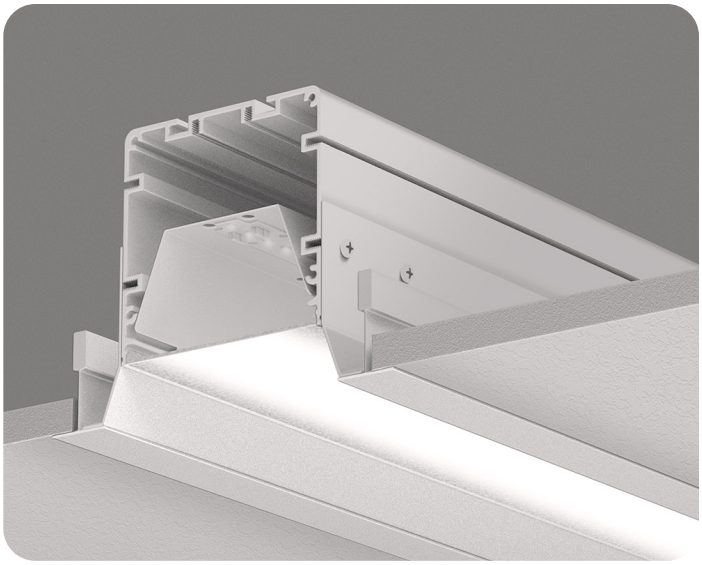
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Beam Flex Recessed



Key Features

- Extruded aluminum single piece housing
- 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 130 lm/W
- Compatible with Armstrong Ceiling Systems and Slot Ceilings
- 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: 3.5" 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 allows for field adjustments up to 6" to the overall run lengths.

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 720 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.

Ordering Logic

RBFLEX-20-500-SD-35K-80-PW-ATG5-U-1C-2EMB10

Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
RBFLEX					
	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		**50K -** 5000K	
				TW - Tunable White[2] (2700K-6500K)	

Finish[3]	Mounting[4]	Voltage	Circuiting	Emergency
Standard Powder Coat	**Angled T-Grid Bezel**	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None
PW - White	**ATG5 -** 5" O.C.	**C -** 347V	**MC -** Multiple Circuits[6, 7]	**EC -** Emergency Circuit[10]
PB - Black	**ATG6 -** 6" O.C.		**DL -** Daylight Control[6, 8]	**#EMB6 -** 6W EM Battery[11, 12]
Premium	**ATGX -** X" O.C.[5]		**NL -** Night Lights[6, 9]	**#EMB10 -** 10W EM Battery[11, 12]
RALXXXX - Powder Coat Gloss Finish	**Flush T-Grid Bezel**			**#FCEMB10 -** 10W EM Battery[11, 13]
Custom Powder Coat	**FTG5 -** 5" O.C.			**#FCEMB14 -** 14W EM Battery[11, 13]
PO - Powder Other	**FTG6 -** 6" O.C.			**#GTD -** Generator Transfer Device w/ ALCR[14]
	FTGX - X" O.C.[5]			

Options

Specialty Drivers[15]	Sensors
DT1 - eldoLED EcoDrive Dim to 1% (0-10V)	**DMXX% -** Daylight/Motion Sensor (XX%=% Min. Dimming)
DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)	**VDO -** Lutron Vive Integral Fixture Control (RF w/ Daylight and Occupancy)
PSRD - Philips Sensor Ready (DALI) Driver	**AWNR -** Lutron Athena Wireless Node (RF Only)[19]
LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	**AWNS -** Lutron Athena Wireless Node w/ Sensor[19]
TW-A - Tunable White, 0-10V[16]	**NLA -** Acuity nLight Air[18]
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]	

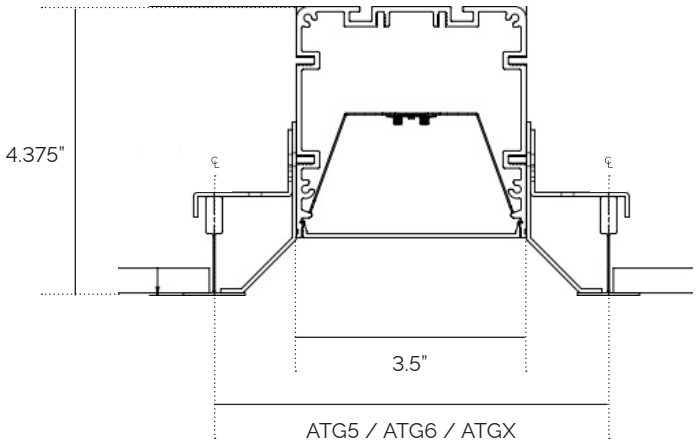
Ordering Notes

1. 200 LPF min. output / 1500 LPF max. output.
2. Tunable White Driver must be specified in options.
3. See page 3 for standard options.
4. Bezel color will match fixture color unless otherwise specified, consult factory for options.
5. Replace 'X' with specified grid center dimension.
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.

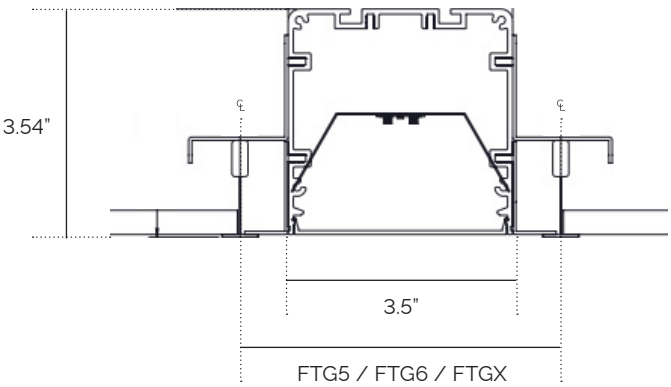
The information in this document is subject to change without notice.
Contact STARTEK for most up to date product details.

Dimensions

Angled T-Grid Bezel (ATG)



Flush T-Grid Bezel (FTG)



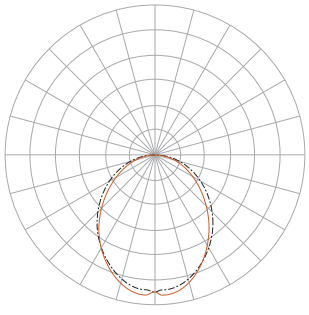
Finishes

Standard

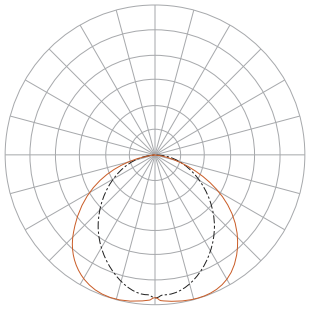
PW: White

PB: Black

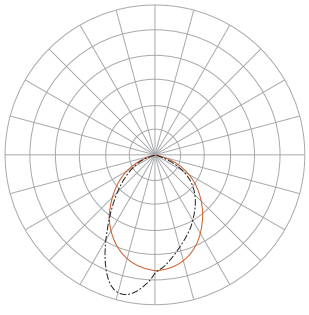
Distribution



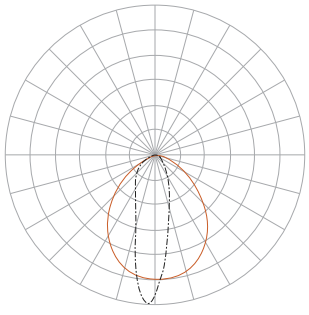
Direct: SatinIce Diffuse (SD)



Direct: Wide Diffuse (WD)



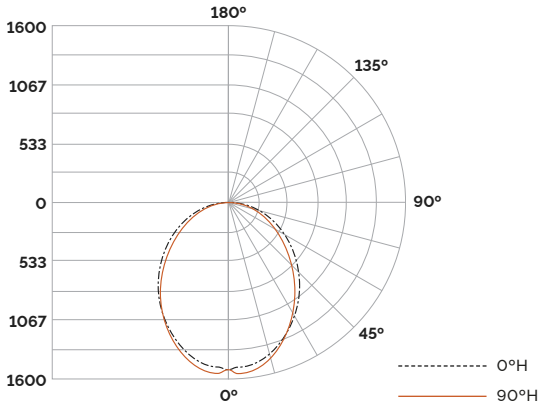
Direct: Wall Wash (WW)



Direct: Wall Graze (GRZ)

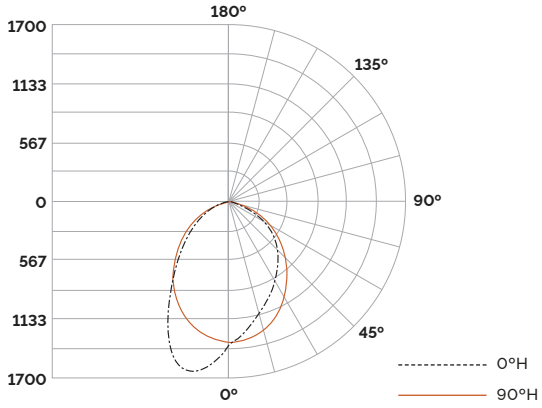
Performance

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



CCT	Length	Lumens	Wattage	LPW
3000K	4'	4000	35	115
	8'	8000	67	119
3500K	4'	4000	34	118
	8'	8000	65	122
4000K	4'	4000	33	121
	8'	8000	64	125
5000K	4'	4000	32	126
	8'	8000	62	130

RBFLEX-X-1000-WW (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	4000	33	123
	8'	8000	63	127
3500K	4'	4000	32	126
	8'	8000	62	130
4000K	4'	4000	31	129
	8'	8000	60	133
5000K	4'	4000	30	134
	8'	8000	58	138

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.

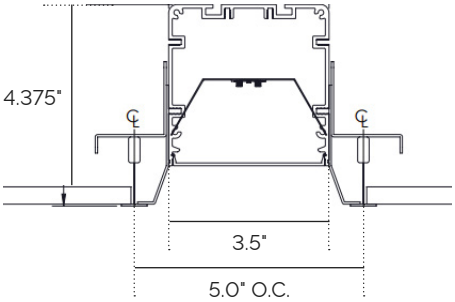
Total Length (Feet)	# of Sections						
	2	3	4	5	6	7	8
2	1						
3		1					
4			1				
5				1			
6					1		
7						1	
8							1
9			1	1			
10			1		1		
11		1					1
12			1				1
13				1			1
14					1		1
15						1	1
16							2
17			1	1			1
18			1		1		1
19		1					2
20			1				2
21				1			2
22					1		2
23						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

Angled Bezel T-Grid (ATG)

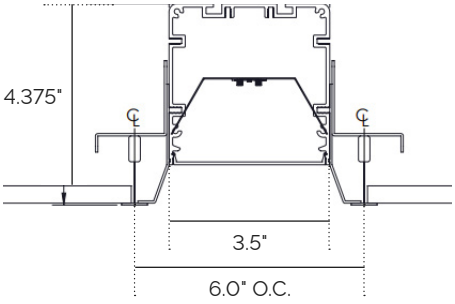
Designed to work with grid heights of 1.5", 1.69", and 1.75". Please refer to "ATGX" if another configuration is desired or consult factory.

ATG5



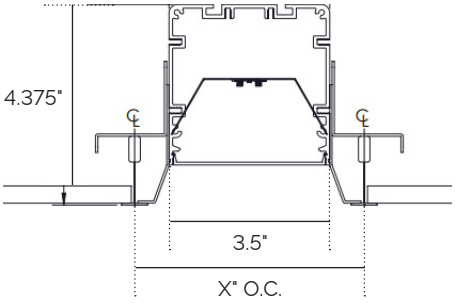
9/16" T-Bar

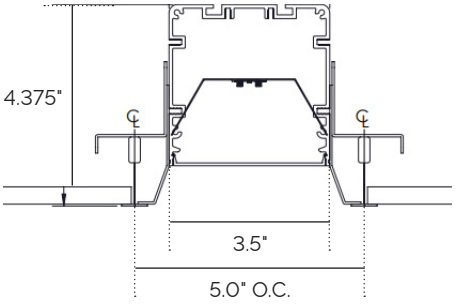
ATG6



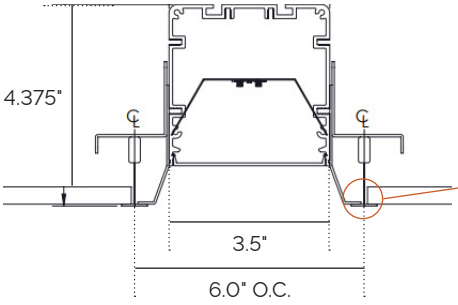
9/16" T-Bar

ATGX



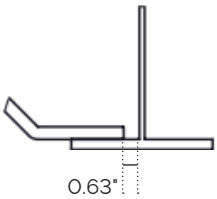


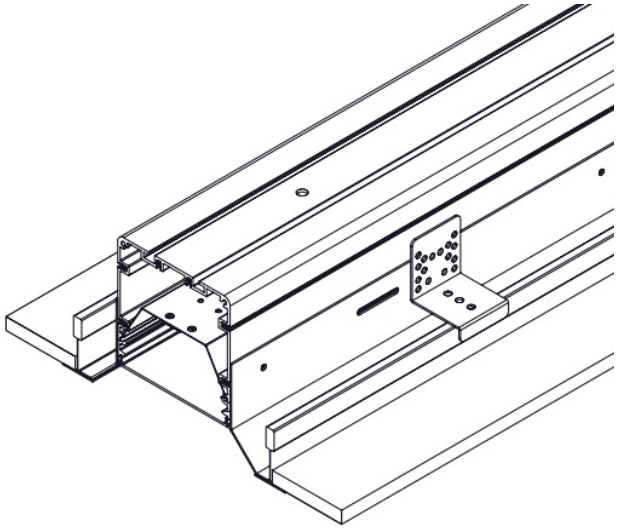
15/16" T-Bar



15/16" T-Bar

Bezel Detail



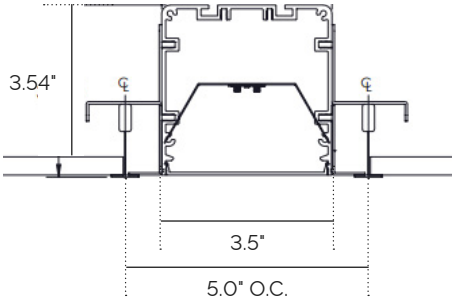


Mounting

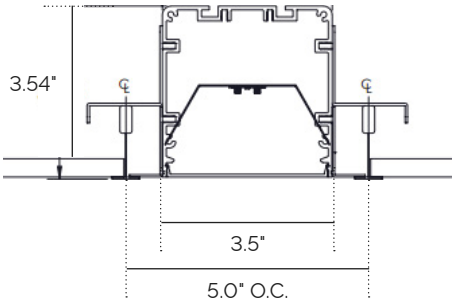
Flush Bezel T-Grid (FTG)

Designed to work with grid heights of 1-1/2", 1-11/16", and 1-3/4" in Flush configuration, and 1-1/2" & 1-11/16" for Tegular tile configurations. Please refer to "FTGX" if another configuration is desired or consult factory.

FTG5

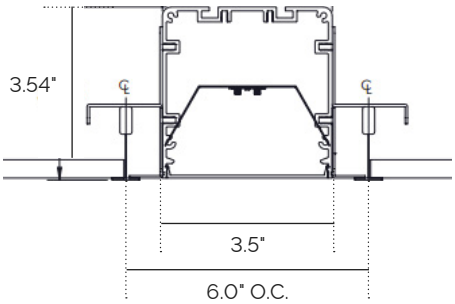


9/16" T-Bar

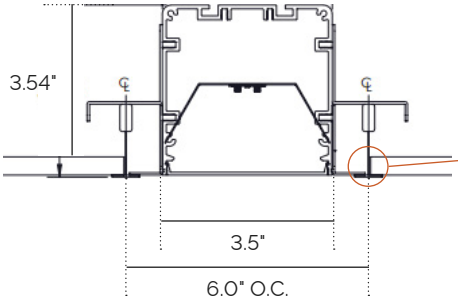


15/16" T-Bar

FTG6

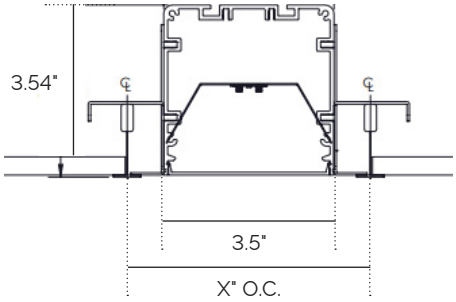


9/16" T-Bar

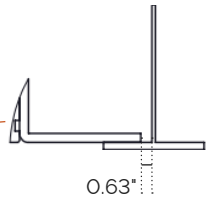


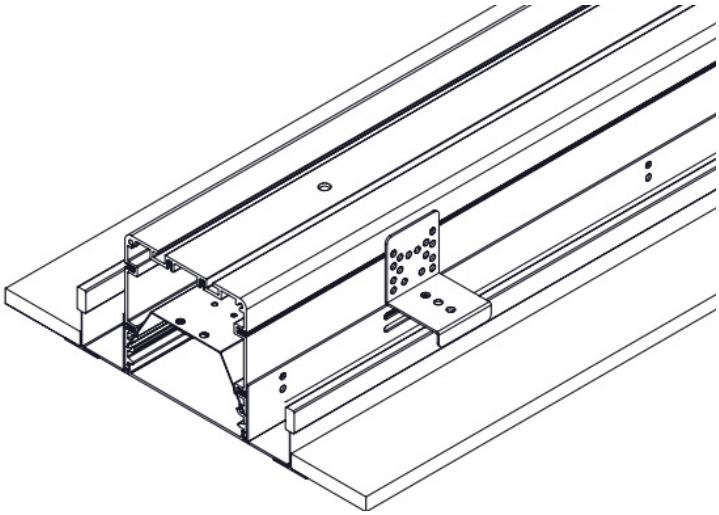
15/16" T-Bar

FTGX



Bezel Detail

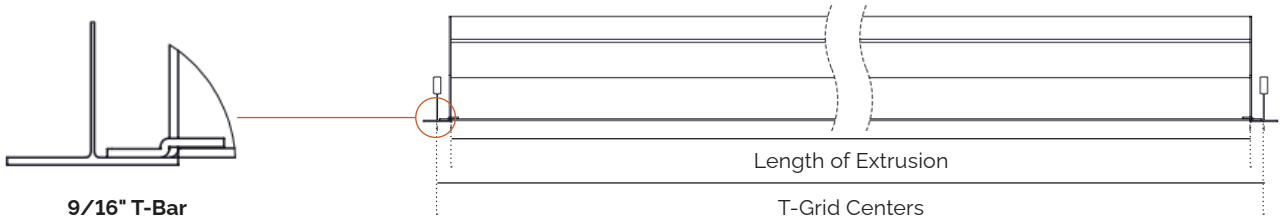




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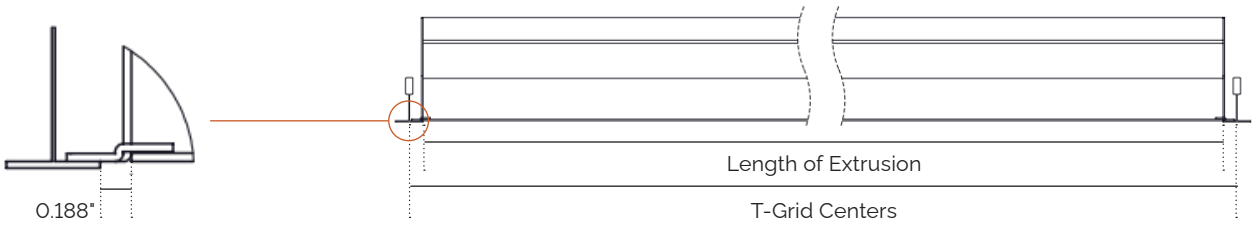
T-Grid Lengths

9/16" T-Bar



9/16" T-Bar
Detailed View

15/16" T-Bar

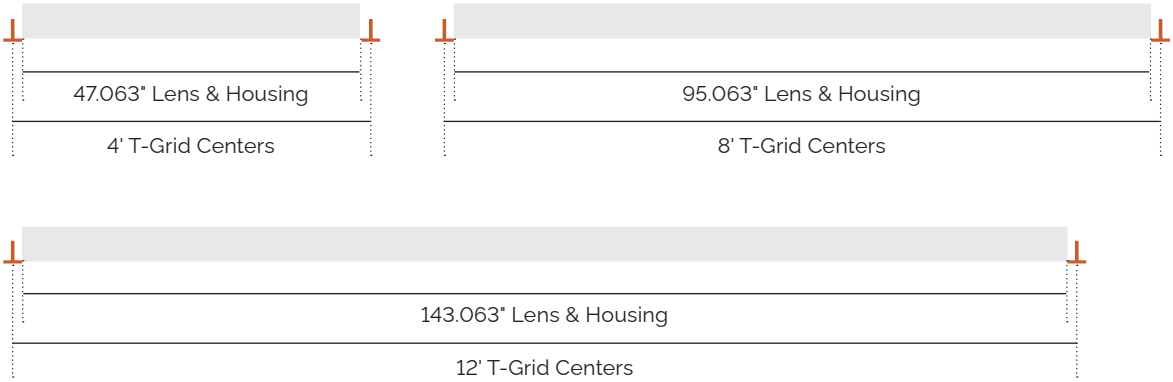


15/16" T-Bar
Detailed View

Individual & Continuous Run (T-Grid)

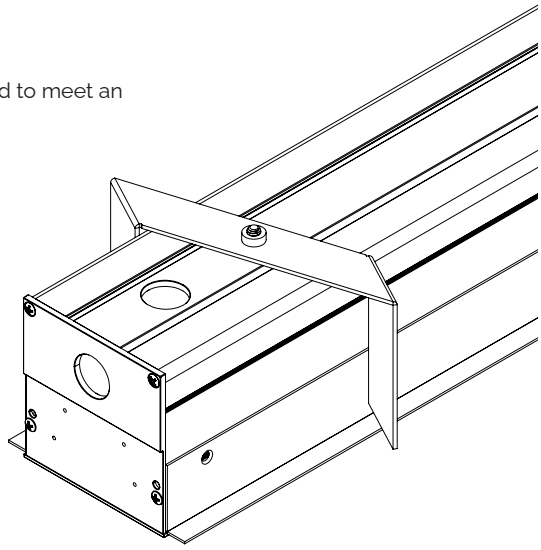
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 2). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. If a different 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)
H = Hot	+D(V) = +Dimming	Ground (Green)
N = Neutral	-D(G) = -Dimming	+Dimming (Violet)
GND = Ground	2864	-Dimming (Pink)

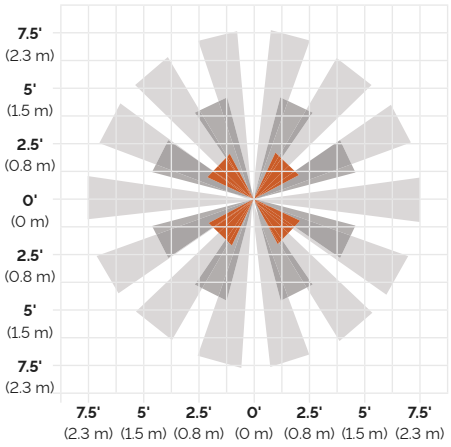
This wiring diagram is showing a set of wires for a fixture with a emergency battery.

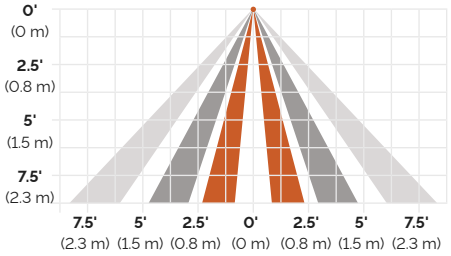
Wiring		
High Voltage	Low Voltage	Switched (Black)
18 GA		Neutral (White)
H = Hot	+D(V) = +Dimming	Ground (Green)
N = Neutral	-D(G) = -Dimming	Unswitched (Red)
U = Unswitched	-	+Dimming (Violet)
GND = Ground	-	-Dimming (Pink)

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

