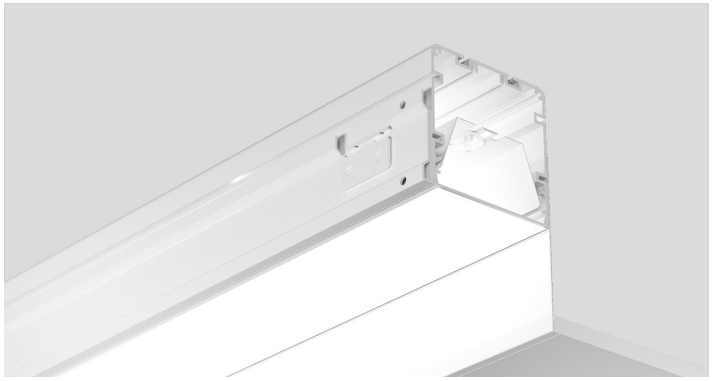
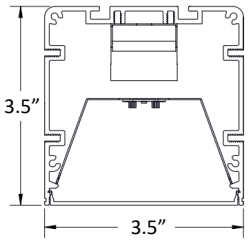
STARTEK LIGHTING AMERICA

Perimeter Beam

Type:	
Project:	
REP/Agent	
Order #:	



DIMENSIONS



FEATURES

- **Continuous lensing - runs up to 150’**
- Standard 2’, 4’, 6’ and 8’units or continuous rows
- Fixture/run length increments down to 1/16”
- Compatible with wall-to-wall applications (Adjustable)
- Adjustable section allows for ± 2.7” overall run length
- Single piece aluminum extrusion housing
- Linear runs with proprietary joiner design
- Snap-in lens and reflector for easy installation
- 3 Step MacAdam ellipse binning
- Efficacy up to 116 lm/W
- Soft diffuse direct lighting
- Approved for dry and damp locations
- 0-10v dimming is standard
- Dim to 1% of output current is standard
- 90 CRI (R9 50min) available
- JA8 installation compatible

ORDERING LOGIC

PBEAM - ____ - ____ - ____ - ____ - ____ - ____ - ____

SERIES	LENGTH	LUMENS PER FOOT	DISTRIBUTION	CCT	CRI	HOUSING
PBEAM	**XX**=Run Length	**350**=350 LPF	**SD**=SatinIce Diffuse	**30K**=3000K	**80**=80	**#A=** Adjustable ***(“#” indicates quantity)***
	_x_RECT=Rectangle	**500**=500 LPF	**FRF**=Flush Asymmetric Room Fill	**35K**=3500K	**90**=90 (R9 50min)	*(Allows for a change of ± 2.7” to overall run length)*
	_x_L=L-Shape	**750**=750 LPF		**40K**=4000K		**F=** Fixed
		1000=1000 LPF		**50K**=5000K		*(Not recommended for wall to wall installations)*
		XXX=Custom LPF		**TW**=Tunable White[1]		

- ____ - ____ - ____ - ____ - ____ - ____

FINISH	MOUNTING	SHIELDING	VOLTAGE	ELECTRICAL	OPTIONS
STANDARD	**T-GRID**	**FL**=Flush	**U**= 120-277	**1C**=Single Circuit	**SPECIALTY DRIVERS** ***(Standard driver is 0-10V, dim to 1% output current)***
PW=Powder Coat White	**TBX**= 9/16” Grid	**R2.5**=2.5” Regress	**C**= 347	**MC**=Multiple Circuits	**DT1**=eldoLED EcoDrive Dim to 1% (0-10V)
PB=Powder Coat Black	15/16” Grid	**R4.0**=4.0” Regress		*(multiple switch legs across run length)*	**DTZ**=eldoLED SoloDrive Dim to 0.1% (0-10V)
	9/16” Grid (Tegular Tile)			**EC**=Emergency Circuit	**PSRD**=Philips Sensor Ready (DALI) Driver
PREMIUM	15/16” Grid (Tegular Tile)			*(separate power drops for EC fixtures)*	**LDE1**=Lutron Hi-Lume EcoSystem LED driver w/ Soft-on, Fade-to-Black
RALxxxx= Powder Coat RAL xxxx (Gloss Finish)	9/16” Screw Slotted T-Grid			**GTD**=Generator Transfer Device	**TW-A**=Tunable White, 0-10v[2]
	DRYWALL (TRIMLESS)				**TW-EL**=eldoLED DUALdrive Tunable White (DALI)[2]
	DR= Trimless Drywall				**PSQ02U**=Lutron T-Series 1% 2-Channel Tunable White driver [2]
CUSTOM	**DRYWALL (SPACKLE)**				**BATTERIES** ***(“#” indicates quantity)***
PO=Powder Other	**DWSF**=Drywall w/ Spackle Flange				**#EMB6**=6W EM Battery [3]
					#EMB10=10W EM Battery [3]
	DRYWALL (COSMETIC BEZEL)				**#EMB15**=15W EM Battery [3]
	DWCB(W)= Cosmetic Bezel White				**SENSORS**
	DWCB(B)= Cosmetic Bezel Black				**DMxx%**=Daylight/Motion Sensor (xx%= % Min. Dimming)
					OTHER
					CP=Chicago Plenum (CCEA)

EXAMPLE: **PBEAM-20-750-SD-40K-80-2A-PW-DR-FL-U-1C-1EMB10**

[1] ***Tunable White Driver must be specified in options***
[2] ***50 Watt Max. Dual driver required for higher fixture wattage***
[3] ***Emergency battery option not available with 2’ fixtures***

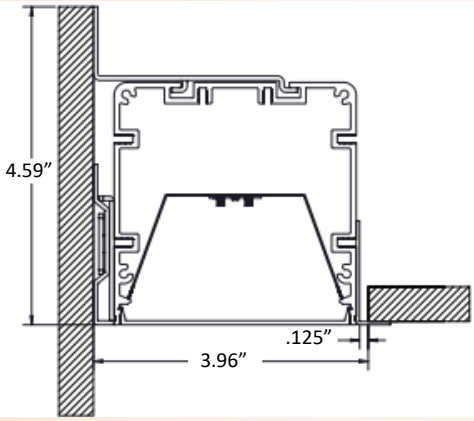
STARTEK LIGHTING AMERICA

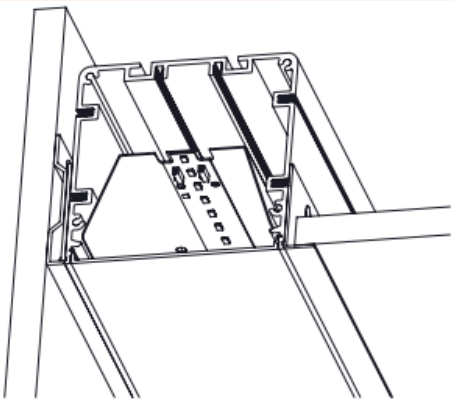
Perimeter Beam

Type:	
Project:	
REP/Agent	
Order #:	

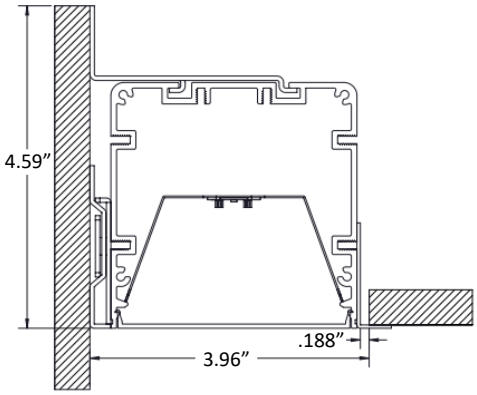
MOUNTING OPTIONS

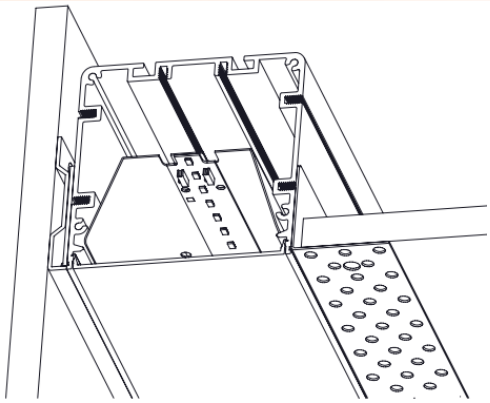
DWCB - Drywall Cosmetic Bezel



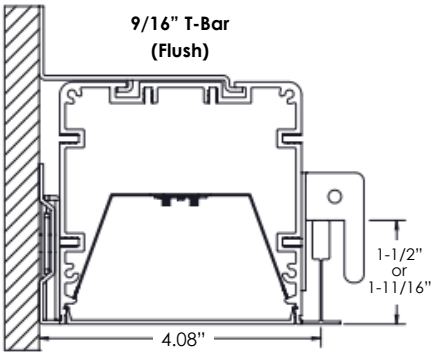


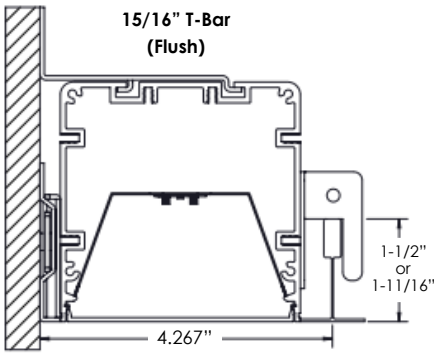
DWSF - Drywall Spackle Flange

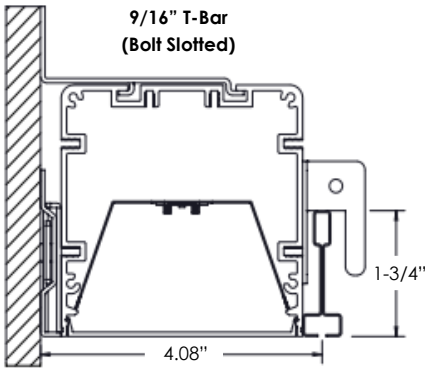


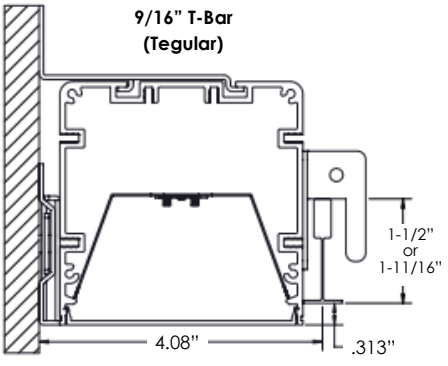


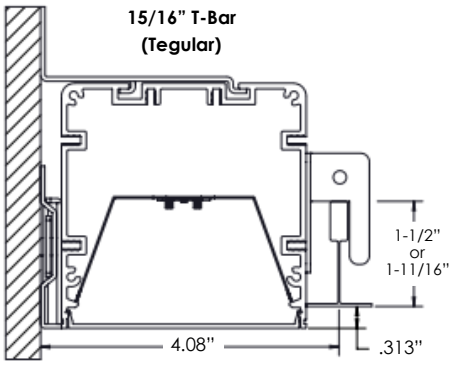
TBX - T-Grid

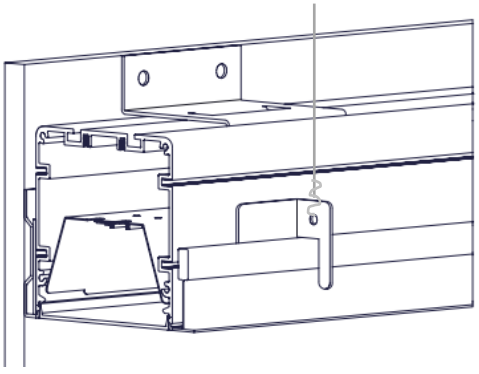












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Perimeter Beam

Type:	
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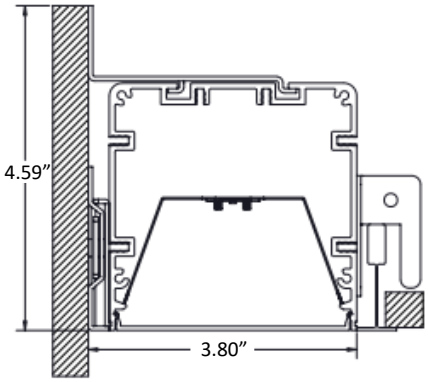
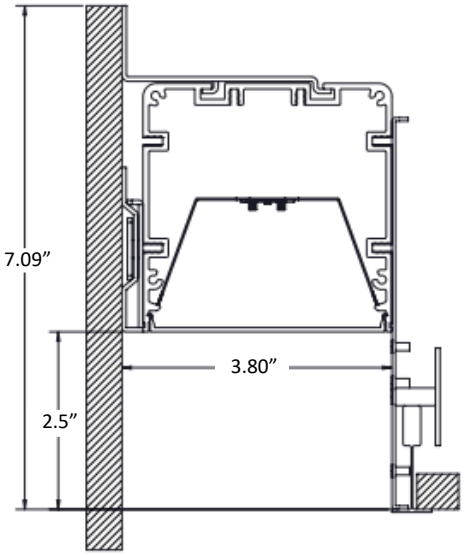
REP/Agent	
Order #:	

SHIELDING OPTIONS—T-GRID APPLICATION

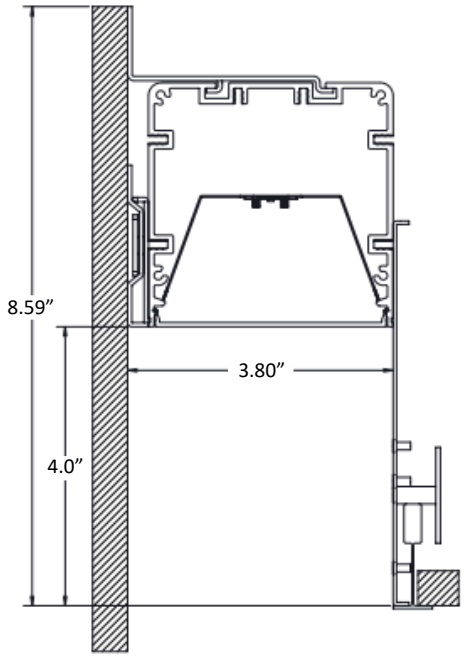
FL - Flush



R2.5 - 2.5” Regress

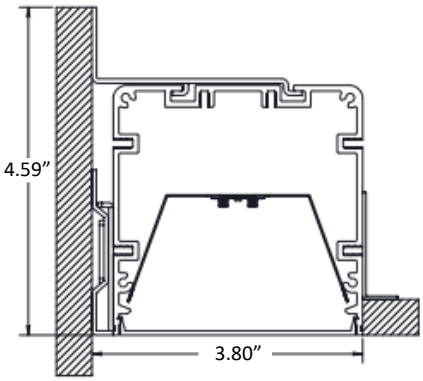


R4.0 - 4.0” Regress

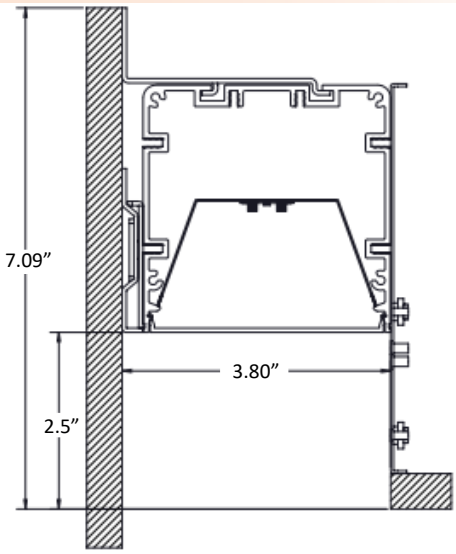


SHIELDING OPTIONS— TRIMLESS DRYWALL

FL - Flush



R2.5 - 2.5” Regress



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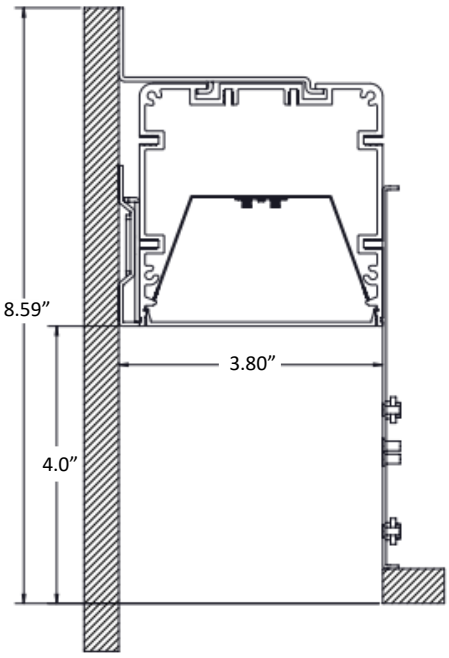

! Note: Luminaires must be installed prior to drywall.

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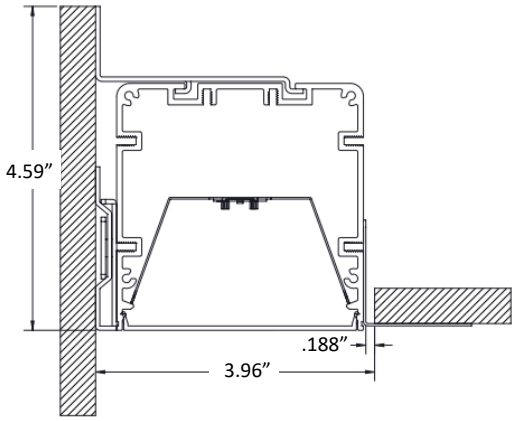
Perimeter Beam

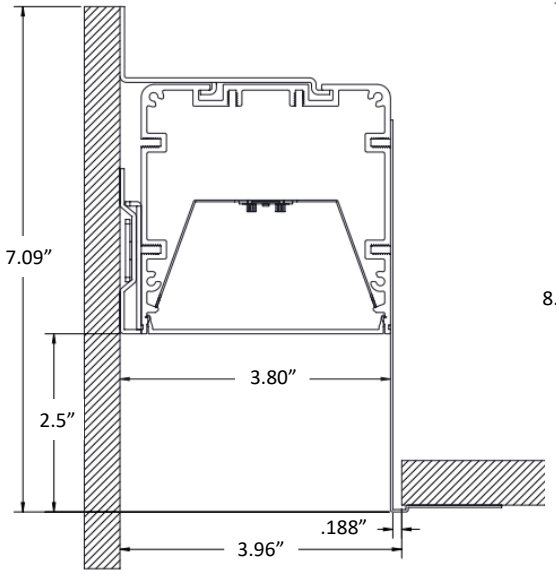
Type:	
Project:	
REP/Agent	
Order #:	

SHIELDING OPTIONS—DRYWALL SPACKLE FLANGE

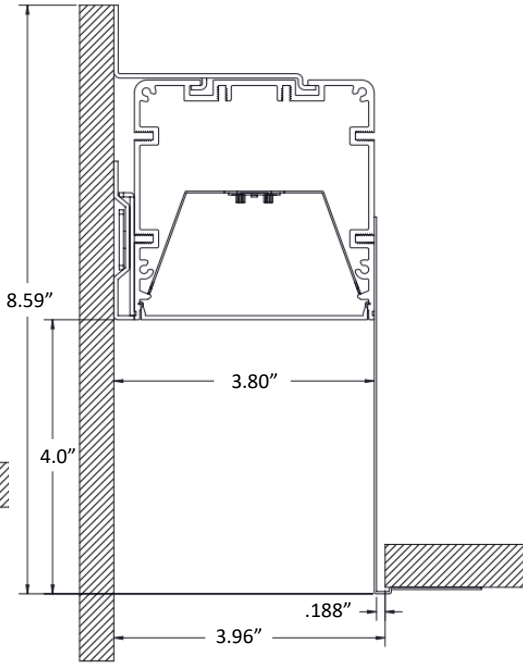
FL - Flush



R2.5 - 2.5” Regress

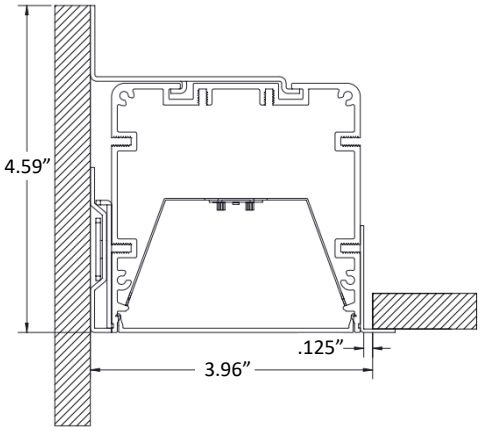


R4.0 - 4.0” Regress

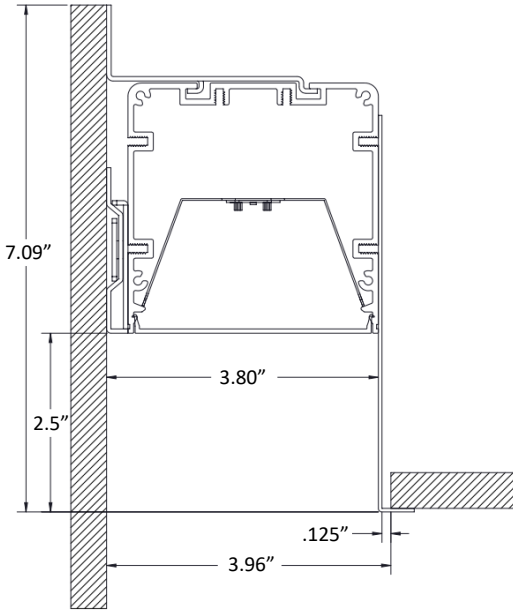


SHIELDING OPTIONS— COSMETIC BEZEL

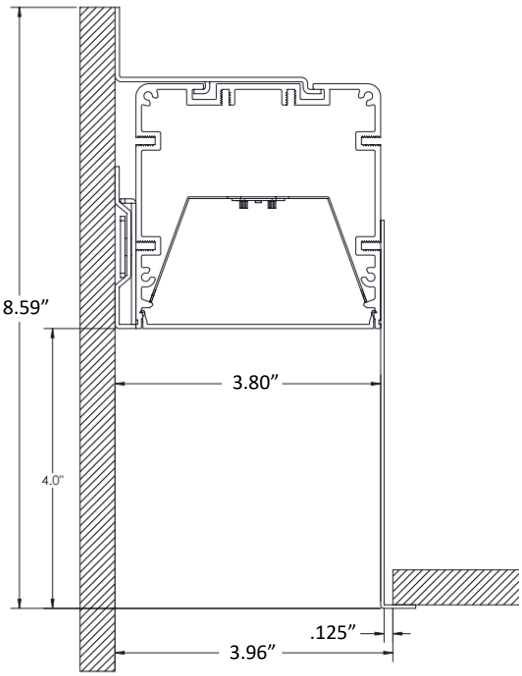
FL - Flush



R2.5 - 2.5” Regress



R4.0 - 4.0” Regress



> ! Note: Luminaires must be installed prior to drywall.

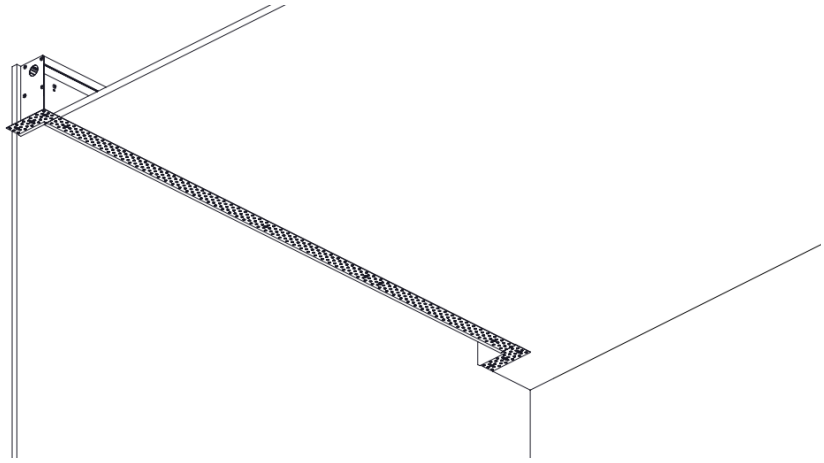
Perimeter Beam

Type:	
Project:	
REP/Agent	
Order #:	

HOUSING OPTIONS

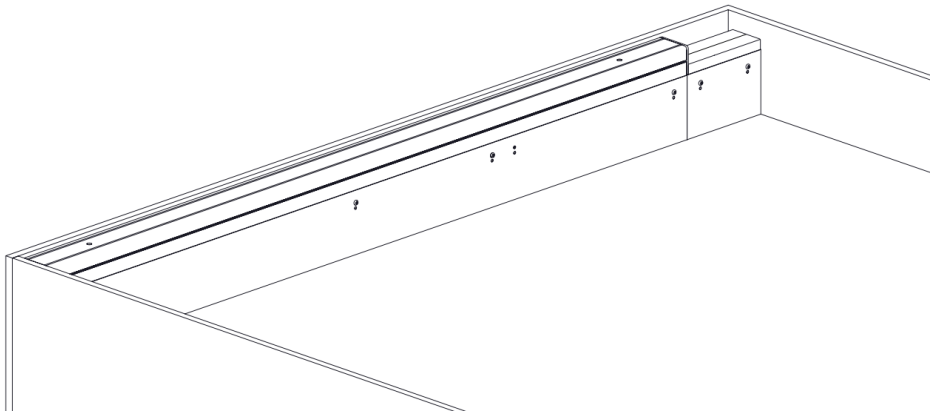
F - Fixed

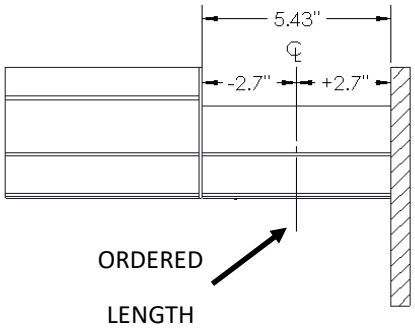
Note: Fixed option should be used for all applications that are ***not*** spanning wall-to-wall. For wall-to-wall applications, see “Adjustable” section below.

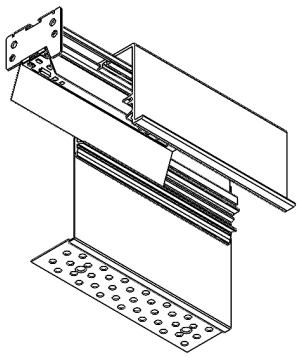


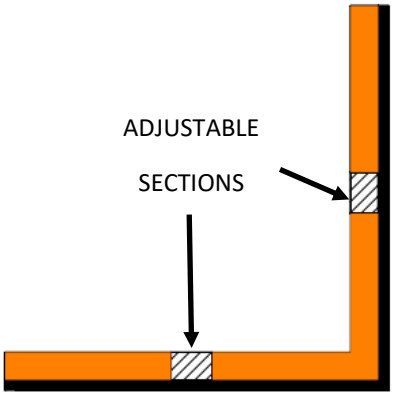
A - Adjustable

Note: This option allows for flexibility in wall-to-wall perimeter applications. When ordered, the total run length allows for ± 2.7”. Housing must be cut in the field with a miter saw based on required dimensions. **See images below for details on linear vs. shape configs.**









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Perimeter Beam

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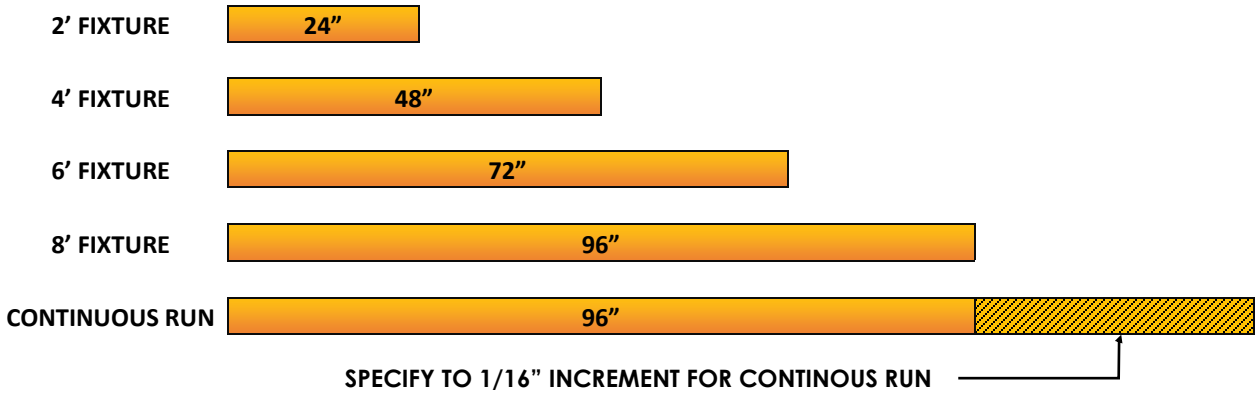
INDIVIDUAL AND CONTINUOUS FIXTURE CONFIGURATION—DWSF and DWCB

Individual & Continuous Run

Individual fixtures are available from 2' to 8'. The standard construction for run lengths is to build with as many 8' fixtures as possible and finish the run with a shorter length fixture if needed. 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 DWSF & DWCB are as follows:

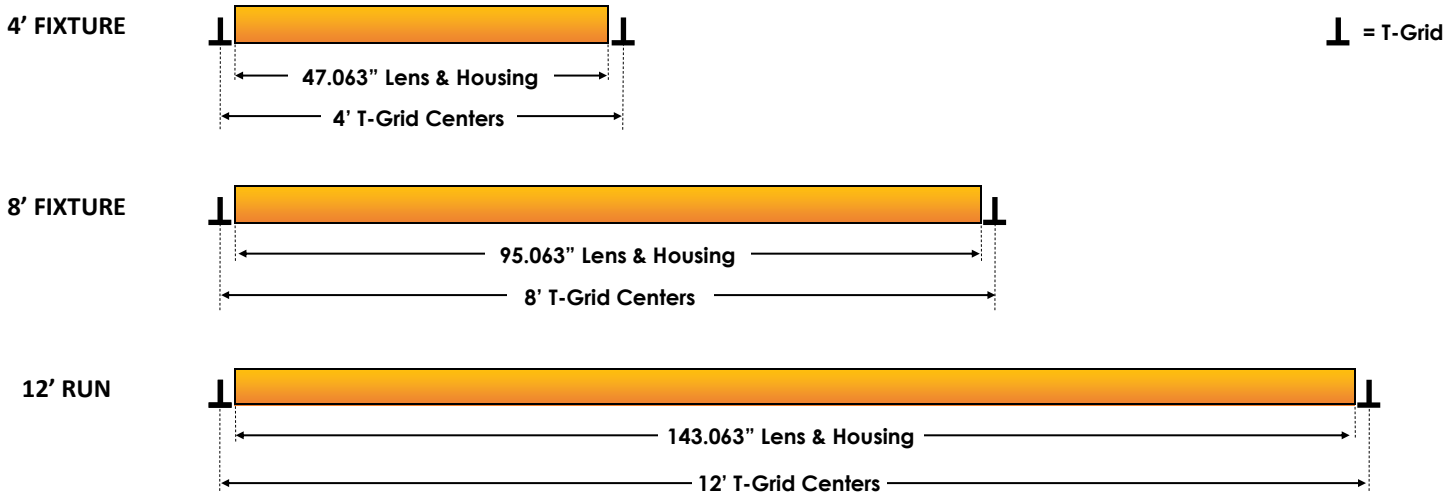


INDIVIDUAL AND CONTINUOUS FIXTURE CONFIGURATION—T-GRID

Individual & Continuous Run

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 4). 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:



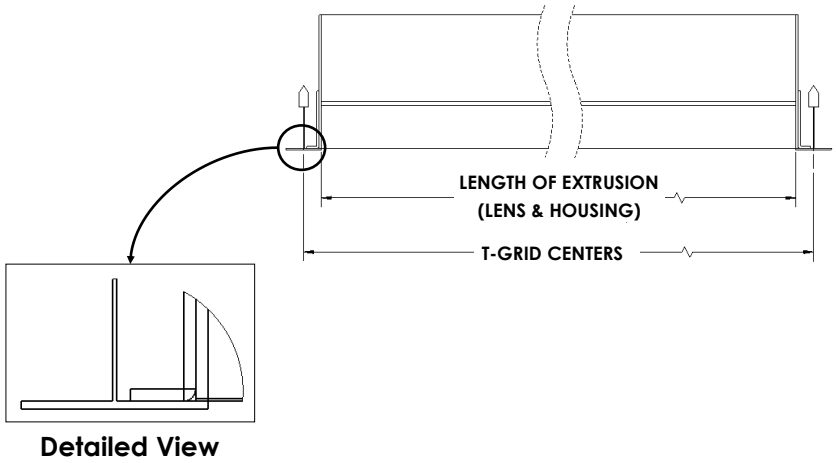
STARTEK LIGHTING AMERICA

Perimeter Beam

Type:	
Project:	
REP/Agent	
Order #:	

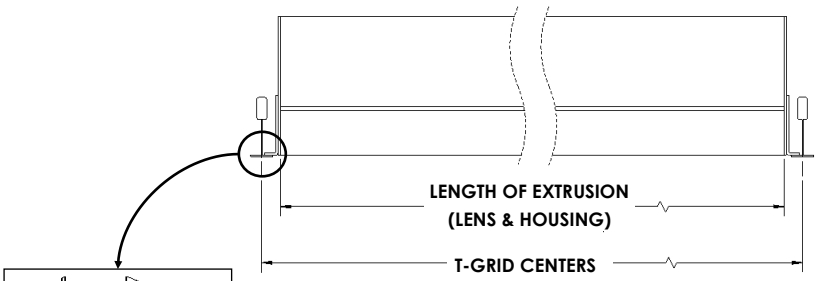
T-GRID LENGTHS

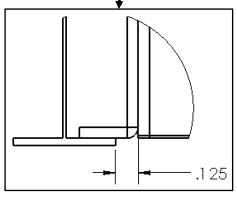
15/16" T-BAR



Detailed View

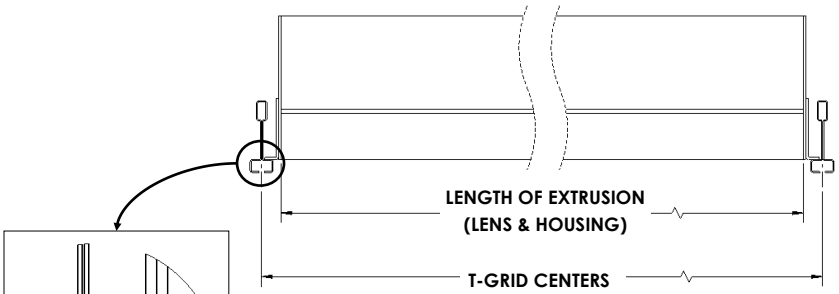
9/16" T-BAR

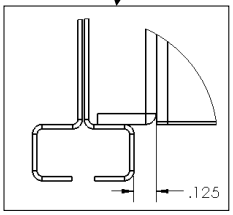




Detailed View

9/16" SCREW SLOT





Detailed View

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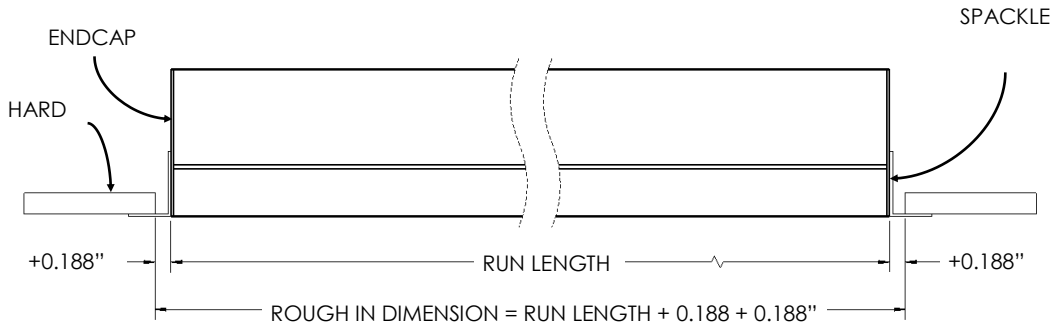
Perimeter Beam

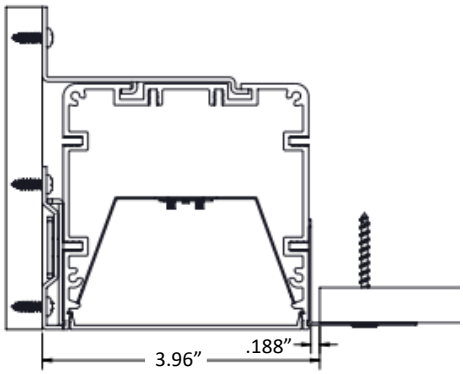
Type:	
Project:	
REP/Agent	
Order #:	

HARD CEILING LENGTH DETAILS—DWSF AND DWCB

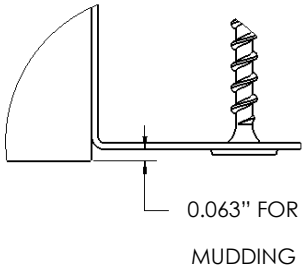
DWSF: (SPACKLE FLANGE)



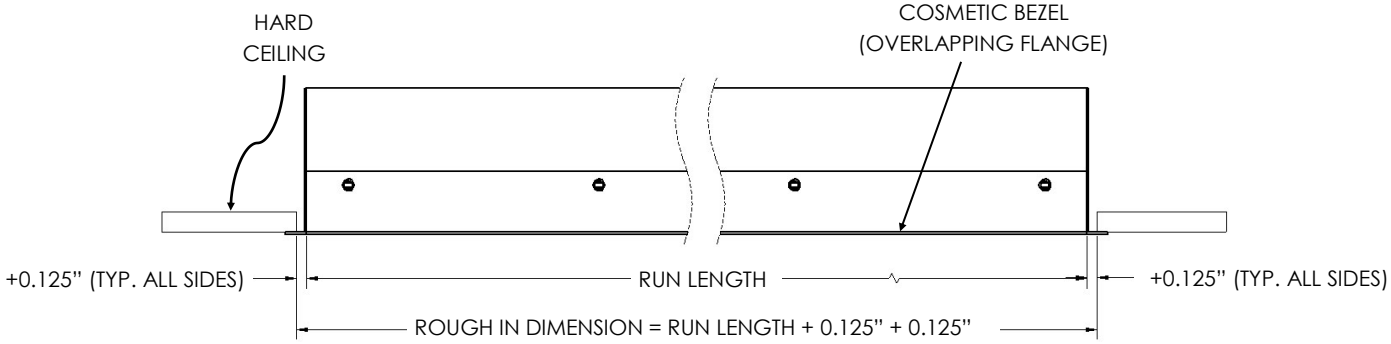
SCREW MOUNT



DETAIL VIEW



DWCB: COSMETIC BEZEL (OVERLAPPING FLANGE)



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Perimeter Beam

Type:	
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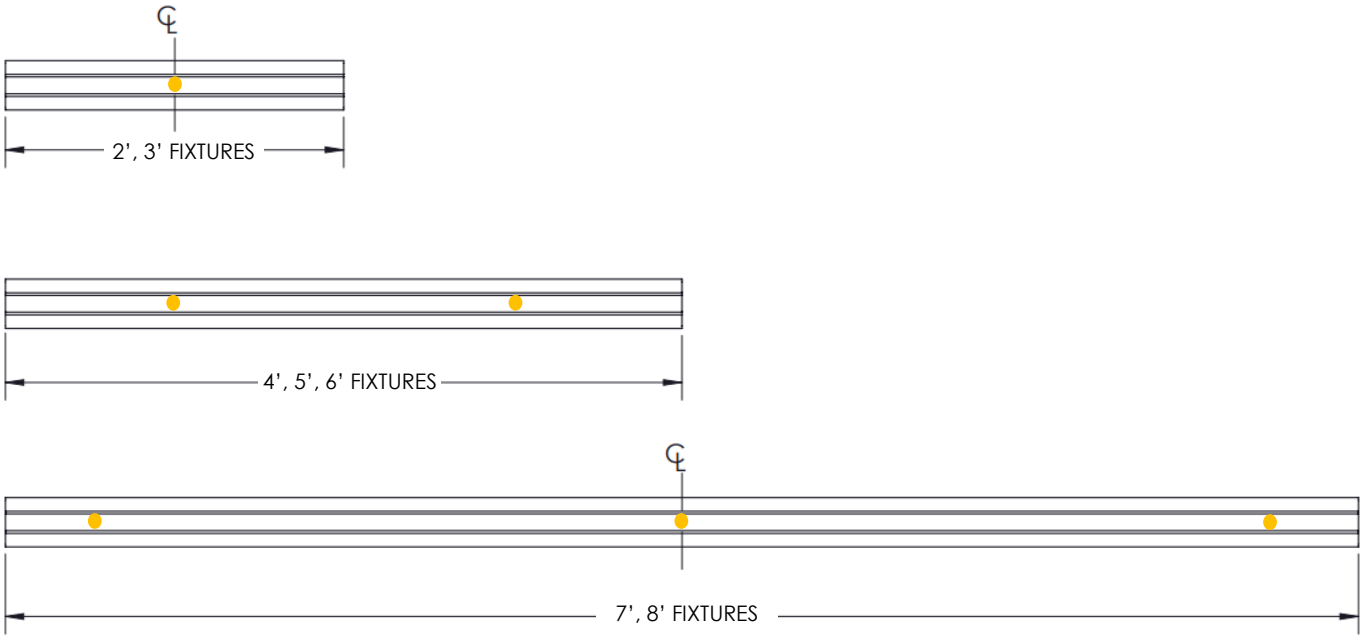
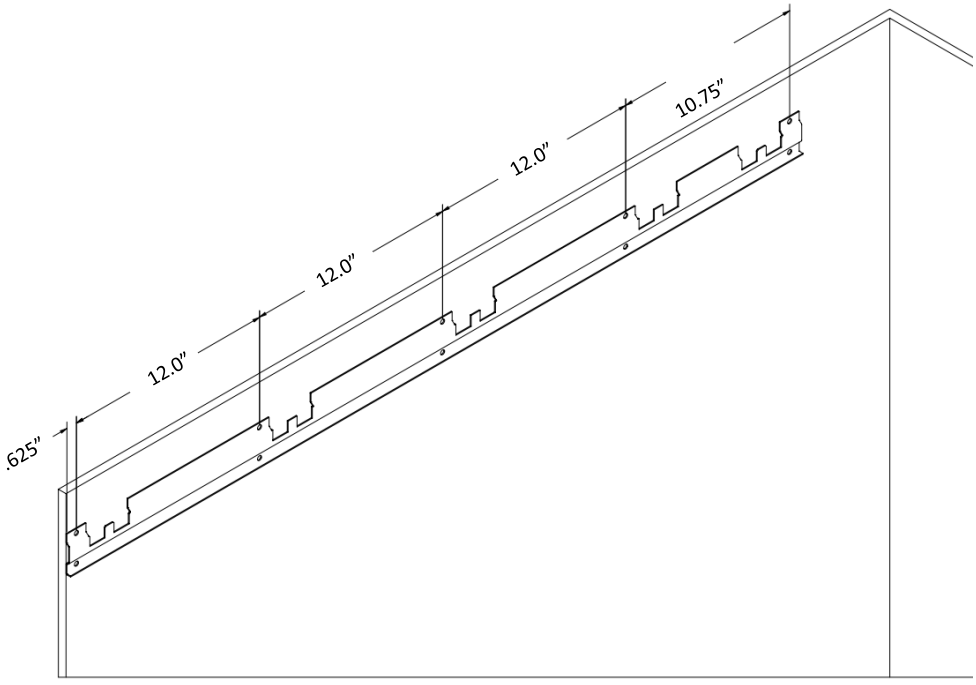
MOUNTING LOCATIONS

Number of mounting locations (●) vary based on fixture length. Views below show top of fixtures and example placement of provided mounting brackets. These brackets can be slid along the length of the fixture as necessary as long as the correct number of mounts are used.



NOTE: Hole size at mounting locations is Ø.266".



STARTEK LIGHTING AMERICA

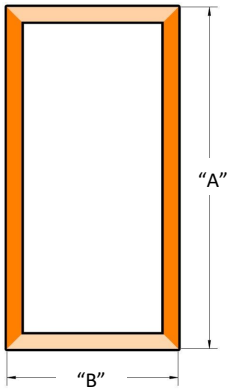
Perimeter Beam

Type:	
Project:	
REP/Agent	
Order #:	

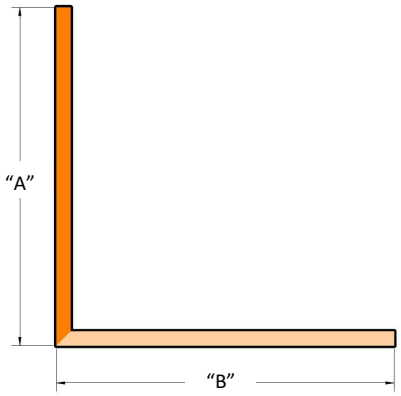
SHAPE CONFIGURATION WITH MITER CUTS

Specify the configuration and overall dimensions. Note the overall dimension is for the fixture and does not include any mounting brackets or accessories. For the "L" shape, the standard construction is to build with as many 8' sections as possible or use the longest sections first and finish the shapes with a shorter length fixture if necessary.

_x_RECT
RECTANGLE
SUPPLY AxB DIMENSIONS

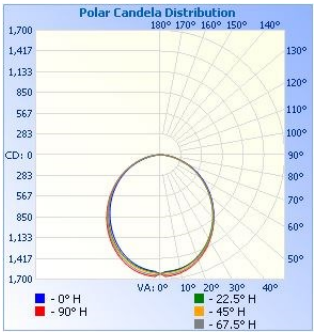


_x_L
L-SHAPE
SUPPLY AxB DIMENSIONS



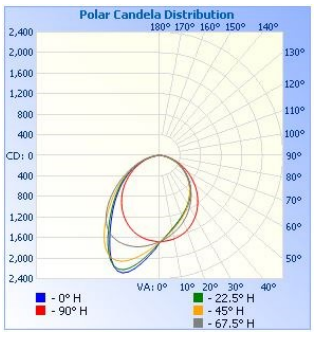
PERFORMANCE

PBEAM-X-1000-XX (80+ CRI)



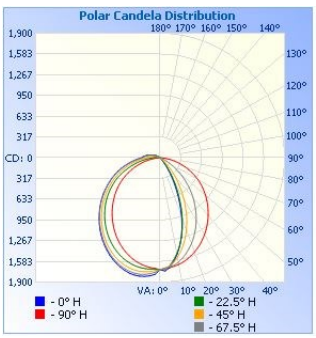
Model	Lumens	Watts	LPW
PBEAM-4-1000-SD-30K-80-FL-U	4000	35	115
PBEAM-4-1000-SD-35K-80-FL-U	4000	34	118
PBEAM-4-1000-SD-40K-80-FL-U	4000	33	121
PBEAM-4-1000-SD-50K-80-FL-U	4000	32	126

Model	Lumens	Watts	LPW
PBEAM-8-1000-SD-30K-80-FL-U	8000	67	119
PBEAM-8-1000-SD-35K-80-FL-U	8000	65	122
PBEAM-8-1000-SD-40K-80-FL-U	8000	64	125
PBEAM-8-1000-SD-50K-80-FL-U	8000	62	130



Model	Lumens	Watts	LPW
PBEAM-4-1000-FRF-30K-80-FL-U	4000	33	123
PBEAM-4-1000-FRF-35K-80-FL-U	4000	32	126
PBEAM-4-1000-FRF-40K-80-FL-U	4000	31	129
PBEAM-4-1000-FRF-50K-80-FL-U	4000	30	134

Model	Lumens	Watts	LPW
PBEAM-8-1000-FRF-30K-80-FL-U	8000	63	127
PBEAM-8-1000-FRF-35K-80-FL-U	8000	62	130
PBEAM-8-1000-FRF-40K-80-FL-U	8000	60	133
PBEAM-8-1000-FRF-50K-80-FL-U	8000	58	138



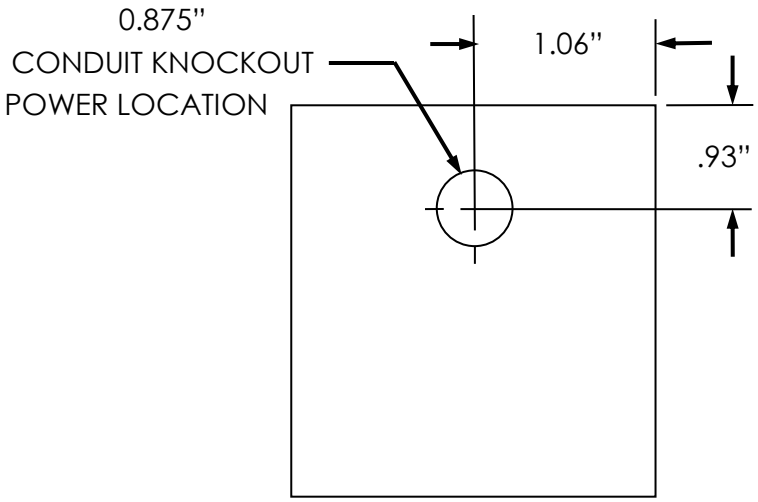
Model	Lumens	Watts	LPW
PBEAM-4-1000-SD-30K-80-4.0-U	4000	44	91
PBEAM-4-1000-SD-35K-80-4.0-U	4000	41	97
PBEAM-4-1000-SD-40K-80-4.0-U	4000	40	100
PBEAM-4-1000-SD-50K-80-4.0-U	4000	39	102

Model	Lumens	Watts	LPW
PBEAM-8-1000-SD-30K-80-4.0-U	8000	85	94
PBEAM-8-1000-SD-35K-80-4.0-U	8000	79	101
PBEAM-8-1000-SD-40K-80-4.0-U	8000	77	104
PBEAM-8-1000-SD-50K-80-4.0-U	8000	75	106

POWER LOCATION & WIRING DIAGRAMS

POWER LOCATION

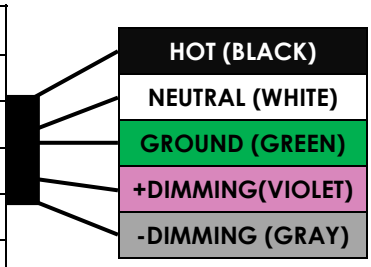
The standard power location is out the end cap on the starter fixture. If a different configuration is needed to meet an aesthetic or placement requirement, please consult the factory.



WIRING DIAGRAMS

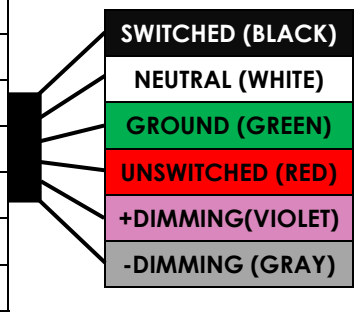
Wiring configurations are dependent on the options chosen. Below are a few examples of our standard wiring that is used to power the fixture.

WIRING	
HIGH VOLTAGE	***LOW VOLTAGE***
18 GA	
H = HOT	**+D(V)** = +DIMMING
N = NEUTRAL	-**D(G)** = -DIMMING
GND = GROUND	



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

WIRING	
HIGH VOLTAGE	***LOW VOLTAGE***
18 GA	
S = SWITCHED	**+D(V)** = +DIMMING
N = NEUTRAL	-**D(G)** = -DIMMING
U = UNSWITCHED	
GND = GROUND	



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

STARTEK LIGHTING AMERICA

Perimeter Beam

Type:	
Project:	
REP/Agent	
Order #:	

SPECIFICATIONS

Housing
Nominal 3.5" x 3.5" x .075 thick housing of continuous extruded 6063 T5 aluminum.

Luminaire Length
2', 4', 6' or 8' lengths are available for a single stand-alone section. Using internal joiners, sections can be joined to form longer rows.

Battery
Philips Bodine lithium ion battery providing up to 720lm (6W) or up to 1200lm(10W) for 90 minutes. UL924 listed. Class 2 compliant. Meets Title 20 CEC (California Energy Commission) efficiency standards.

Lensing
Snap-in .080" thick acrylic lensing with impact modifier

Source
Four standard lumen packages are available in four color temperature options (3000K, 3500K, 4000K and 5000K) — all within 3 MacAdam ellipses.

Certification

Environment
Suitable for dry and damp locations.

Operating temp.: -40°C to +45°C

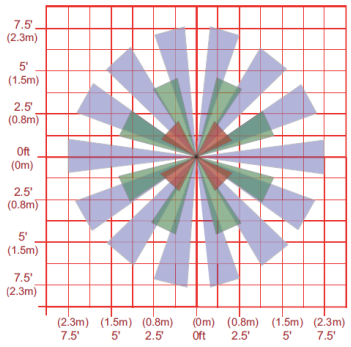
Dimming Driver
Universal Lighting Technologies (ULT) Everline series of LED drivers allows tunable output currents to achieve infinite configurations of output. UL Class 2 recognized. 0-10v interface can be wired as Class 1 or Class 2 circuit. Included 2.5Kw ring and wave overcurrent protection, isolation of each individual output and a fully potted driver to protect from heat and vibration. Power factor <.93

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

CONTROL

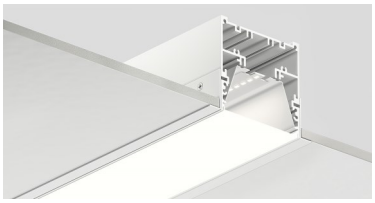
Sensor

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).

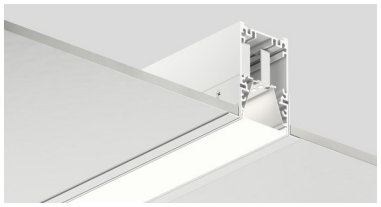


COMPANION PRODUCTS

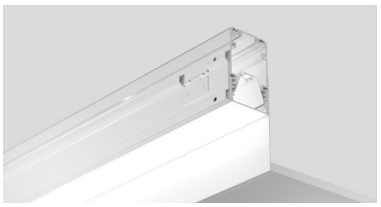
Recessed Beam



Recessed Slim Beam



Perimeter Slim Beam



WARRANTY

5-year limited warranty. Complete warranty terms can be located at:

http://www.starteklightingamerica.com/images/pdf/warranty/Beam_Series_Warranty.pdf

Note: Actual performance may differ as a result of installation environment and final application.
All values are design or typical values, measured under laboratory conditions, at 25°C (77°F) .