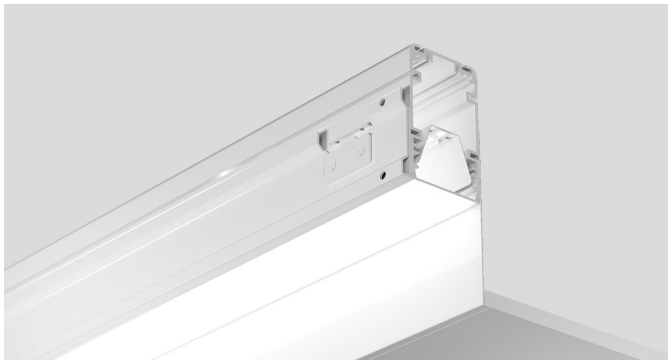
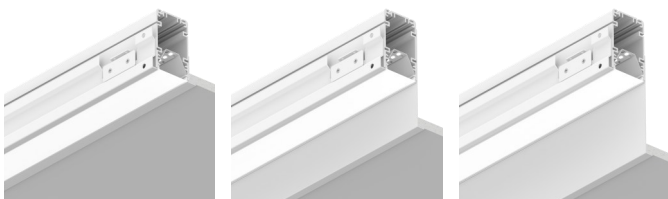


Type:	
Project:	
REP/Agent:	
Order #:	

PERIMETER SLIM BEAM



SHIELDING

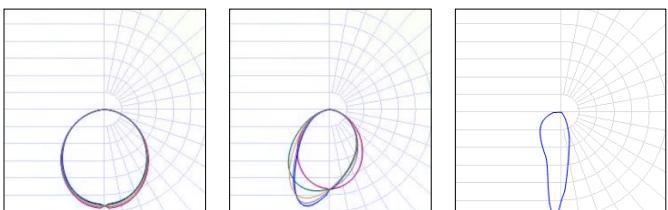


FLUSH

R2.5

R4.0

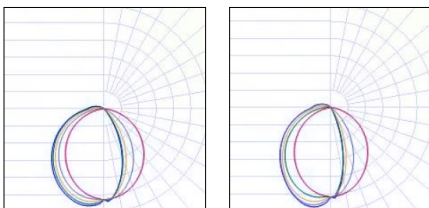
DISTRIBUTION



Lens: SD
Shielding: FL

Lens: FRF
Shielding: FL

Lens: GRZ
Shielding: FL



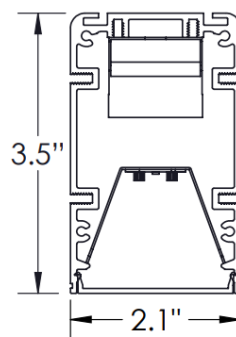
Lens: SD
Shielding: R2.5

Lens: SD
Shielding: R4.0

FEATURES

- ★ Continuous lensing - runs up to 100'
- ★ 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 $\pm 2.7"$ 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
- ★ IC Rated

DIMENSIONS



Type:	
Project:	
REP/Agent:	
Order #:	

PERIMETER SLIM BEAM

PSLIM						
SERIES	LENGTH	LUMENS PER FOOT	DISTRIBUTION	CCT	CRI	HOUSING
PSLIM	XX= Run Length _x_RECT= Rectangle _x_L= L-Shape	350= 350 LPF 500= 500 LPF 750= 750 LPF 1000= 1000 LPF XXX= Custom LPF	SD= SatinIce Diffuse FRF= Flush Asymmetric Room Fill GRZ= Wall Graze	30K= 3000K 35K= 3500K 40K= 4000K 50K= 5000K TW= Tunable white ¹ (2700-6500K)	80= 80 90= 90 (R9 50 min)	#A= Adjustable ("#" indicates quantity) (allows for a change of ± 2.7" to overall run length) F= Fixed (not recommended for wall-to-wall installations)

FINISH	MOUNTING	SHIELDING	VOLTAGE	ELECTRICAL
STANDARD PW= Powder Coat White PB= Powder Coat Black	T-GRID TBX= 9/16" Grid 5/16" Grid 9/16" Grid (Tegular Tile) 15/16" Grid (Tegular Tile) 9/16" Screw Slotted T-Grid	FL = Flush R2.5 = 2.5" Regress R4.0 = 4.0" Regress	U = 120-277 C = 347	1C = Single Circuit MC = Multiple Circuits (multiple switch legs across run length) EC = Emergency Circuit (separate powder drops for EC fixtures) GTD = Generator Transfer Device
PREMIUM RALxxx= Powder Coat RAL xxxx (Gloss Finish)				
CUSTOM PO= Powder Other	COSMETIC BEZEL CB(W)= Cosmetic Bezel White CB(B)= Cosmetic Bezel Black SPACKLE FLANGE SF= Spackle Flange TRIMLESS TR= Trimless Drywall			

OPTIONS

SPECIALTY DRIVERS (Standard driver is 0-10V, dim to 1% output current)

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, 0-10v²
TW-EL= eldoLED DUALdrive Tunable White (DALI)²
LD2=Lutron DALI 2 Digital Tunable White driver with 1% dimming²
RD-xx'-xxxxx= Remote Driver 120V-277V
Consult Factory

BATTERIES ("#" indicates quantity)

#EMB6= 6W EM Battery (Iota/Bodine)
#EMB10= 10W EM Battery (Iota/Bodine)
#FCEMB10= 10W EM Battery (Factory Choice)
#FCEMB14= 14W EM Battery (Factory Choice)

REMOTE MOUNTED SENSORS

DMxx%= Daylight/Motion Sensor (xx%= % Min. Dimming)
NLA= Acuity nLight Air
WVL= Cooper Wavelinx

OTHER

CP= Chicago Plenum (CCEA)
CFW= Conduit Flex Whip

EXAMPLE: PSLIM-20-750-SD-40K-80-1A-PW-TR-FL-U-1C-1EMB10

¹ Tunable White Driver must be specified in options

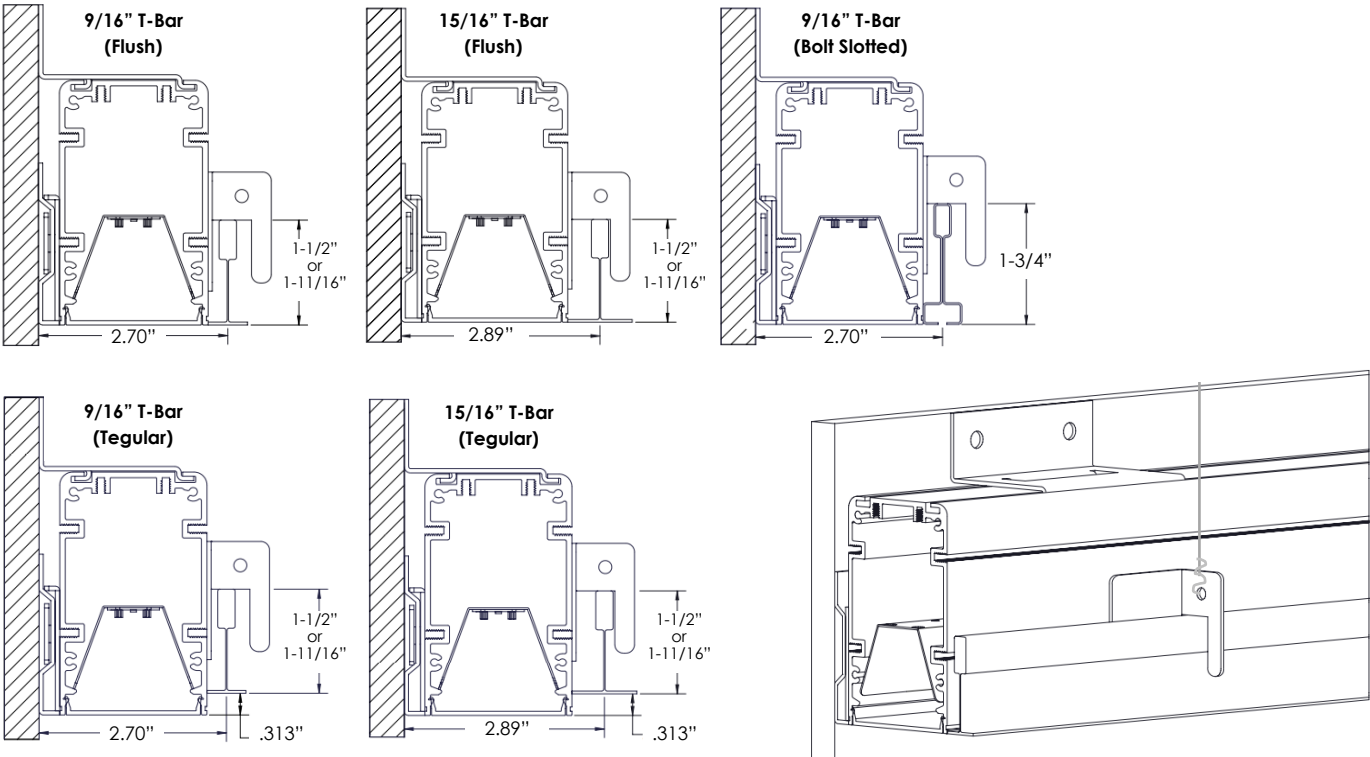
² 50 Watt Max. Dual driver required for higher fixture wattage

³ Emergency battery option not available with 2' fixtures

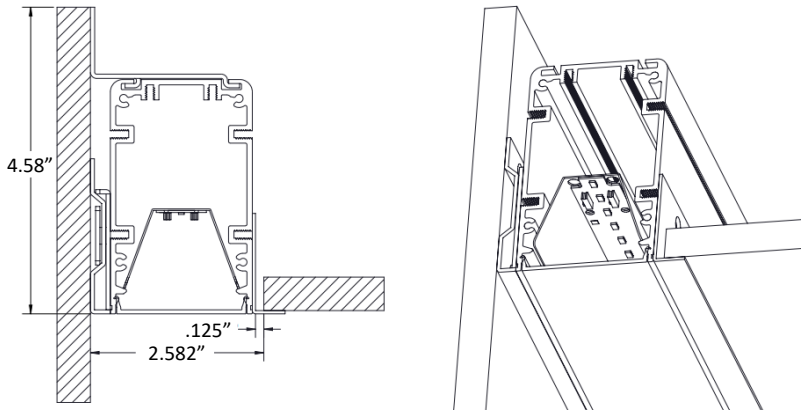
PERIMETER SLIM BEAM

MOUNTING OPTIONS

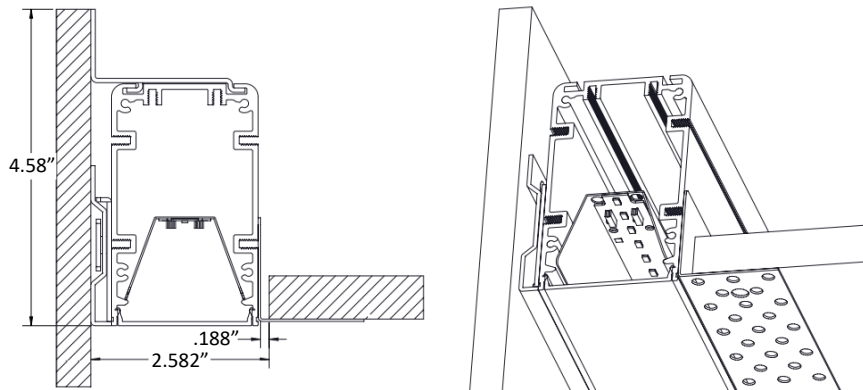
TBX - T-Grid



CB - Cosmetic Bezel

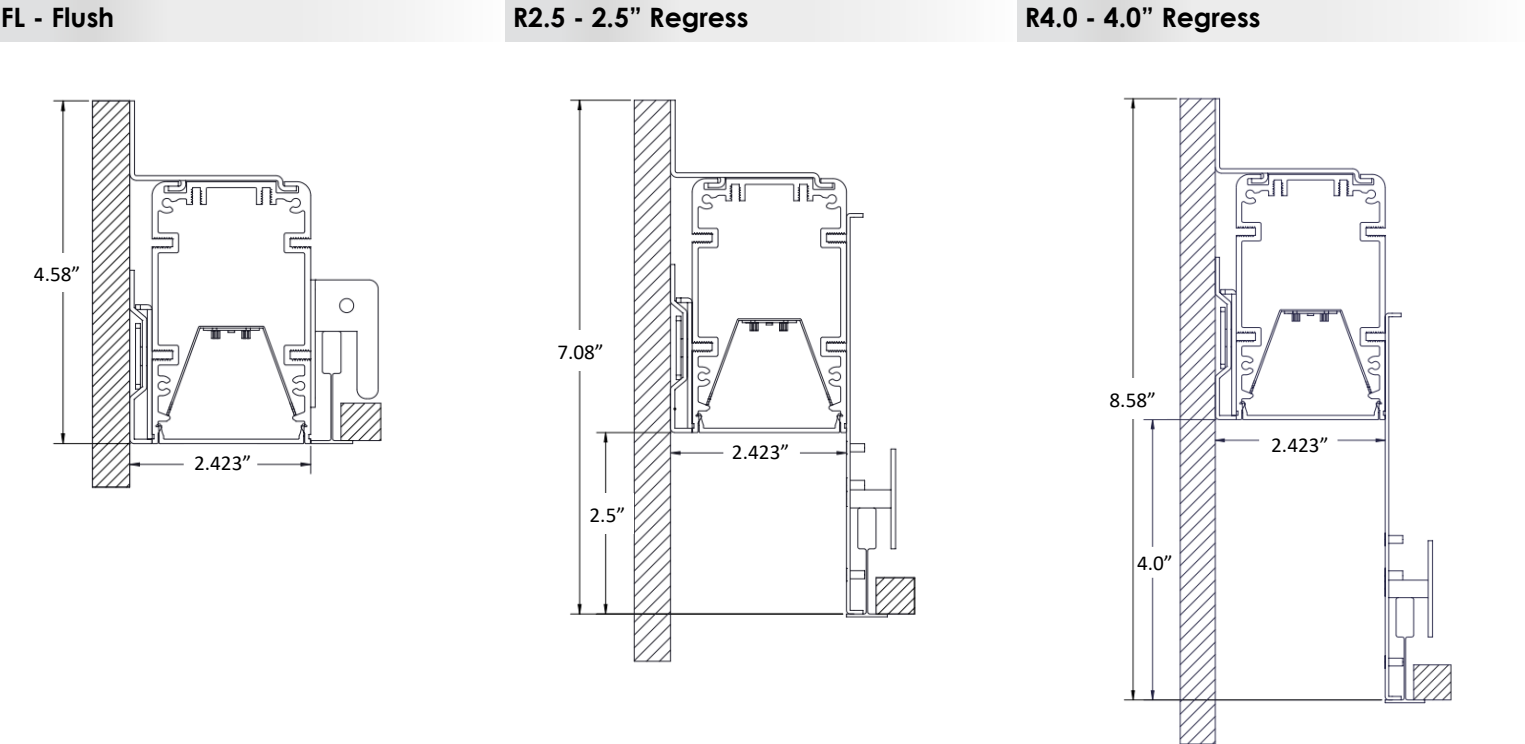


SF - Spackle Flange

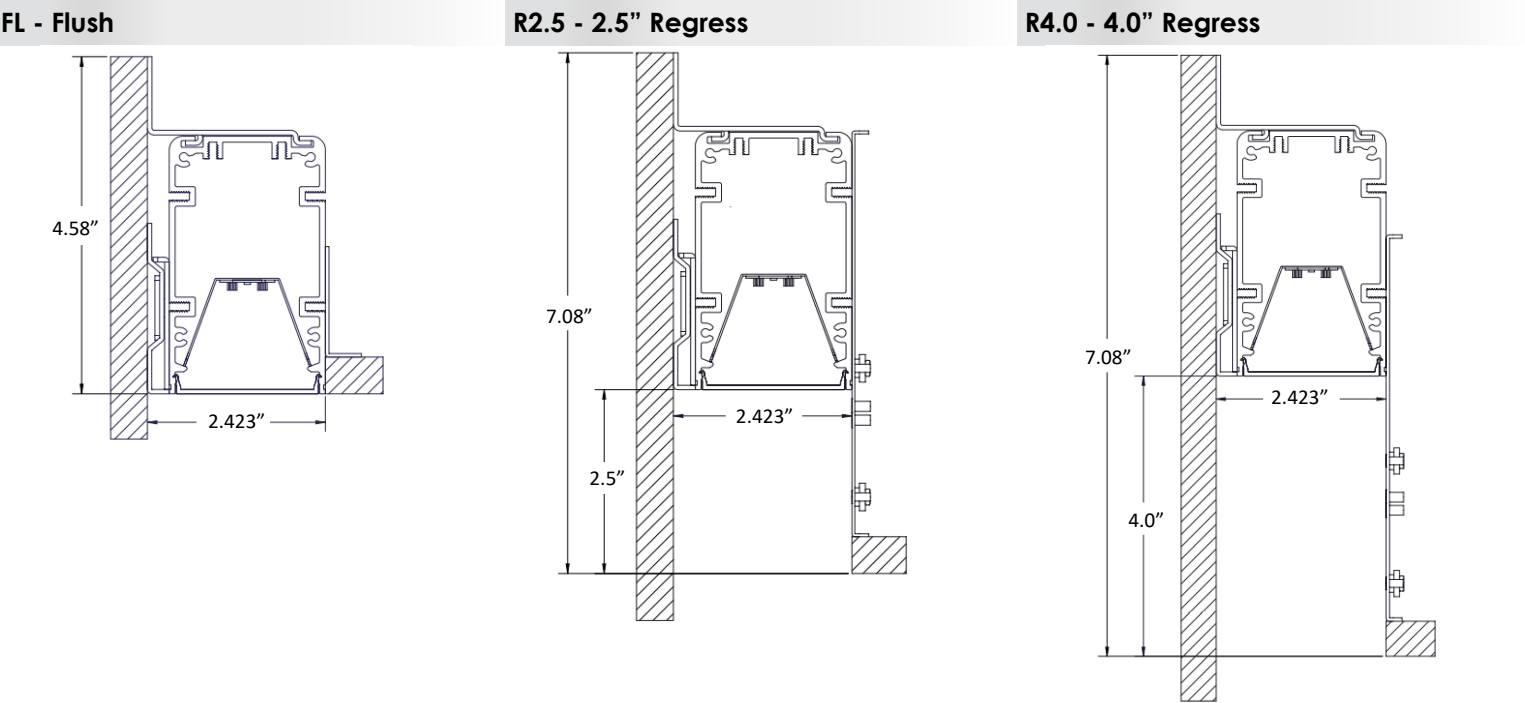


PERIMETER SLIM BEAM

SHIELDING OPTIONS—T-GRID APPLICATION (TBX)



SHIELDING OPTIONS—TRIMLESS DRYWALL (TR)



Note: Luminaires must be installed prior to ceiling drywall.

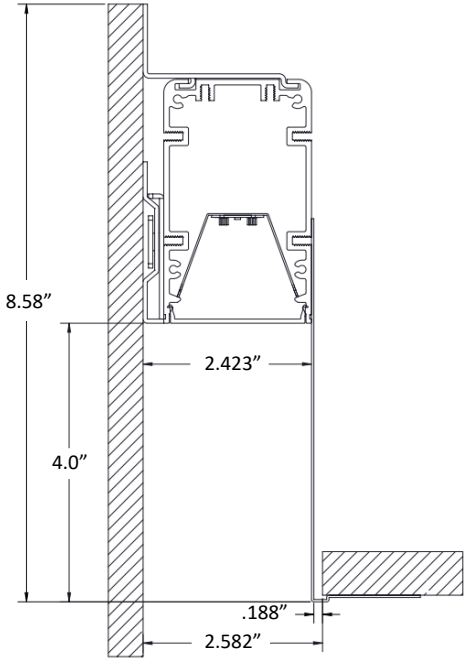
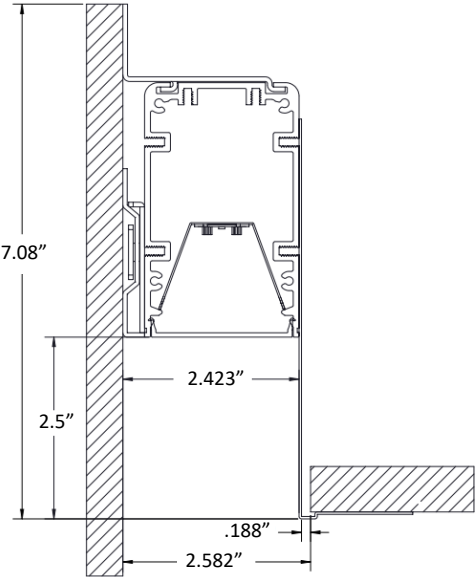
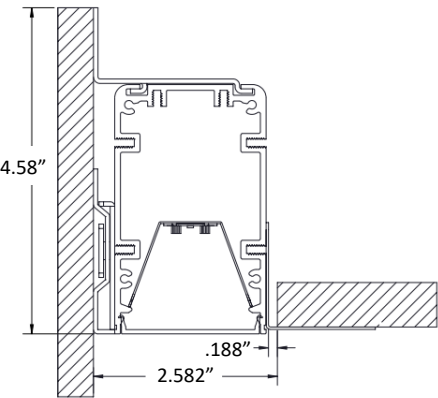
PERIMETER SLIM BEAM

SHIELDING OPTIONS—Drywall Spackle Flange (SF)

FL - Flush

R2.5 - 2.5" Regress

R4.0 - 4.0" Regress

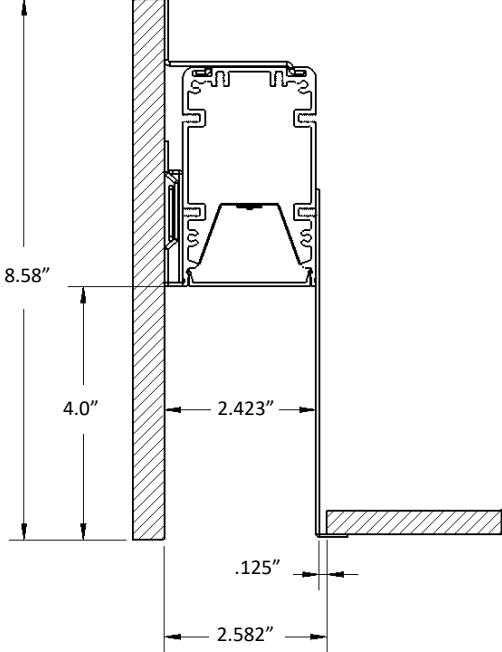
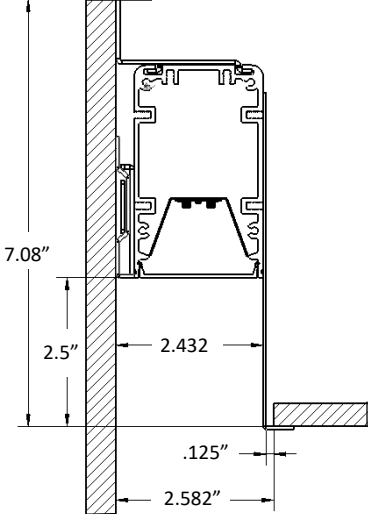
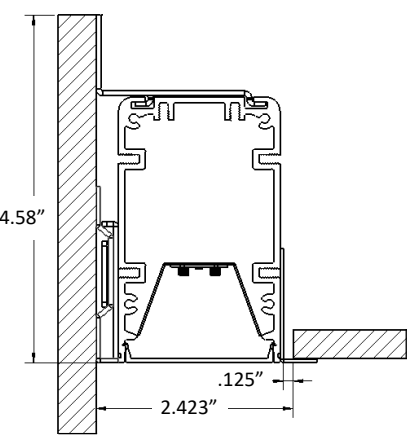


SHIELDING OPTIONS— COSMETIC BEZEL (CB)

FL - Flush

R2.5 - 2.5" Regress

R4.0 - 4.0" Regress



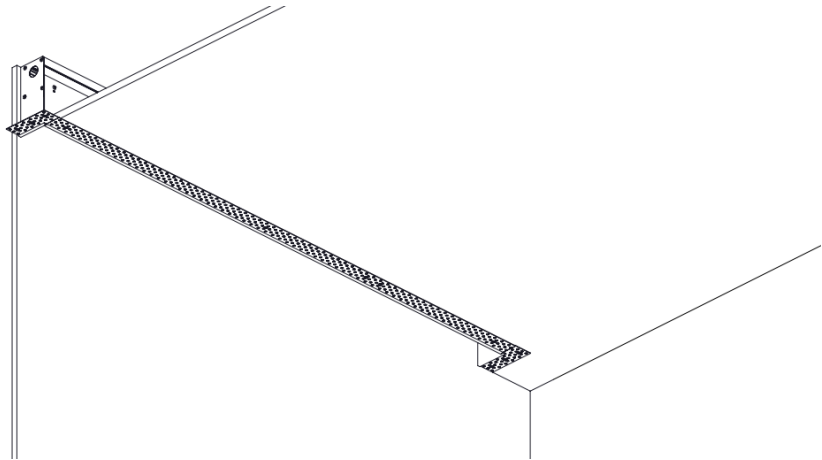
Note: Luminaires must be installed prior to ceiling drywall.

PERIMETER SLIM BEAM

HOUSING OPTIONS

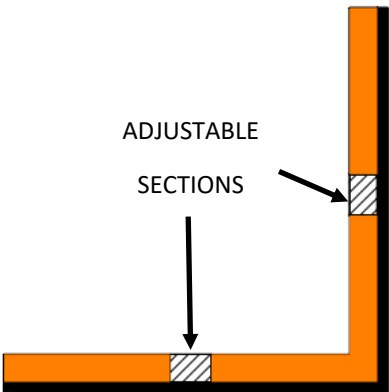
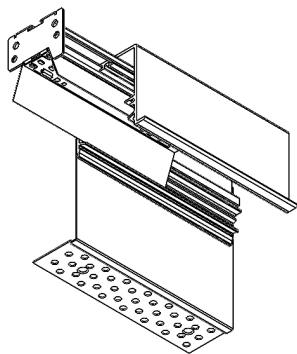
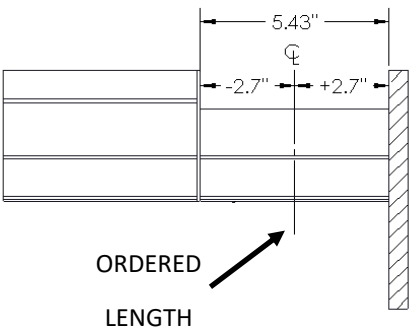
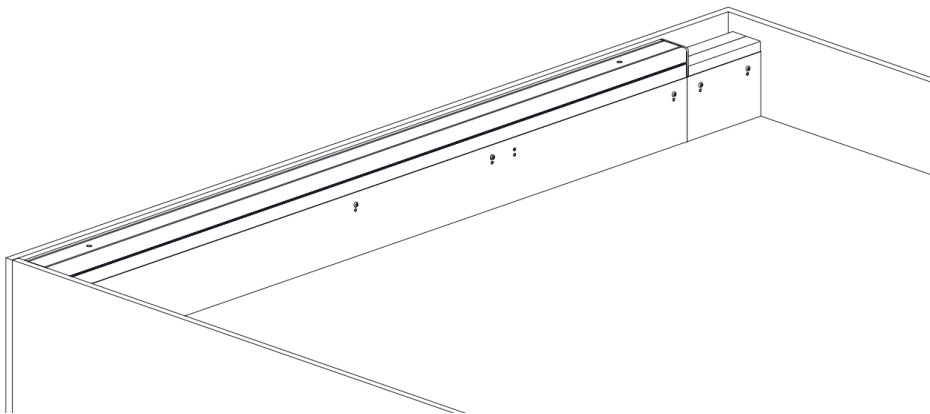
F - Fixed

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 $\pm 2.7"$. 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.**



PERIMETER SLIM BEAM

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.

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

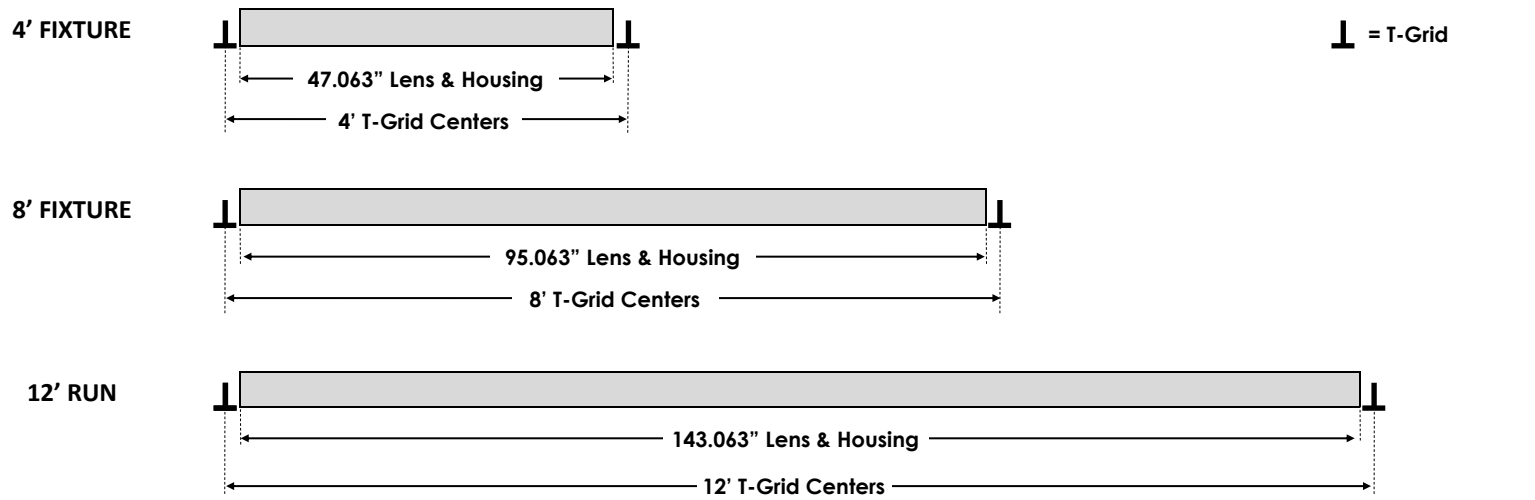
NOTE: Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

INDIVIDUAL AND CONTINUOUS FIXTURE CONFIGURATION—T-GRID

Individual & Continuous Run

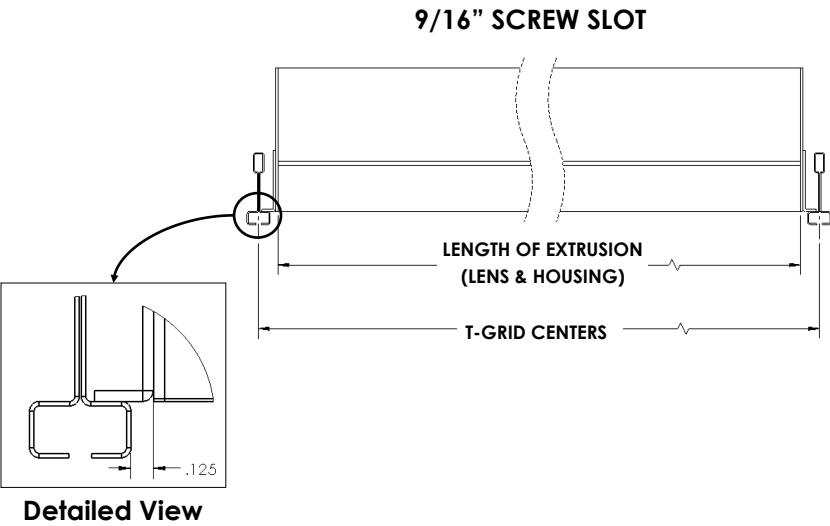
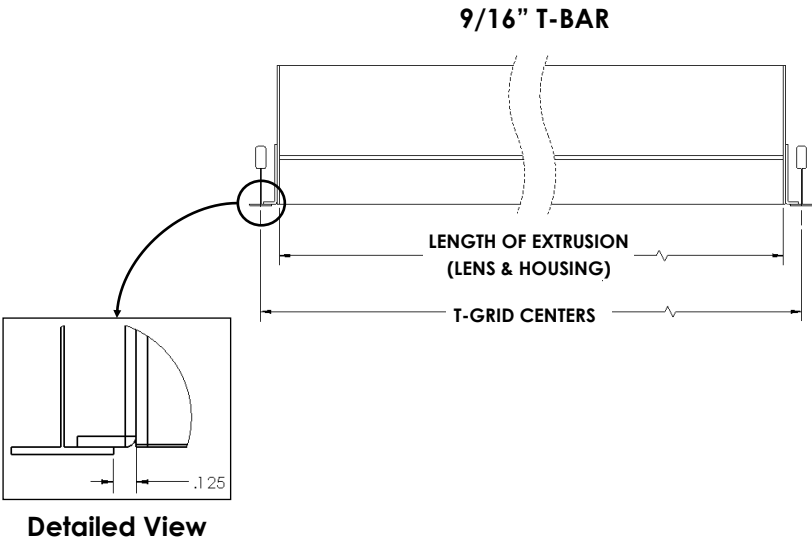
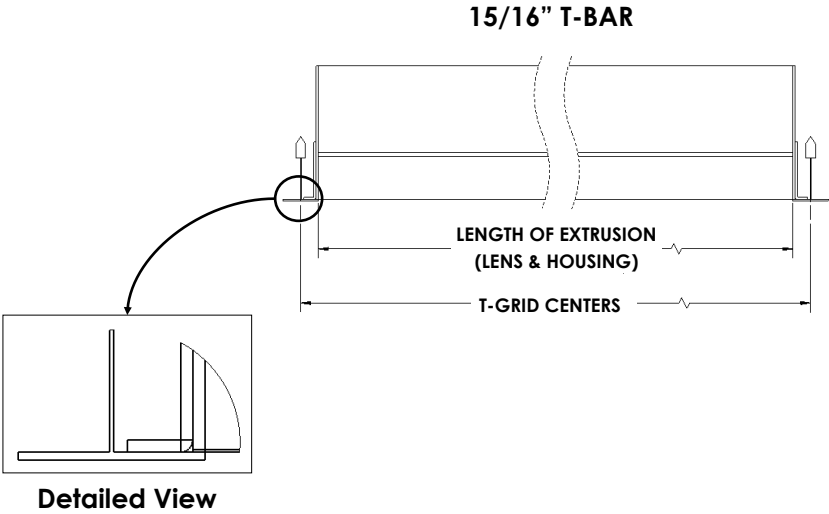
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 4). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. If a different 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:



PERIMETER SLIM BEAM

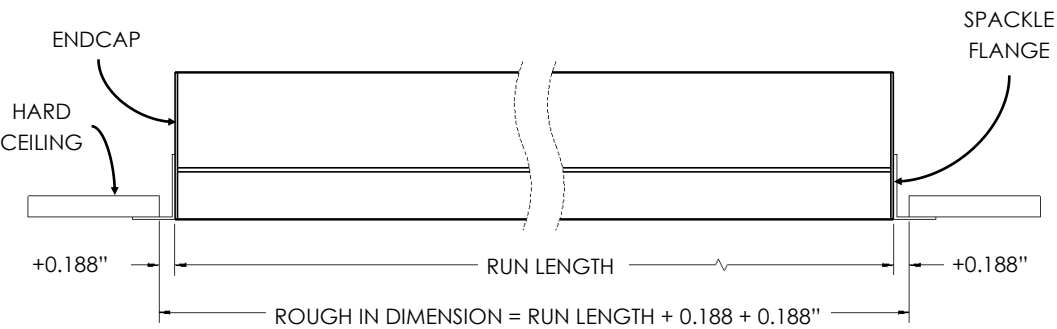
T-GRID LENGTHS



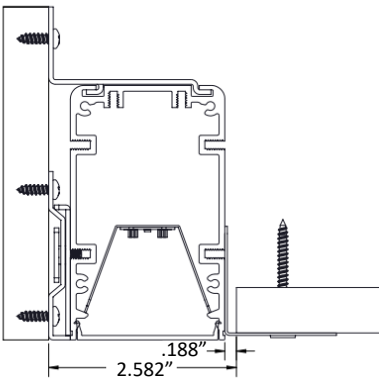
PERIMETER SLIM BEAM

HARD CEILING LENGTH DETAILS—SF AND CB

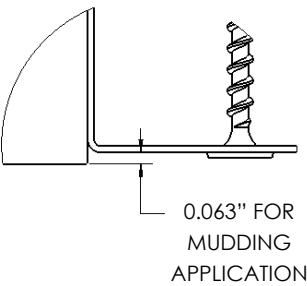
SF: (SPACKLE FLANGE)



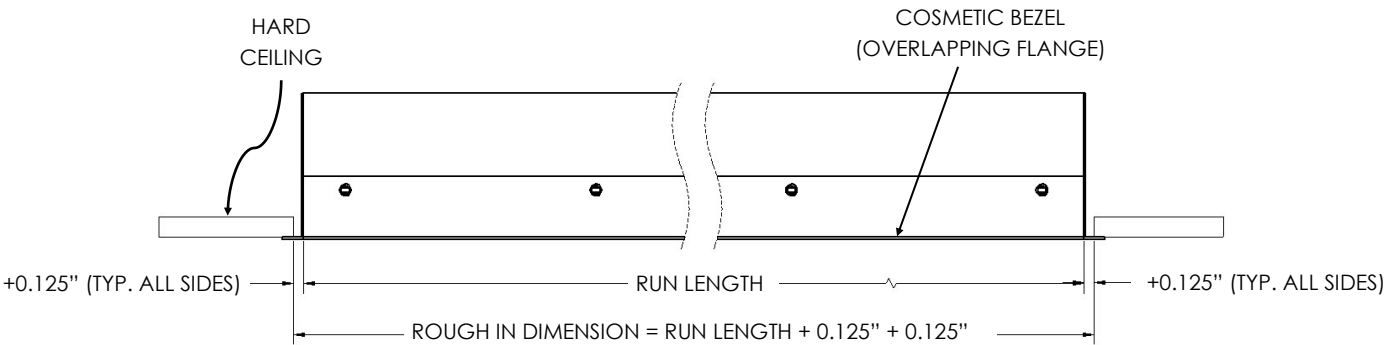
SCREW MOUNT



DETAIL VIEW



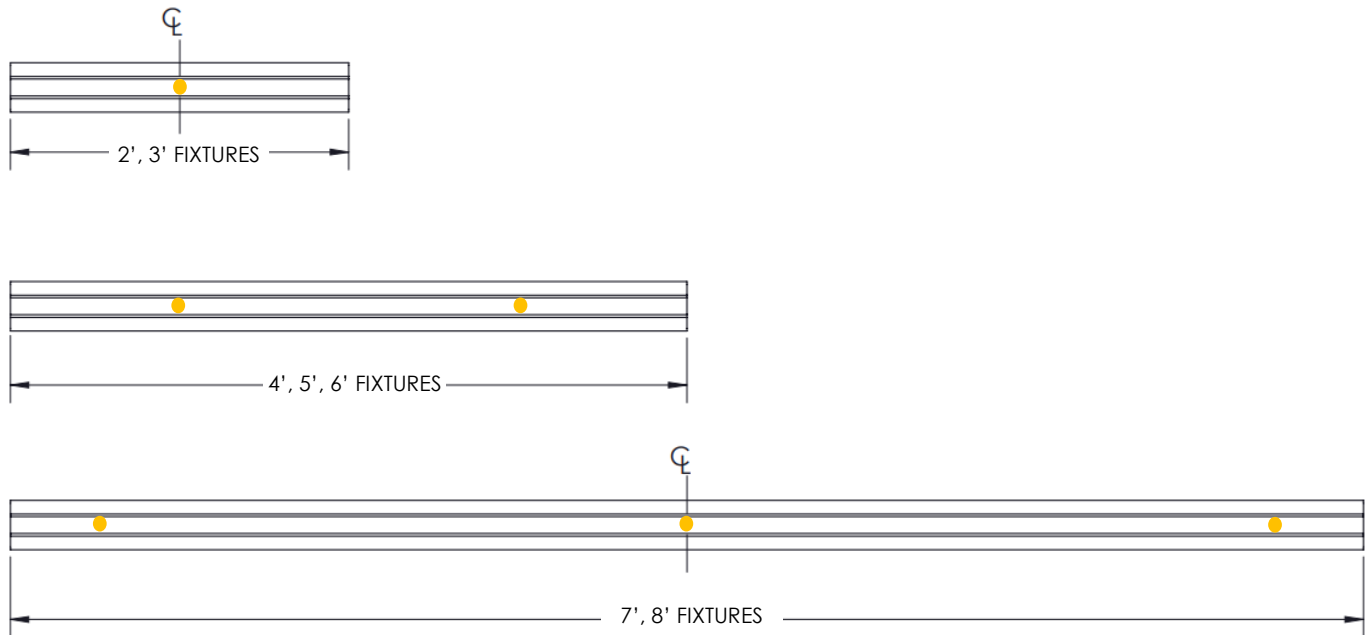
CB: COSMETIC BEZEL (OVERLAPPING FLANGE)



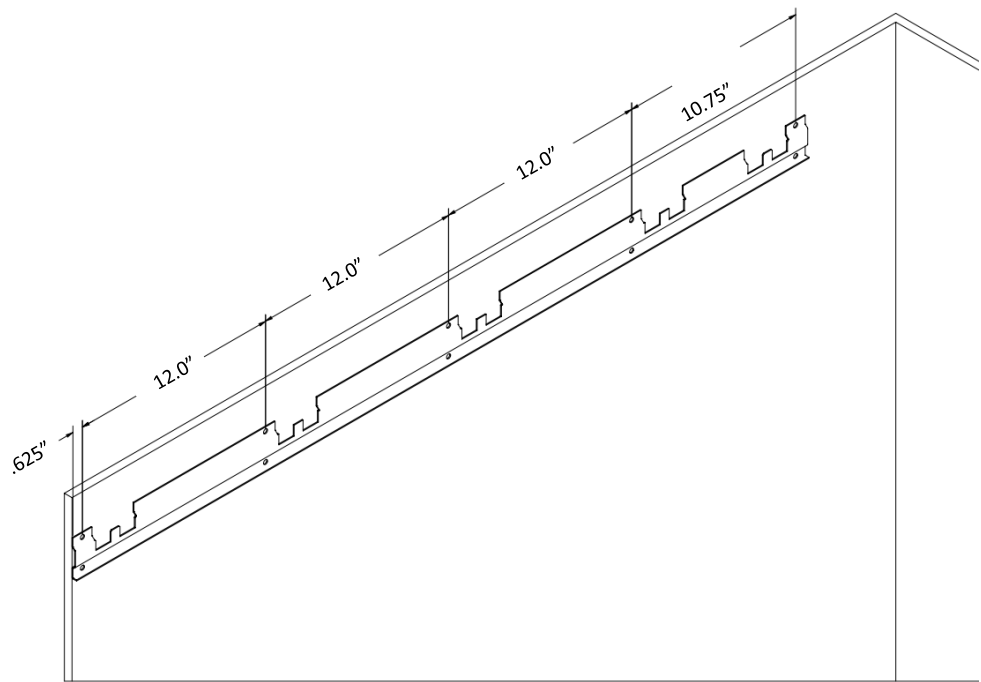
PERIMETER SLIM BEAM

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.



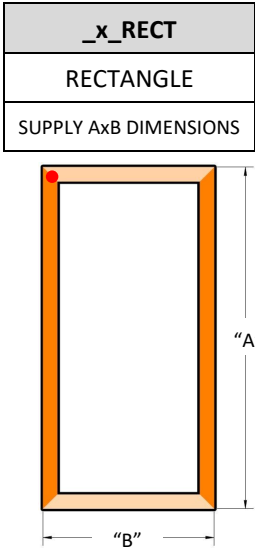
NOTE: Hole size at mounting locations is $\varnothing.266"$.



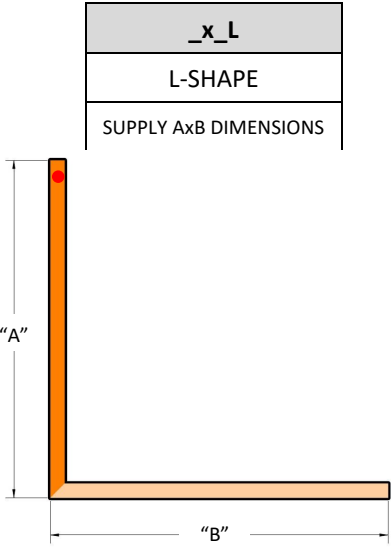
PERIMETER SLIM BEAM

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.



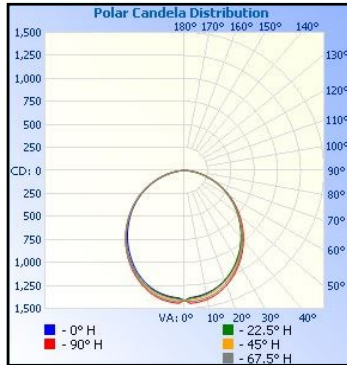
● = Power Location



PERIMETER SLIM BEAM

PERFORMANCE

PSLIM-X-1000-SD-FL (80+ CRI)



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,141.7	28.5%
0-40	1,845.0	46.1%
0-60	3,182.0	79.5%
60-90	818.2	20.5%
70-100	345.8	8.6%
90-120	0	0%
0-90	4,000.1	100%
90-180	0	0%
0-180	4,000.1	100%

Model	Lumens	Watts	LPW
PSLIM-4-1000-SD-30K-80-FL-U	4000	40	100
PSLIM-4-1000-SD-35K-80-FL-U	4000	39	103
PSLIM-4-1000-SD-40K-80-FL-U	4000	38	106
PSLIM-4-1000-SD-50K-80-FL-U	4000	36	111

Model	Lumens	Watts	LPW
PSLIM-8-1000-SD-30K-80-FL-U	8000	77	104
PSLIM-8-1000-SD-35K-80-FL-U	8000	75	107
PSLIM-8-1000-SD-40K-80-FL-U	8000	73	110
PSLIM-8-1000-SD-50K-80-FL-U	8000	70	115

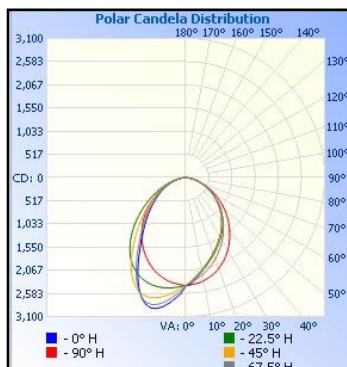
Luminance Data (cd/sg.m)

Angle in Degrees	Average 0-DEG	Average 45-Deg	Average 90-Deg
45	20263	20348	20911
55	19216	19044	19624
65	18022	17464	18022
75	15702	15250	15766
85	12391	11355	11912

Candela Distribution

	0	22.5	45	67.5	90
0	1492	1492	1492	1492	1492
5	1456	1465	1479	1502	1523
10	1433	1441	1459	1482	1503
15	1395	1400	1418	1441	1462
20	1343	1342	1360	1381	1402
25	1274	1271	1288	1307	1326
30	1194	1189	1207	1225	1240
35	1105	1100	1116	1129	1145
40	1006	1000	1016	1027	1042
45	906	897	910	919	935
50	804	791	800	809	823
55	697	684	691	698	712
60	591	575	580	586	597
65	482	466	467	472	482
70	367	353	356	362	368
75	257	244	250	253	258
80	156	144	149	153	156
85	68	59	63	65	66
90	0	0	0	0	0

PSLIM-X-1000-SD-FRF-FL (80+ CRI)



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,324.8	33.1%
0-40	2,079.7	52%
0-60	3,350.7	83.8%
60-90	649.5	16.2%
70-100	256.1	6.4%
90-120	0	0%
0-90	4,000.1	100%
90-180	0	0%
0-180	4,000.1	100%

Model	Lumens	Watts	LPW
PSLIM-4-1000-FRF-30K-80-FL-U	4000	45	89
PSLIM-4-1000-FRF-35K-80-FL-U	4000	42	95
PSLIM-4-1000-FRF-40K-80-FL-U	4000	41	97
PSLIM-4-1000-FRF-50K-80-FL-U	4000	40	99

Model	Lumens	Watts	LPW
PSLIM-8-1000-FRF-30K-80-FL-U	8000	87	92
PSLIM-8-1000-FRF-35K-80-FL-U	8000	82	98
PSLIM-8-1000-FRF-40K-80-FL-U	8000	80	100
PSLIM-8-1000-FRF-50K-80-FL-U	8000	78	102

Luminance Data (cd/sg.m)

Angle in Degrees	Average 0-DEG	Average 45-Deg	Average 90-Deg
45	18038	17413	21193
55	16136	15713	18517
65	13792	13752	15536
75	10792	11031	12016
85	5683	6378	7449

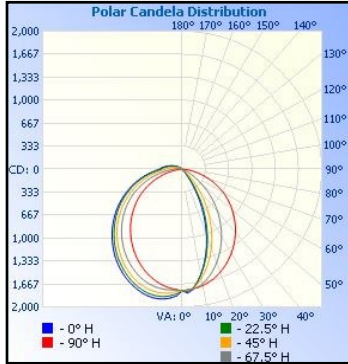
Candela Distribution

	0	22.5	45	67.5	90
0	1712	1712	1712	1712	1712
5	1622	1592	1599	1631	1688
10	1502	1480	1498	1554	1657
15	1394	1375	1399	1466	1602
20	1295	1274	1299	1369	1529
25	1198	1175	1196	1263	1435
30	1103	1079	1094	1154	1330
35	1008	983	990	1038	1209
40	911	883	884	920	1082
45	807	781	779	803	948
50	697	678	674	688	811
55	585	574	570	577	672
60	480	469	468	470	542
65	369	365	368	367	415
70	267	265	271	269	299
75	177	174	181	180	197
80	96	94	100	101	109
85	31	30	35	37	41
90	0	0	0	0	0

PERIMETER SLIM BEAM

PERFORMANCE

PSLIM-X-1000-SD-R2.5 (80+ CRI)



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,248.4	31.2%
0-40	1,918.7	48%
0-60	3,101.7	77.5%
60-90	898.4	22.5%
70-100	459.9	11.5%
90-120	0	0%
0-90	4,000.1	100%
90-180	0	0%
0-180	4,000.1	100%

Model	Lumens	Watts	LPW
PSLIM-4-1000-SD-30K-80-R2.5-U	4000	42	95
PSLIM-4-1000-SD-35K-80-R2.5-U	4000	39	102
PSLIM-4-1000-SD-40K-80-R2.5-U	4000	38	104
PSLIM-4-1000-SD-50K-80-R2.5-U	40000	37	106

Model	Lumens	Watts	LPW
PSLIM-8-1000-SD-30K-80-R2.5-U	8000	81	99
PSLIM-8-1000-SD-35K-80-R2.5-U	8000	75	106
PSLIM-8-1000-SD-40K-80-R2.5-U	8000	74	108
PSLIM-8-1000-SD-50K-80-R2.5-U	8000	73	110

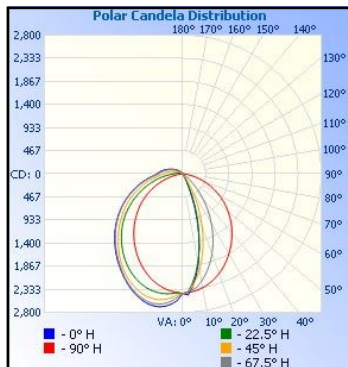
Luminance Data (cd/sg.m)

Angle in Degrees	Average 0-DEG	Average 45-Deg	Average 90-Deg
45	0	2819	21401
55	0	0	20118
65	0	0	18154
75	0	0	14578
85	0	0	7291

Candela Distribution

	0	22.5	45	67.5	90
0	1773	1773	1773	1773	1773
5	1758	1740	1743	1747	1751
10	1553	1554	1606	1693	1719
15	1302	1322	1427	1582	1668
20	1022	1058	1222	1445	1597
25	729	788	996	1293	1462
30	449	518	768	1128	1412
35	202	276	539	956	1305
40	22	78	326	782	1191
45	0	16	141	605	1069
50	0	0	9	430	944
55	0	0	0	264	816
60	0	0	0	118	683
65	0	0	0	13	542
70	0	0	0	0	402
75	0	0	0	0	267
80	0	0	0	0	144
85	0	0	0	0	45
90	0	0	0	0	0

PSLIM-X-1000-SD-R4.0 (80+ CRI)



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,222.1	30.6%
0-40	1,850.6	46.3%
0-60	3,031.7	75.8%
60-90	968.4	24.2%
70-100	506.1	12.7%
90-120	0	0%
0-90	4,000.1	100%
90-180	0	0%
0-180	4,000.1	100%

Model	Lumens	Watts	LPW
PSLIM-4-1000-SD-30K-80-R4.0-U	4000	46	86
PSLIM-4-1000-SD-35K-80-R4.0-U	4000	43	92
PSLIM-4-1000-SD-40K-80-R4.0-U	4000	42	94
PSLIM-4-1000-SD-50K-80-R4.0-U	4000	40	96

Model	Lumens	Watts	LPW
PSLIM-8-1000-SD-30K-80-R4.0-U	8000	89	89
PSLIM-8-1000-SD-35K-80-R4.0-U	8000	84	95
PSLIM-8-1000-SD-40K-80-R4.0-U	8000	82	97
PSLIM-8-1000-SD-50K-80-R4.0-U	8000	81	99

Luminance Data (cd/sg.m)

Angle in Degrees	Average 0-DEG	Average 45-Deg	Average 90-Deg
45	0	0	24038
55	0	0	22074
65	0	0	19198
75	0	0	14311
85	0	0	4375

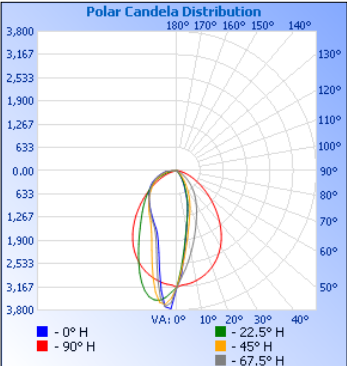
Candela Distribution

	0	22.5	45	67.5	90
0	1888	1888	1888	1888	1888
5	1783	1735	1779	1841	1864
10	1416	1394	1530	1716	1823
15	970	988	1224	1544	1758
20	531	580	890	1346	1673
25	165	231	568	1128	1571
30	0	13	277	904	1457
35	0	0	54	679	1336
40	0	0	0	466	1208
45	0	0	0	269	1075
50	0	0	0	101	939
55	0	0	0	10	801
60	0	0	0	0	657
65	0	0	0	0	513
70	0	0	0	0	369
75	0	0	0	0	234
80	0	0	0	0	117
85	0	0	0	0	24
90	0	0	0	0	0

PERIMETER SLIM BEAM

PERFORMANCE

PSLIM-X-1000-GRZ-35K-80-FL-U



Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1,549.7	38.7%
0-40	2,218.5	55.5%
0-60	3,286.6	82.2%
60-90	713.5	17.8%
70-100	356.0	8.9%
90-120	0.000	0%
0-90	4,000.1	100%
90-180	0.000	0%
0-180	4,000.1	100%

Model	Lumens	Watts	LPW
PSLIM-4-1000-GRZ-30K-80-FL-U	4000	37	108
PSLIM-4-1000-GRZ-35K-80-FL-U	4000	35	114
PSLIM-4-1000-GRZ-40K-80-FL-U	4000	34	118
PSLIM-4-1000-GRZ-50K-80-FL-U	4000	34	118

Model	Lumens	Watts	LPW
PSLIM-8-1000-GRZ-30K-80-FL-U	8000	70	114
PSLIM-8-1000-GRZ-35K-80-FL-U	8000	67	119
PSLIM-8-1000-GRZ-40K-80-FL-U	8000	66	121
PSLIM-8-1000-GRZ-50K-80-FL-U	8000	65	123

Luminance Data (cd/sg.m)			
Angle in Degrees	Average 0-DEG	Average 45-Deg	Average 90-Deg
45	38	2291	33450
55	0	157	25592
65	0	127	18410
75	0	130	12293
85	0	205	7380

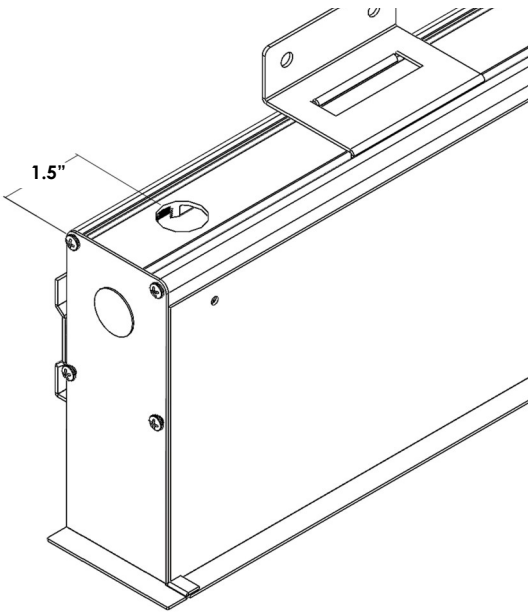
Candela Distribution					
	0	22.5	45	67.5	90
0	3174	3174	3174	3174	3174
5	2277	2181	2355	2680	3106
10	1525	1510	1728	2239	3037
15	1114	1121	1322	1847	2934
20	773	806	1035	1524	2793
25	482	521	783	1264	2607
30	300	334	547	1049	2380
35	137	179	364	860	2106
40	22	54	227	682	1803
45	2	5	102	511	1496
50	0	3	18	355	1200
55	0	3	6	226	928
60	0	2	4	111	694
65	0	2	3	21	492
70	0	1	3	6	328
75	0	1	2	4	201
80	0	0	2	3	106
85	0	0	1	2	41
90	0	0	0	0	0

PERIMETER SLIM BEAM

POWER LOCATION & WIRING DIAGRAMS

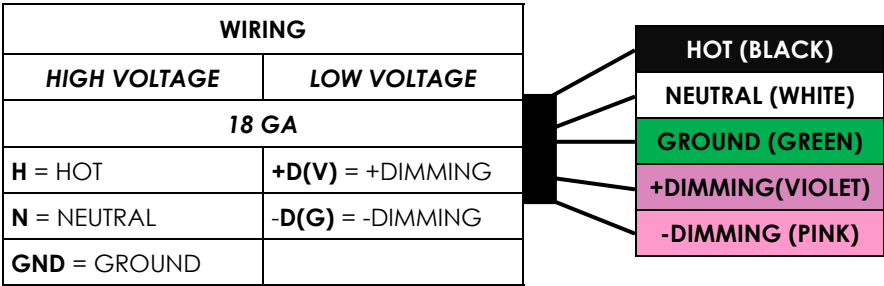
POWER LOCATION

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

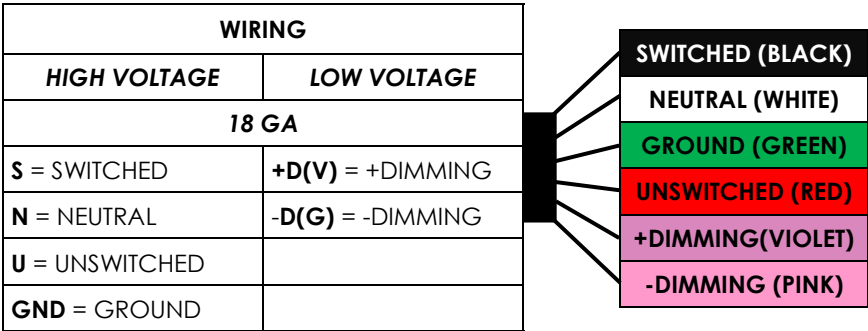


WIRING DIAGRAMS

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



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



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

PERIMETER SLIM BEAM

SPECIFICATIONS

Housing

Nominal 2.0" 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

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

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

Certification

Intertek cETLus Listed. RoHS (Restriction of Hazardous Substances) and Buy American Act compliant.

Environment

Suitable for dry and damp locations.

Operating temp.: -40°C to +45°C

Dimming Driver

eldoLED OPTOTRONIC (OTi) series of LED drivers allow tunable output currents to maximize efficiency. UL Class 2 recognized. 0-10v interface can be dimmed down to true 1% dimming. Included 2.5Kw ring and wave overcurrent protection. OTi drivers boast <20% THD, >.9 power factor and 87% efficiency at max load.

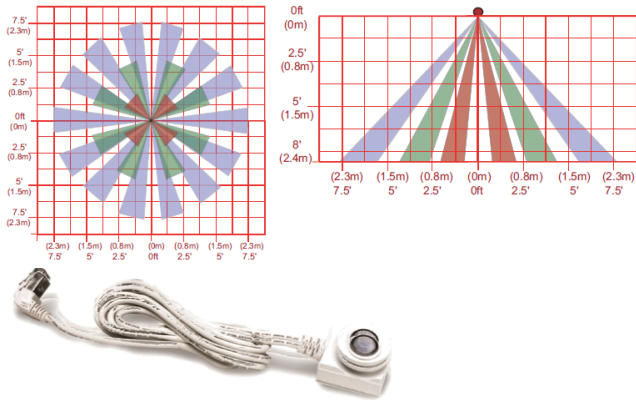
Packaging

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

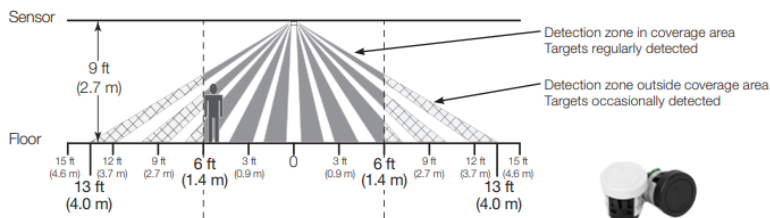
CONTROL

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).



Wireless Node



WARRANTY

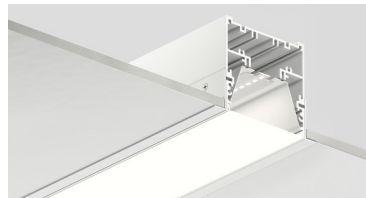
5-year limited warranty. Complete warranty terms can be located at:

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

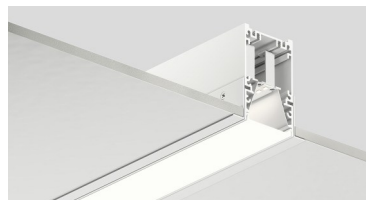
Note: Actual performance may differ as a result of installation environment and final application. All values are design or typical values, measured under laboratory conditions, at 25°C (77°F).

COMPANION PRODUCTS

Recessed Beam



Recessed Slim Beam



Perimeter Beam

