
		500 - 500 LPF	**WD -** Wide Diffuse	**30K -** 3000K	**90 -** 90 CRI (R9 50 min)
		750 - 750 LPF	**WW -** Wall Wash	**35K -** 3500K	
		1000 - 1000 LPF	**GRZ -** Wall Graze	**40K -** 4000K	
		XXX - Custom LPF	**ARF -** Asymmetric Room Fill	**50K -** 5000K	
			Drop Lens w/ Lit Ends[2]	**TW -** Tunable White[3] (2700K-6500K)	
			DLE05 - 0.5"		
			DLE10 - 1.0"		
			DLE15 - 1.5"		

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		**CBY -** Yoke Mount		**DL -** Daylight Control[6, 8]	**#EMB6 -** 6W EM Battery[11, 12]
Premium	**TEG9 -** 9/16" Grid (Tegular Tile)	**Spackle Flange**		**NL -** Night Lights[6, 9]	**#EMB10 -** 10W EM Battery[11, 12]
RALXXXX - Powder Coat Gloss Finish	**TEG15 -** 15/16" 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		**Trimless**			**#GTD -** Generator Transfer Device w/ ALCR[14]
		TR - Screw/Rod Mount			

Options

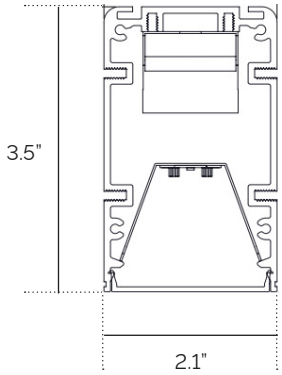
Specialty Drivers[15]	Sensors	Other
DT1 - eldoLED EcoDrive Dim to 1% (0-10V)	**DMXX% -** Daylight/Motion Sensor (XX%=% Min. Dimming)	**CP -** Chicago Plenum (CCEA)
DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)	**VDO -** Lutron Vive Integral Fixture Control (RF w/ Daylight and Occupancy)	**CFW -** Conduit Flex Whip
PSRD - Philips Sensor Ready (DALI) Driver	**AWNR -** Lutron Athena Wireless Node (RF Only)[19]	**OTD -** Outdoor
LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	**AWNS -** Lutron Athena Wireless Node w/ Sensor[19]	**FF3 -** +/-3" Field Fit
TW-A - Tunable White, 0-10V[16]	**NLA -** Acuity nLight Air[18]	**FF6 -** +/-6" Field Fit
TW-EL - eldoLED DUALdrive Tunable White (DALI)[16]	**NLW -** Acuity nLight Wired[18]	
LD2 - Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming[17]	**WVL -** Cooper Wavelinx[18]	
HD-XX - HyperDrive Remote Driver[18]		

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.
18. Consult factory.
19. Athena sensor matches finish for white and black fixtures.

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Contact STARTEK for most up to date product details.

Dimensions



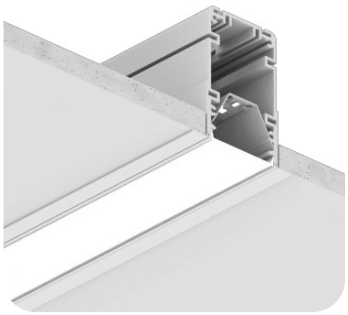
Finishes

Standard

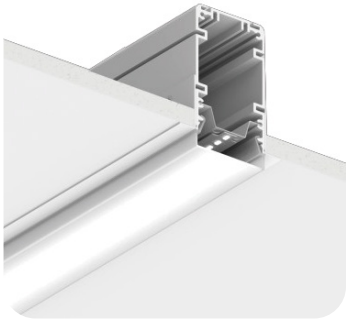
PW: White

PB: Black

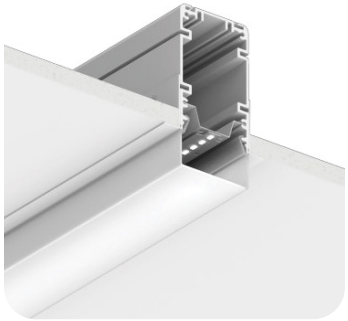
Diffusing



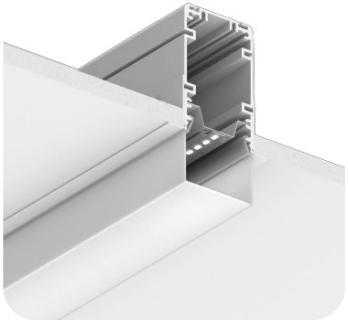
Flush
3.5" Height



DLE05
4.0" Height

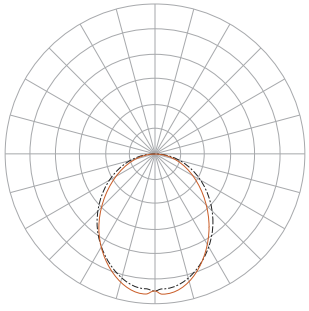


DLE10
4.5" Height

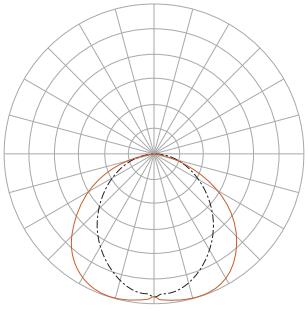


DLE15
5.0" Height

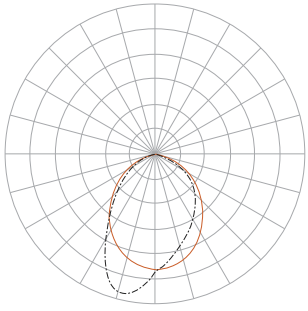
Distribution



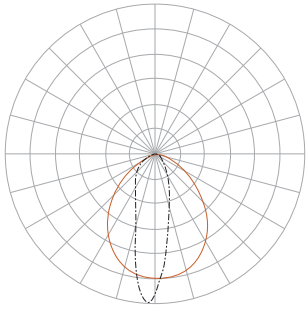
Direct: SatinIce Diffuse (SD)



Direct: Wide Diffuse (WD)



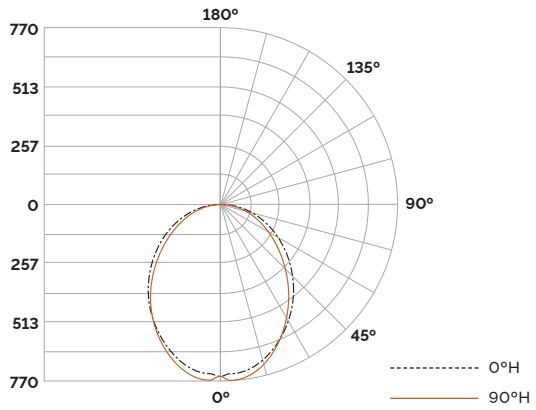
Direct: Wall Wash (WW)



Direct: Wall Graze (GRZ)

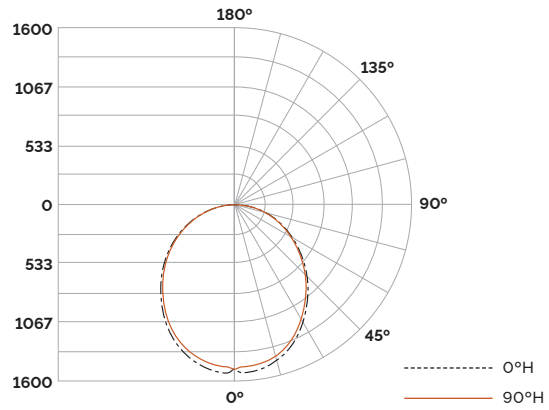
Performance

RSLIM-X-500-SD (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	2000	20	101
	8'	4000	38	105
3500K	4'	2000	19	104
	8'	4000	37	108
4000K	4'	2000	19	107
	8'	4000	36	111
5000K	4'	2000	18	112
	8'	4000	34	116

RSLIM-X-1000-SD (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	4000	40	100
	8'	8000	77	104
3500K	4'	4000	39	103
	8'	8000	75	107
4000K	4'	4000	38	106
	8'	8000	73	110
5000K	4'	4000	36	111
	8'	8000	70	115

Power

Direct LPF	Total Lumens	Satin Diffuse (SD)		Wide Diffuse (WD)		Wall Wash (WW)	
		LPW	W/ft.	LPW	W/ft.	LPW	W/ft.
300	2800	130	3	124	3	125	3
500	4000	130	4	124	4	125	4
750	6000	130	6	124	6	125	6
1000	8000	130	8	124	8	125	8

NOTE: Based on 8' lengths at 35K CCT and 80 CRI modules. All wattage values are rounded up. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Wattage Multiplier

CRI	CCT	4' Length	8' Length
80 CRI	3000K	1.11	1.05
	3500K	1.05	1.00
	4000K	1.03	0.98
	5000K	1.02	0.97
90 CRI	3000K	1.17	1.11
	3500K	1.11	1.05
	4000K	1.08	1.03
	5000K	1.07	1.02

Multiplier How-To

To determine CRI/CCT configuration wattage:
Choose wattage from Power matrix for desired optic and lumen output for 8' fixture length.

Wattage x Multiplier = New Configuration Wattage

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

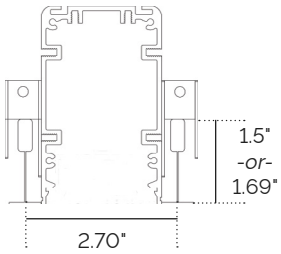
Mounting

T-Bar / T-Grid

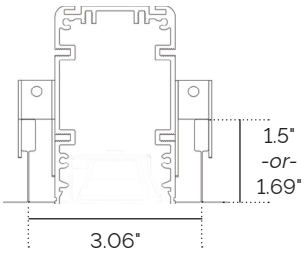
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 2). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid.

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.

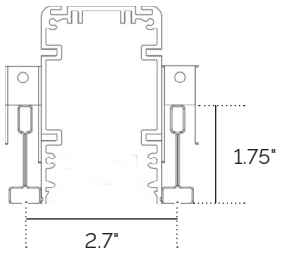
TBX



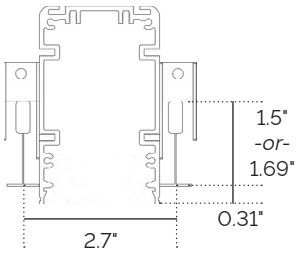
9/16" T-Bar
Flush



15/16" T-Bar
Flush

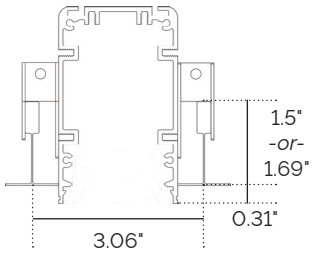


9/16" T-Bar
Bolt Slotted

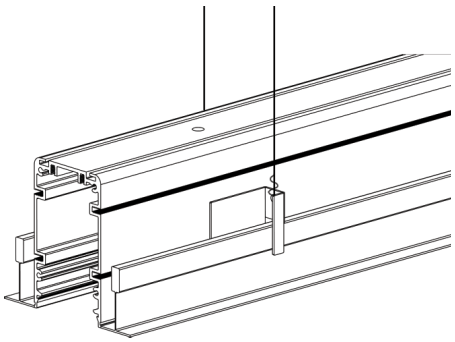


9/16" T-Bar
Tegular

TEG15



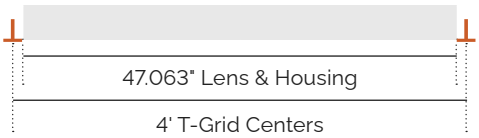
15/16" T-Bar
Tegular



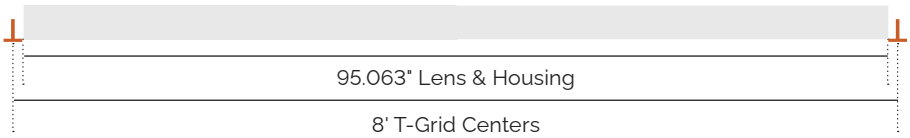
TBX

The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids. 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.

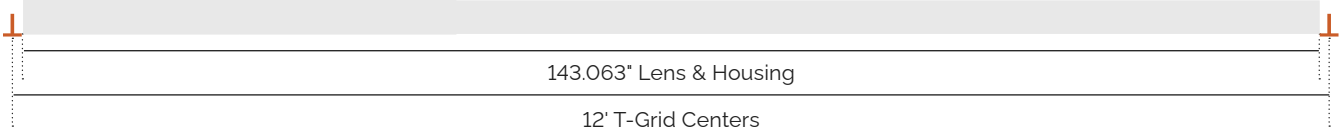
4' Fixture



8' Fixture



12' Fixture

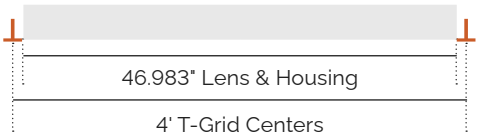


Mounting

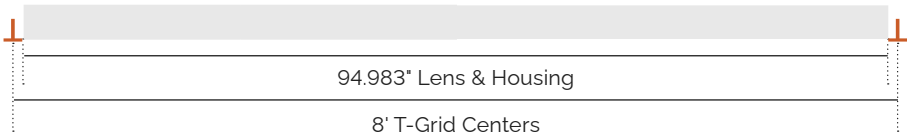
TEG15

Examples of the standard construction of TBX and TBA configurations are as follows:

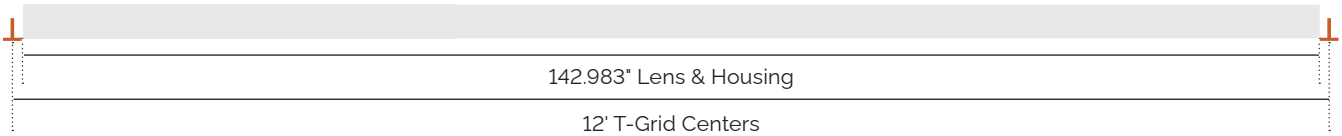
4' Fixture

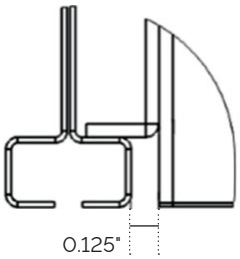


8' Fixture

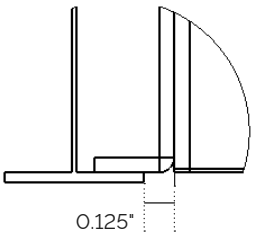


12' Fixture

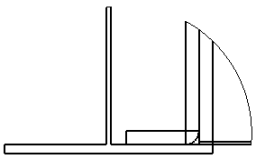




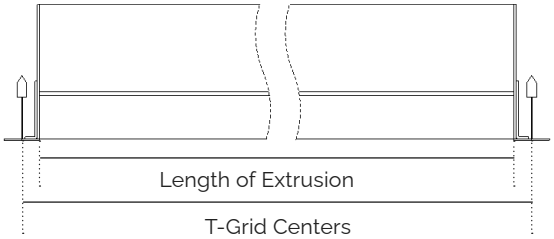
9/16" Screw Slot
Detailed View



9/16" T-Bar
Detailed View

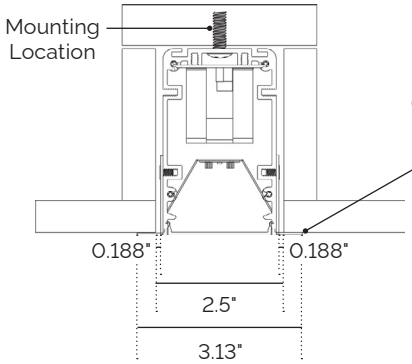


15/16" T-Bar
Detailed View

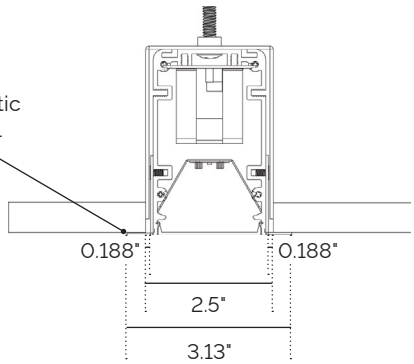


Cosmetic Bezel

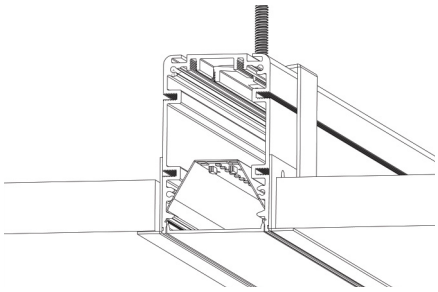
CB (Screw / Rod Mount)

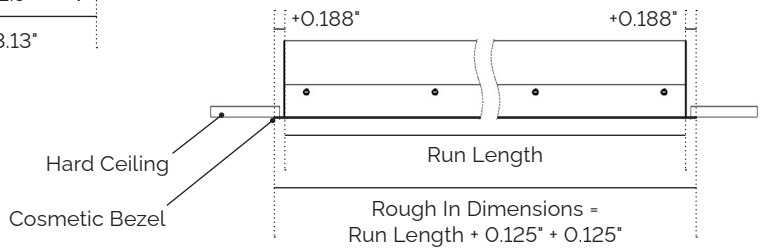


CBY (Yoke Mount)



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

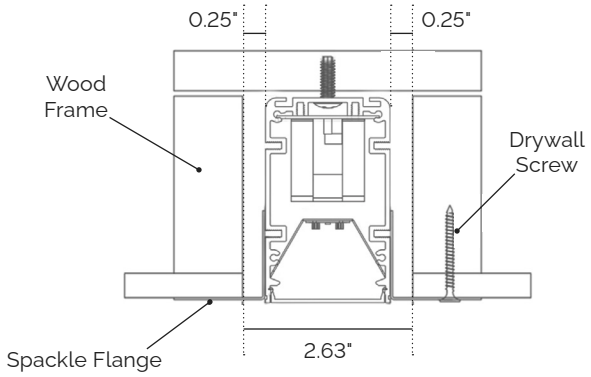




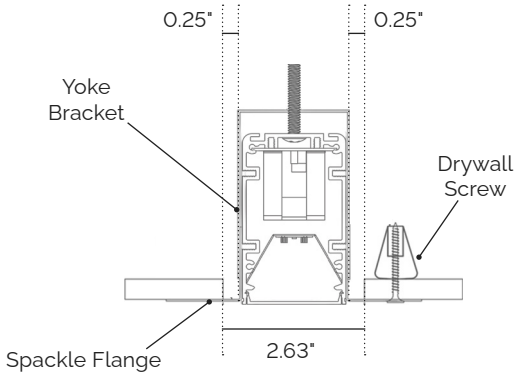
Mounting

Spackle Flange

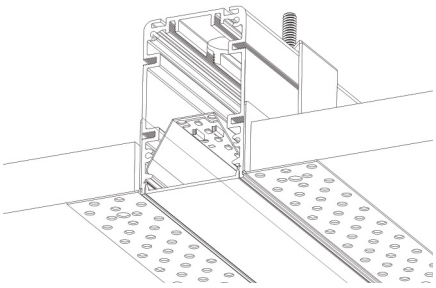
SF (Screw / Rod Mount)

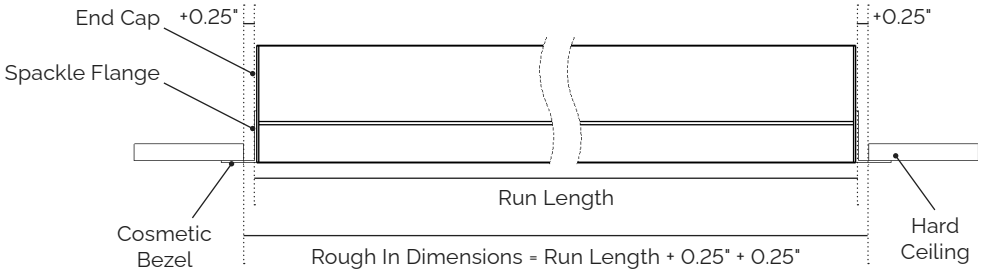


SFY (Yoke Mount)



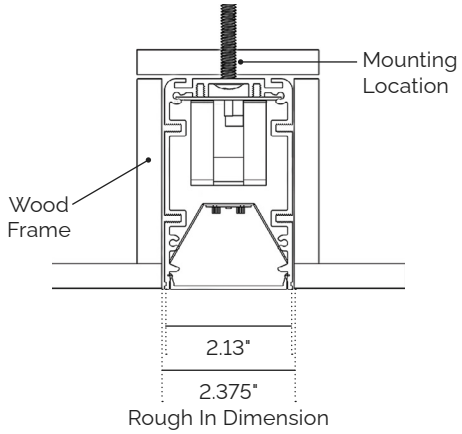
NOTE: Hole size at mounting location is Ø 0.266" for 0.25" rod or screw (provided by others).

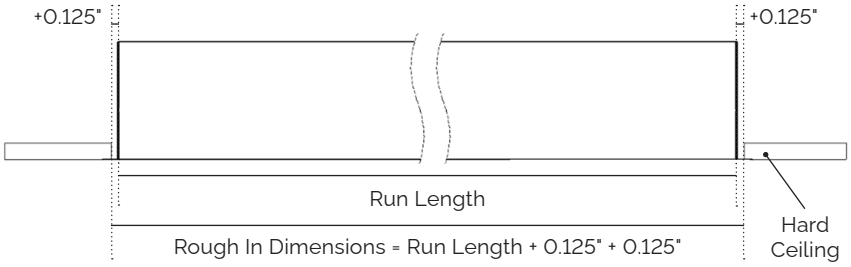




Trimless

TR (Screw / Rod Mount)



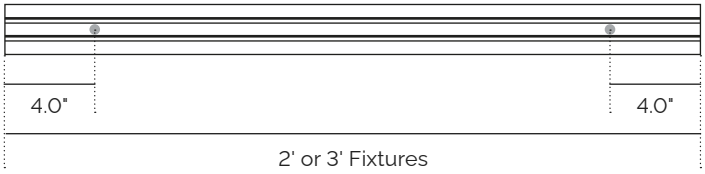


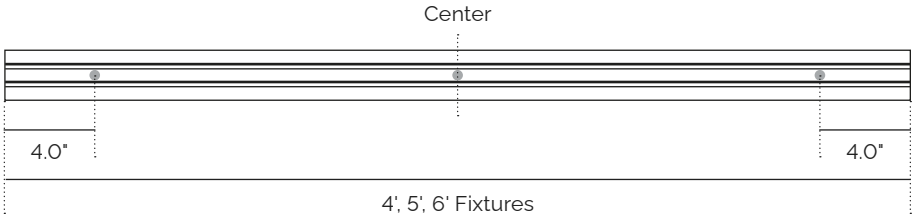
NOTE: Hole size at mounting location is Ø 0.266" for 0.25" rod or screw (provided by others).

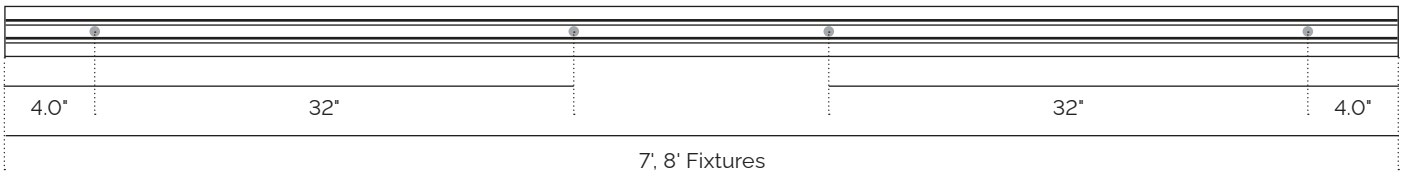
Mounting Locations

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.

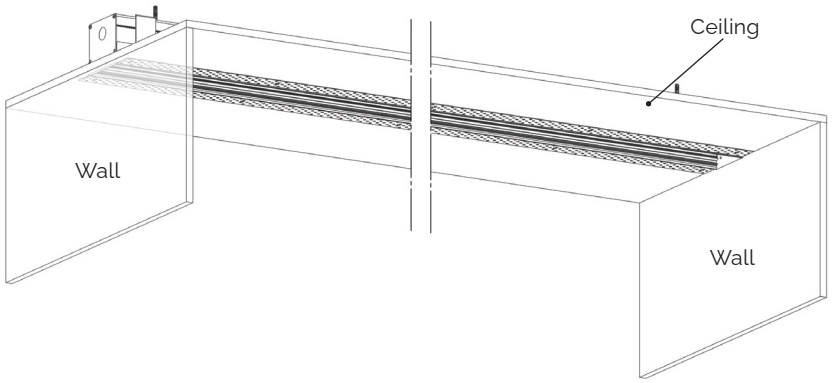


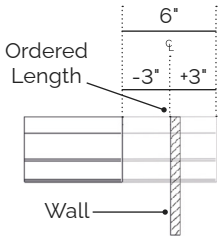




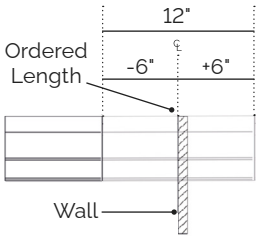
FF (Field Fit)

This option allows for flexibility in wall-to-wall recessed applications. When ordered, the total run length allows for ± 3.0" or ± 6.0". Housing must be cut in the field with a miter saw based on required dimensions.





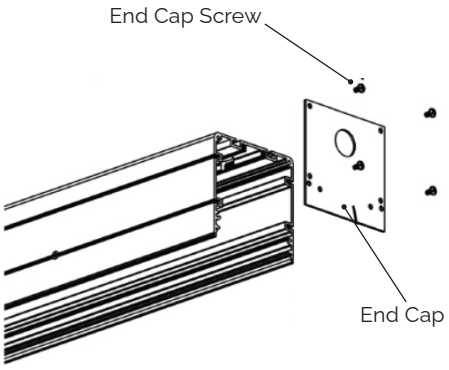
FF3
3" Field Fit



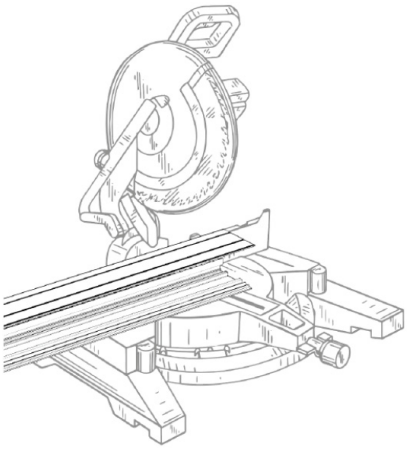
FF6
6" Field Fit

Field Fit Cutting Details

Step 1: Remove the end cap before cutting the back extrusion.

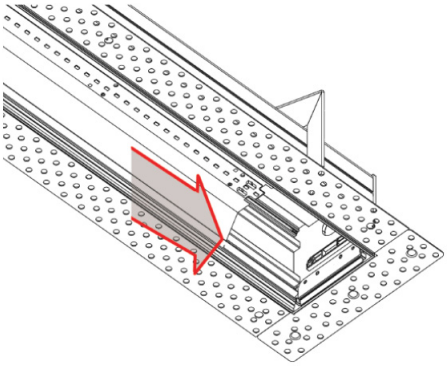


Step 2: Cut back the extrusion. Cut all trim accordingly.



NOTE: Back housing recommended to fill extrusion with scrap wood for cleaner cut.

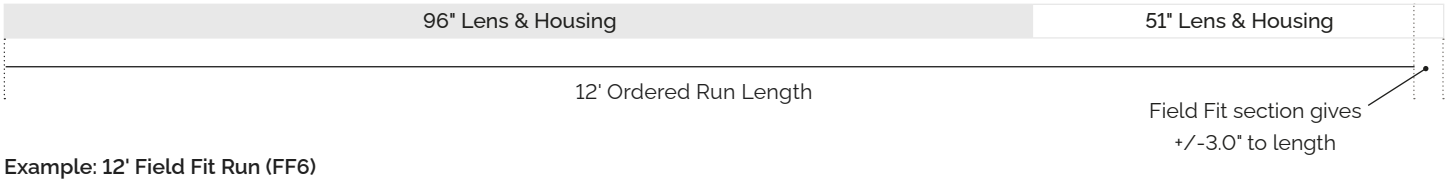
Step 3: Reinstall the end cap and the telescoping lighting assembly and slide to the end.



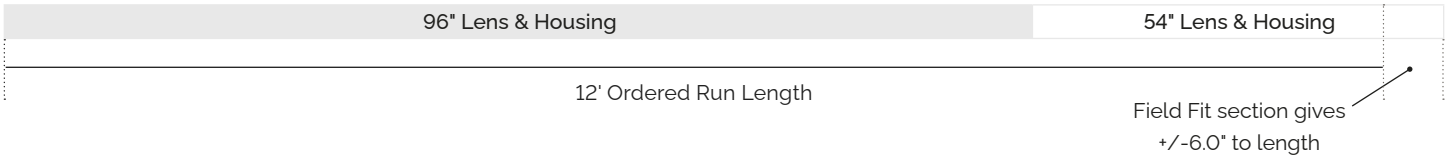
FF (Field Fit)

Field Fit is +/- 3.0", or +/- 6.0". The end fixture can be cut back to match onsite requirements.

Example: 12' Field Fit Run (FF3)



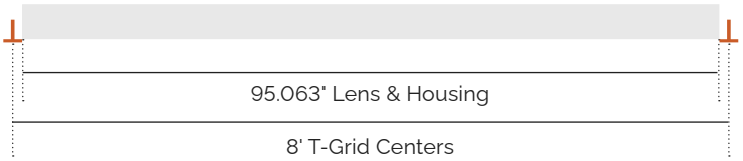
Example: 12' Field Fit Run (FF6)

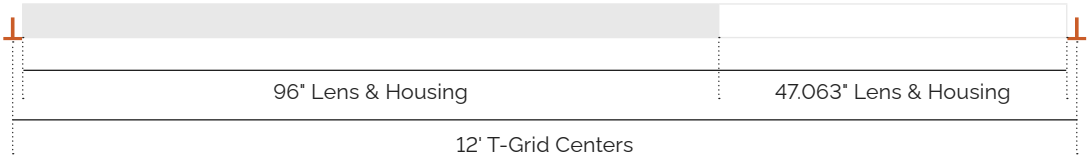


Individual & Continuous Run (T-Grid)

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.

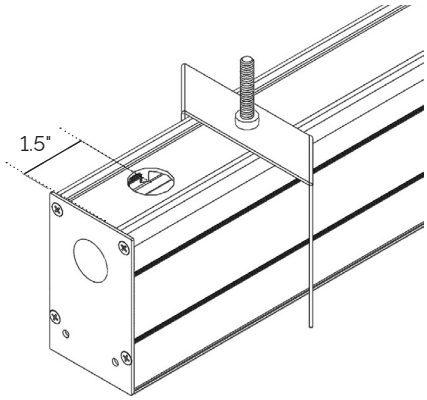
Examples of the standard construction of T-Grid configurations are as follows:





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.

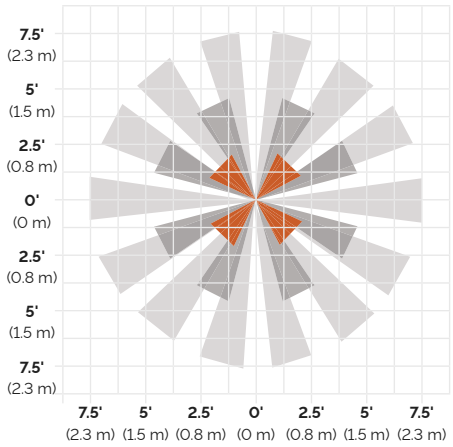
Wiring		
High Voltage	Low Voltage	Switched (Black)
18 GA		Neutral (White)
		Ground (Green)
H = Hot	+D(V) = +Dimming	Unswitched (Red)
N = Neutral	-D(G) = -Dimming	+Dimming (Violet)
U = Unswitched	-	-Dimming (Pink)
GND = Ground	-	

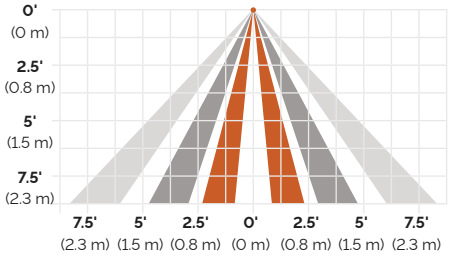
The information in this document is subject to change without notice.
Contact STARTEK for most up to date product details.

Controls

Sensor

Wattstopper FS-205 v2 Low Voltage PIR. Integrated photosensor for hold-off daylighting control. 24VDC operating voltage. Adjustable time delay (30 seconds to 30 minutes).







Wireless Node

