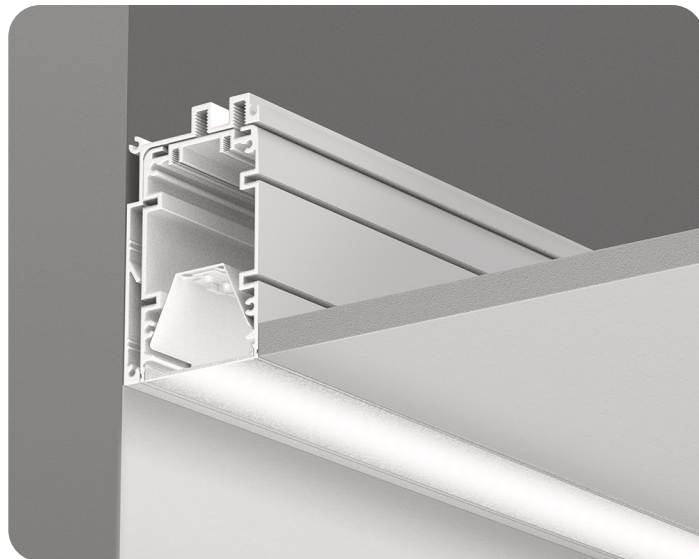


Slim Beam Perimeter

Key Features

- Extruded aluminum single piece housing
- Continuous lensing standard – runs up to 100'
- Suitable for retrofit and new construction
- 1/16" fixture and run lengths increments
- Field Fit available for wall-to-wall applications
- Soft diffuse direct lighting
- 0-10V dimming to 1% is standard
- Efficacy up to 116 lm/W



Specifications

Construction

- Continuous extruded 6063 T5 aluminum

Dimensions

- Nominal dimensions: 2.0" 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 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
- All within 3 MacAdam ellipses
- 90 CRI (R9 50 min) available

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 recognized and allows for tunable output currents.
- Output current: 0-10V, dim to 1%
- Overcurrent protection: 2.5KV ring and 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

PSLIM-20(FF3)-750-SD-40K-80-PW-TR-FL-U-1C-1EMB10

Series	Length	Direct Output ³	Direct Distribution	CCT	CRI
PSLIM					
	Linear Run	250 - 250 LPF	SD - SatinIce Diffuse	27K - 2700K	80 - 80 CRI
	XX - Run Length	500 - 500 LPF	GRZ - Wall Graze	30K - 3000K	90 - 90 CRI (R9 50 min)
	XX(FF3) - Run Length w/ Field Fit (+/- 3")	750 - 750 LPF	ARF - Asymmetric Room Fill	35K - 3500K	
	XX(FF6) - Run Length w/ Field Fit (+/- 6")	1000 - 1000 LPF		40K - 4000K	
	Corners^{1,2}	XXX - Custom LPF		50K - 5000K	
	_X_L - L-Shape			TW - Tunable White⁴ (2700K-6500K)	
	_X_X_U - U-Shape				
	_X_RECT - Rectangle				

Finish ⁵	Mounting		Shielding	Voltage	Circuiting
Standard Powder Coat	T-Grid	Cosmetic Bezel⁶	FL - Flush	U - 120-277V	1C - Single Circuit
PW - White	TBX - 9/16" Grid 15/16" Grid 9/16" Screw Slotted Grid 15/16" Prelude	CB - Screw/Rod Mount	R2.5 - 2.5" Regress	C - 347V	MC - Multiple Circuits^{7,8}
PB - Black		Spackle Flange	R4.0 - 4.0" Regress		DL - Daylight Control^{7,9}
Premium	TEG9 - 9/16" Grid (Tegular Tile)	SF - Screw/Rod Mount			NL - Night Lights^{7,10}
RALXXXX - Powder Coat Gloss Finish	TEG15 - 15/16" Grid (Tegular Tile)	Trimless			
Custom Powder Coat	TBO - T-Bar Other (Specify T-Bar Type)	TR - Screw/Rod Mount			
PO - Powder Other					

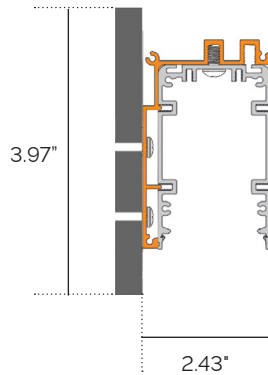
Emergency	Options	
BLANK - None	Specialty Drivers¹⁶	Sensors
EC - Emergency Circuit¹¹	DT1 - eldoLED EcoDrive Dim to 1% (0-10V)	DMXX% - Daylight/Motion Sensor (XX%-% Min. Dimming)
#EMB6 - 6W EM Battery^{12,13}	DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)	NLA - Acuity nLight Air¹⁹
#EMB10 - 10W EM Battery^{12,13}	PSRD - Philips Sensor Ready (DALI) Driver	NLW - Acuity nLight Wired¹⁹
#FCEMB10 - 10W EM Battery^{12,14}	LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	WVL - Cooper Wavelinx¹⁹
#FCEMB14 - 14W EM Battery^{12,14}	TW-A - Tunable White, 0-10V¹⁷	Other
#GTD - Generator Transfer Device w/ ALCR¹⁵	TW-EL - eldoLED DUALdrive Tunable White (DALI)¹⁷	CP - Chicago Plenum (CCEA)
	LD2 - Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming¹⁸	CFW - Conduit Flex Whip
	HD-XX - HyperDrive Remote Driver¹⁹	

Ordering Notes

- 'X'=inside corner. Replace 'X' with 'O' to designate outside corner. Example: 18o9L=18" by 9"L with outside corner.
- Add 'FF3' or 'FF6' after each length for Field Fit +/-3" or +/-6". Example: 15(FF3)-15" with +/-3" Field Fit.
- 200 LPF min. output / 1500 LPF max. output.
- Tunable White Driver must be specified in options.
- See page 3 for standard options.
- Bezel color will match fixture color unless otherwise specified, consult factory for options.
- Customer to specify number of zones and locations through factory submittal drawings.
- Multiple low and line control zones.
- Multiple low voltage control zones for daylight control.
- Multiple unswitched wires for night light control zones.
- '#' indicates number per run.
- Provided by Iota/Bodine.
- EM battery is factory choice.
- Separate power, transfer devices provided by others.
- Iota EDS-DR Emergency Control Device
- Standard driver is 0-10V, dim to 1% output current.
- 75 Watt Max. Dual driver required for higher fixture wattage.
- 50 Watt Max. Dual driver required for higher fixture wattage.
- Consult factory.

 Drawing Required With Order Submission. See Page 13.

Dimensions



Finishes

Standard



PW: White



PB: Black

Diffusing



FL
Flush

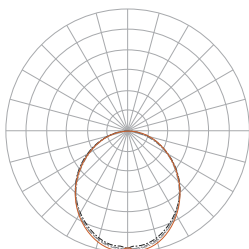


R2.5
2.5" Regress

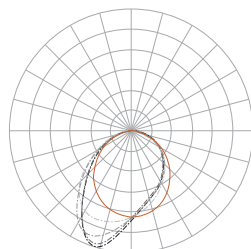


R4.0
4.0" Regress

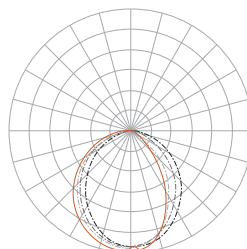
Distribution



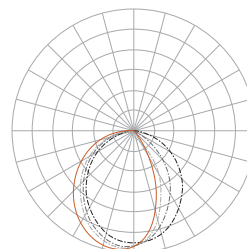
Lens: SatinIce Diffuse (SD)
Shielding: Flush (FL)



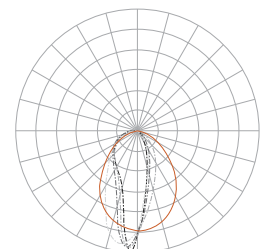
Lens: Asymmetric
Room Fill (ARF)
Shielding: Flush (FL)



Lens: SatinIce Diffuse (SD)
Shielding: 2.5" Regress (R2.5)



Lens: SatinIce Diffuse (SD)
Shielding: 4.0" Regress (R4.0)

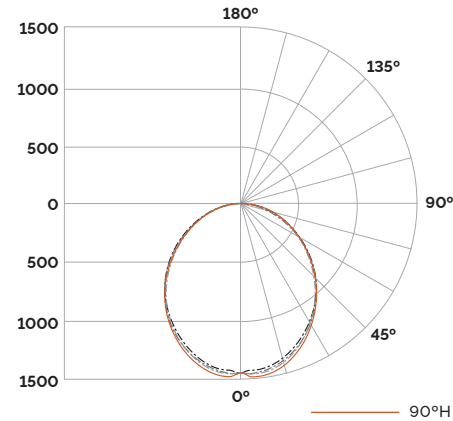


Lens: Wall Graze (GRZ)
Shielding: Flush (FL)



Performance

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



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	20263	20348	20911
55	19216	19044	19624
65	18022	17464	18022
75	15702	15250	15766
85	12391	11355	11912

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

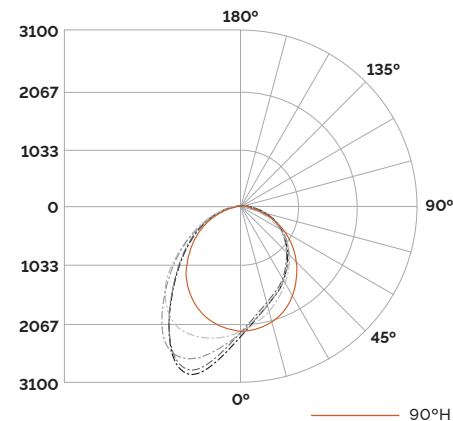
Zonal Lumen Summary

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%

Candela Table

Vertical Angle	Horizontal Angle				
	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-ARF-FL (80+ CRI)



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	18038	17413	21193
55	16136	15713	18517
65	13792	13752	15536
75	10792	11031	12016
85	5683	6378	7449

CCT	Lumens	Wattage	LPW
3000K	4000	45	89
	8000	87	92
3500K	4000	42	95
	8000	82	98
4000K	4000	41	97
	8000	80	100
5000K	4000	40	99
	8000	78	102

Zonal Lumen Summary

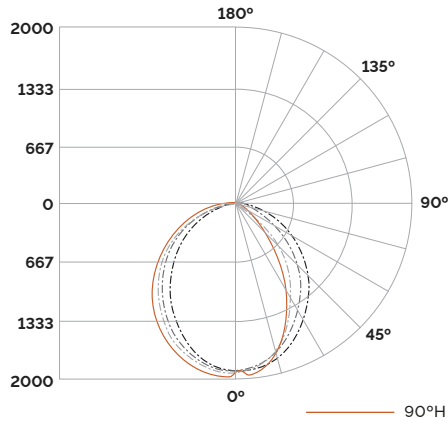
Zone	Lumens	% Luminaire
0-30	1,324.8	33.1%
0-40	2,079.7	52%
0-60	3,350.7	83.8%
60-90	649.5	16.2%
70-100	256.1	6.4%
90-120	0	0%
0-90	4,000.1	100%
90-180	0	0%
0-180	4,000.1	100%

Candela Table

Vertical Angle	Horizontal Angle				
	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

Performance

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



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	0	2819	21401
55	0	0	20118
65	0	0	18154
75	0	0	14578
85	0	0	7291

CCT	Lumens	Wattage	LPW
3000K	4000	42	95
	8000	81	99
3500K	4000	39	102
	8000	75	106
4000K	4000	38	104
	8000	74	108
5000K	4000	37	106
	8000	73	110

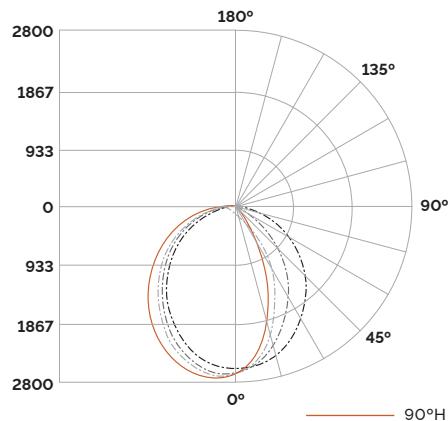
Zonal Lumen Summary

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%

Candela Table

Vertical Angle	Horizontal Angle				
	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)



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	0	0	24038
55	0	0	22074
65	0	0	19198
75	0	0	14311
85	0	0	4375

CCT	Lumens	Wattage	LPW
3000K	4000	46	86
	8000	89	89
3500K	4000	43	92
	8000	84	95
4000K	4000	42	94
	8000	82	97
5000K	4000	40	96
	8000	81	99

Zonal Lumen Summary

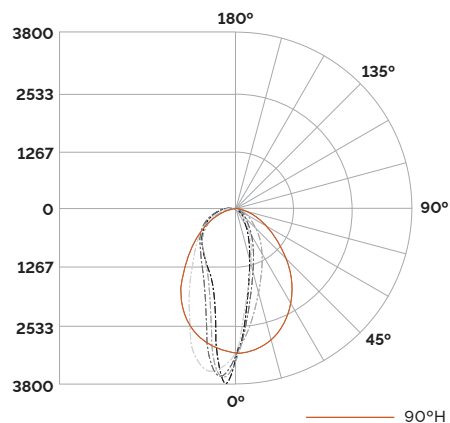
Zone	Lumens	% Luminaire
0-30	1200.7	30%
0-40	1842.9	46%
0-60	2977.4	74.4%
60-90	868.1	21.7%
70-100	529.7	13.2%
90-120	152.2	3.8%
0-90	3845.5	96%
90-180	158.9	4%
0-180	4004.4	100%

Candela Table

Vertical Angle	Horizontal Angle				
	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

Performance

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



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	38	2291	33450
55	0	157	25592
65	0	127	18410
75	0	130	12293
85	0	205	7380

CCT	Lumens	Wattage	LPW
3000K	4000	37	108
	8000	70	114
3500K	4000	67	119
	8000	65	122
4000K	4000	34	118
	8000	66	121
5000K	4000	34	118
	8000	65	123

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%

Candela Table

Vertical Angle	Horizontal Angle				
	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

Row Configurations

XX (Run Length)

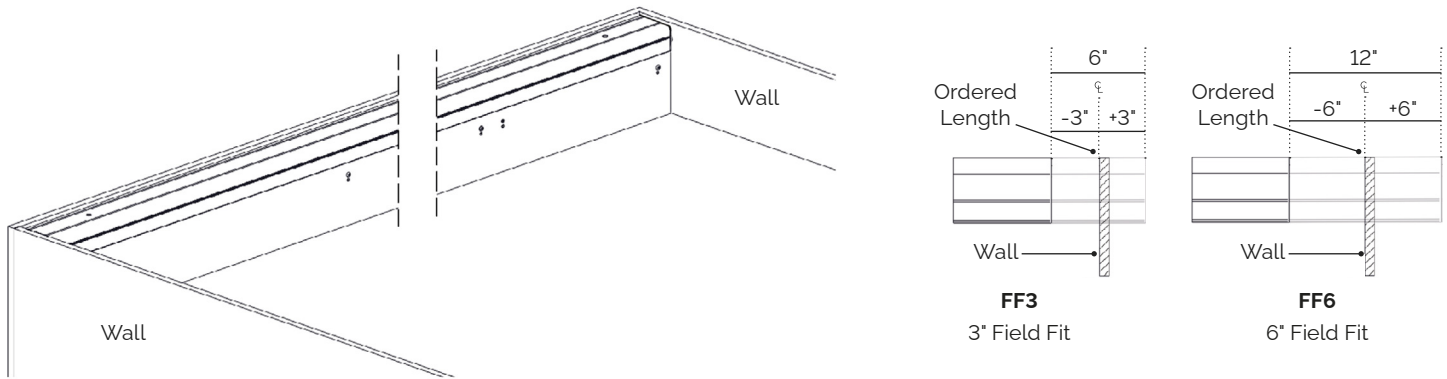
The standard construction of run lengths follows the logic of the table below. Consult factory for additional information. Run lengths always start with the longest fixture and receives the power feed.

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

XX(FF_) - Field Fit

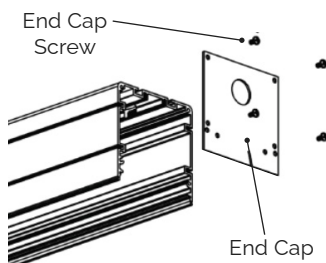
This option allows for flexibility in wall-to-wall recessed applications. When ordered, the total run length allows for $\pm 3.0"$ or $\pm 6.0"$. Housing must be cut in the field with a miter saw based on required dimensions.



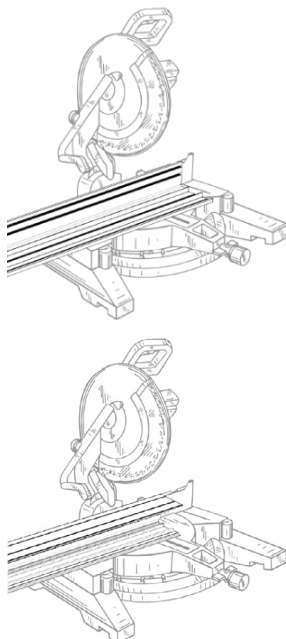
Field Fit Cutting Details

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

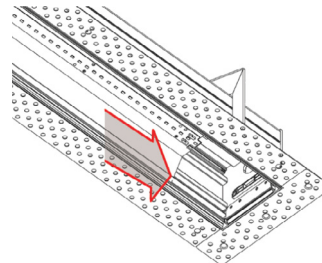
Step 1: Remove the end cap before cutting the back extrusion.



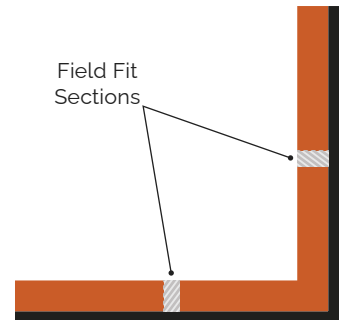
Step 2: Cut back extrusion and extruded wall bracket. Cut all trim accordingly.



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



Field Fit Sections

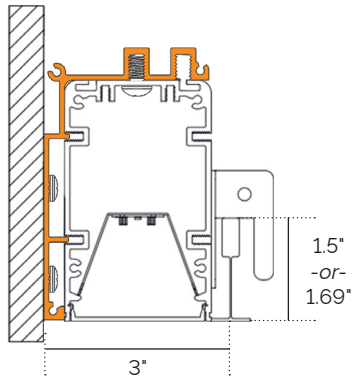


NOTE: Back housing recommended to fill extrusion with scrap wood for cleaner cut.

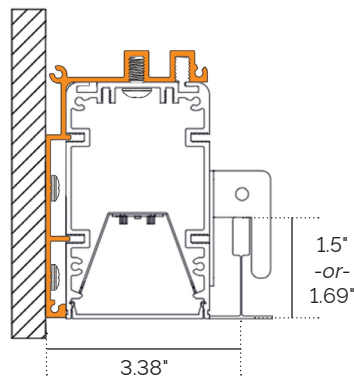


Mounting

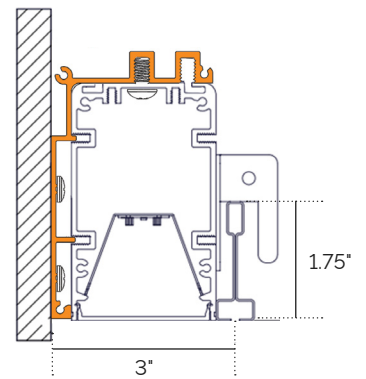
TBX (T-Grid)



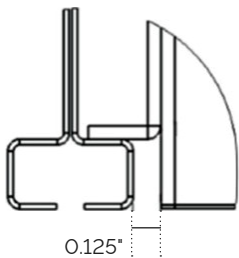
9/16" T-Bar
Flush / Tegular



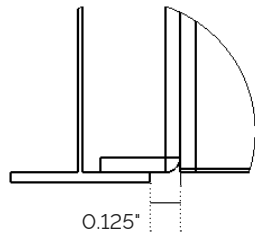
15/16" T-Bar
Flush / Tegular



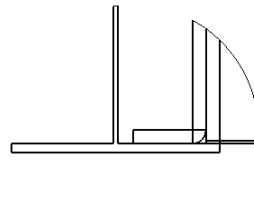
9/16" T-Bar
Bolt Slotted



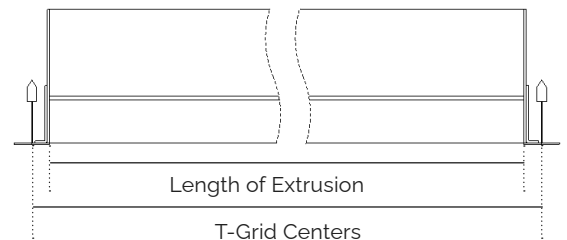
9/16" Screw Slot
Detailed View



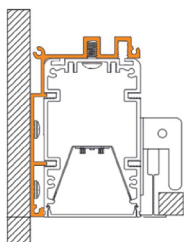
9/16" T-Bar
Detailed View



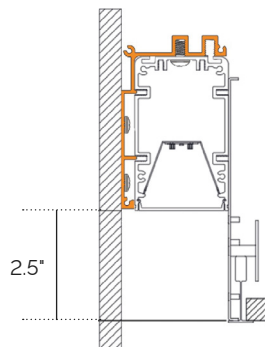
15/16" T-Bar
Detailed View



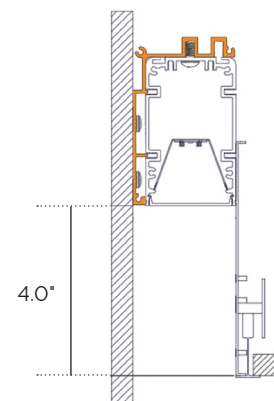
Shielding Details (TBX)



FL
Flush



R2.5
2.5" Regress

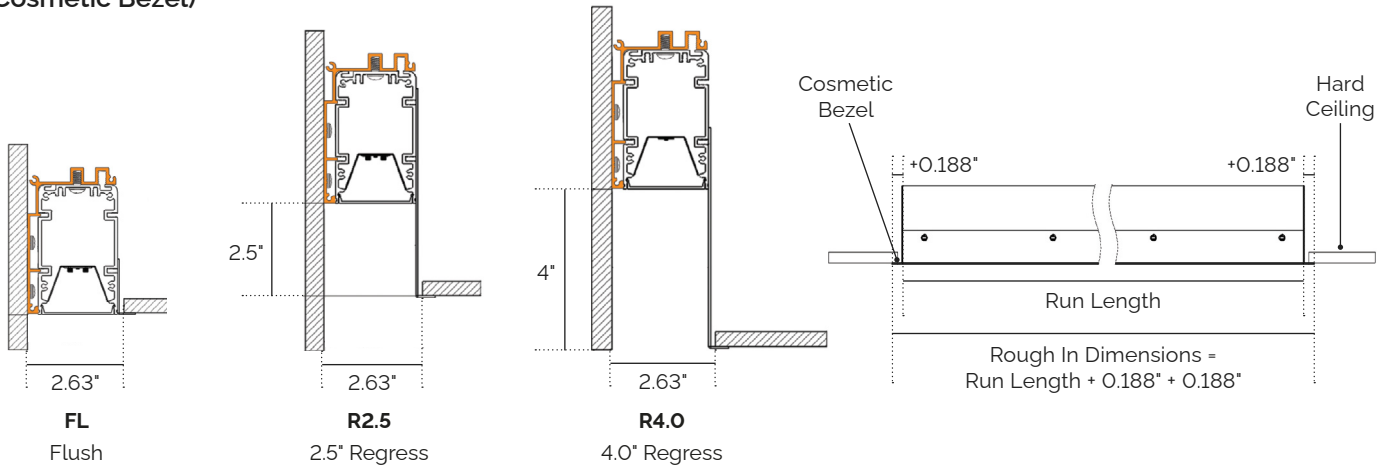


R4.0
4.0" Regress

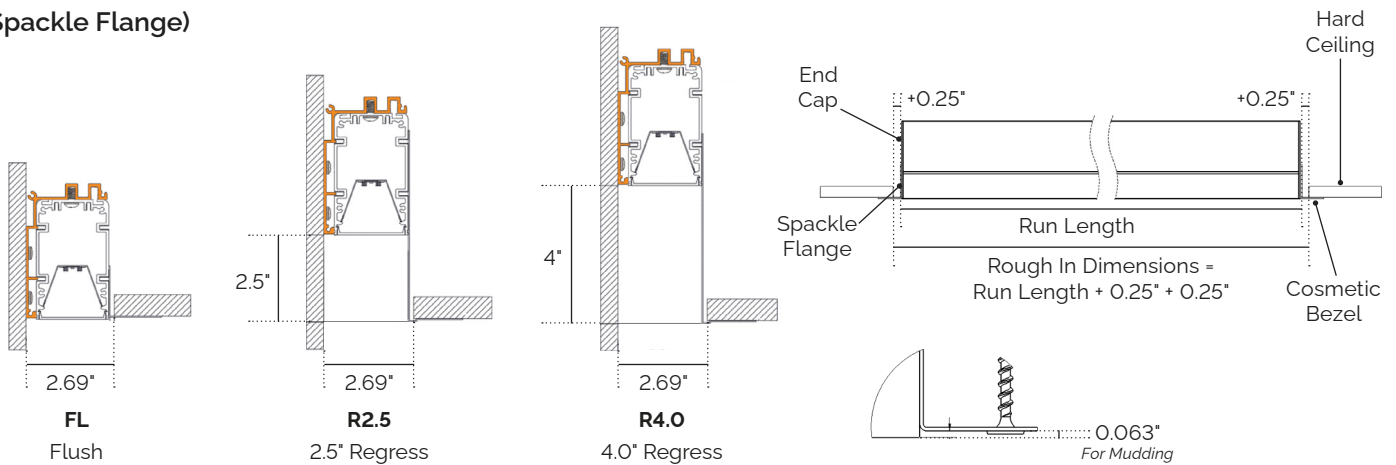


Mounting

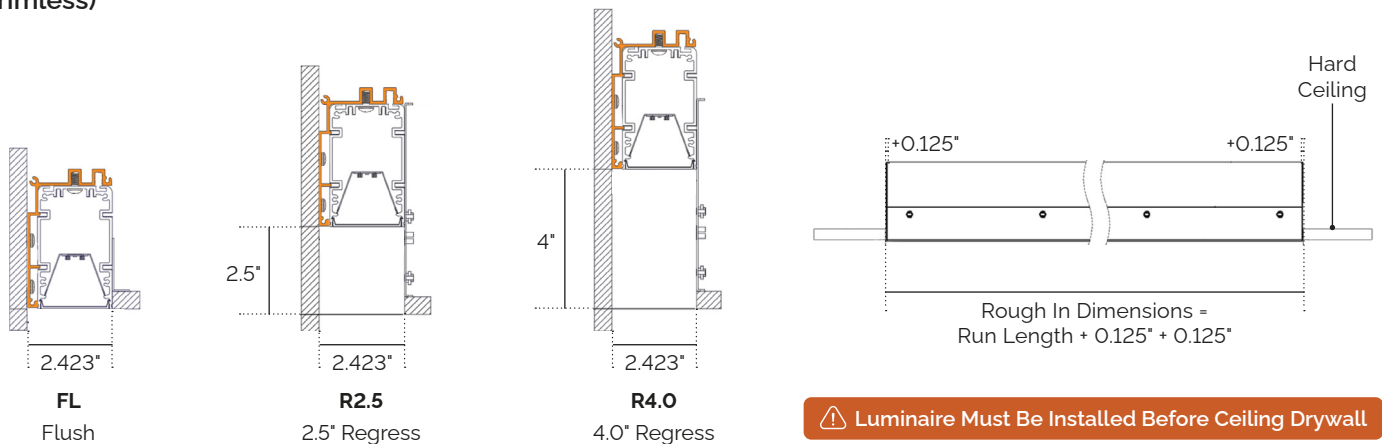
CB (Cosmetic Bezel)



SF (Spackle Flange)



TR (Trimless)

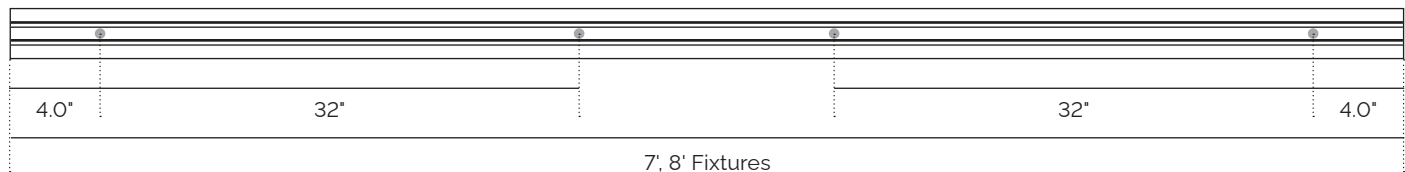
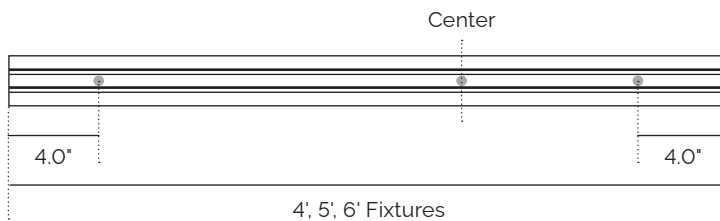
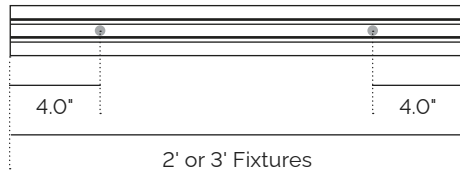


⚠ Luminaire Must Be Installed Before Ceiling Drywall

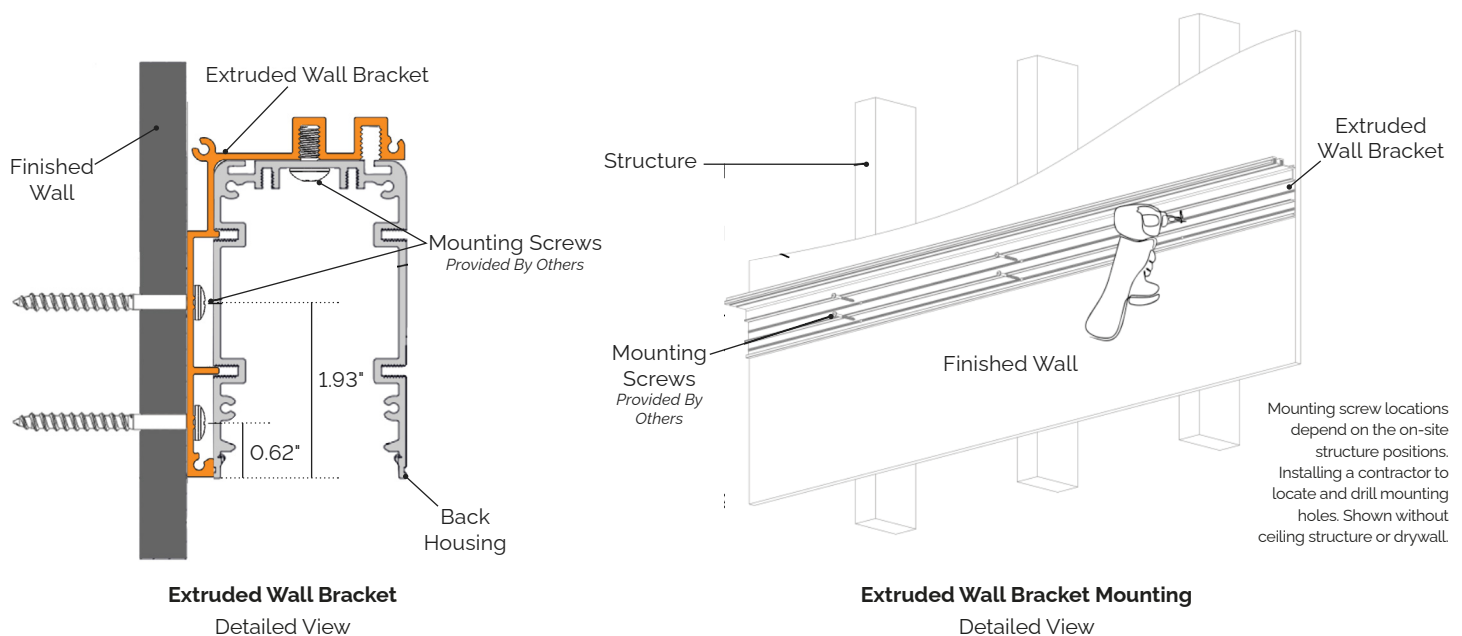


Mounting Locations

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.



Extruded Wall Bracket

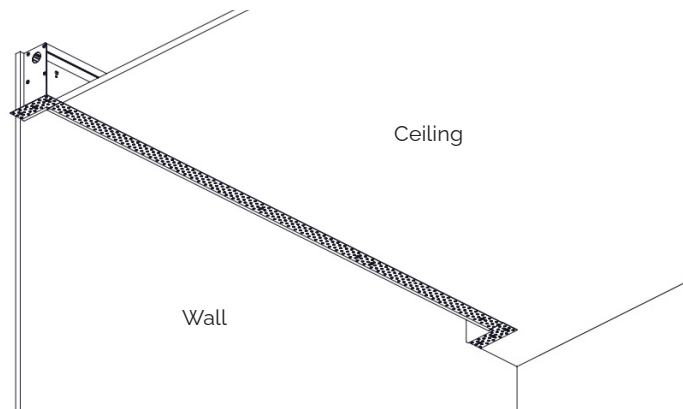


Fixed Run Length

Ordered fixture length is equal to the length of extrusion. The total fixture length is length of extrusion plus the end caps.

Example: 96" (ordered length) + 0.125" + 0.125" = 96.25" total length of assembled fixture.

NOTE: Not recommended for wall-to-wall applications.



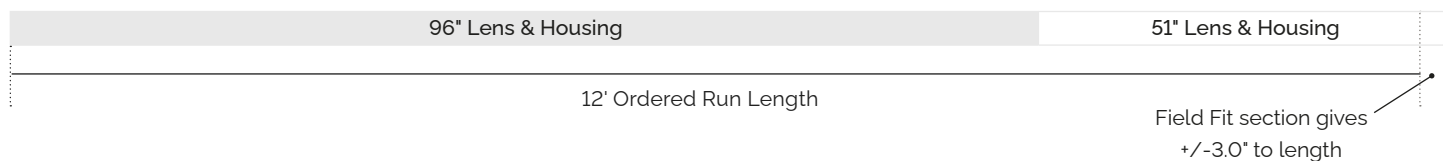
Example: 12' Fixed Run Fixture



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)



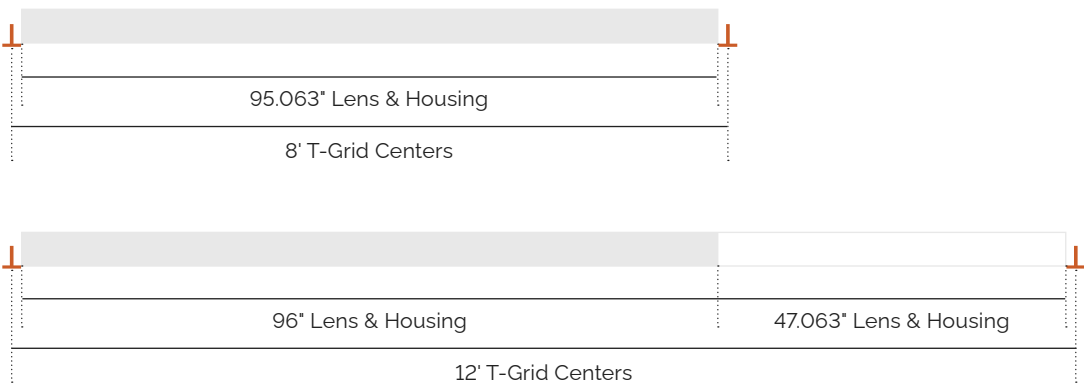
Example: 12' Field Fit Run (FF6)



Individual & Continuous Run (T-Grid)

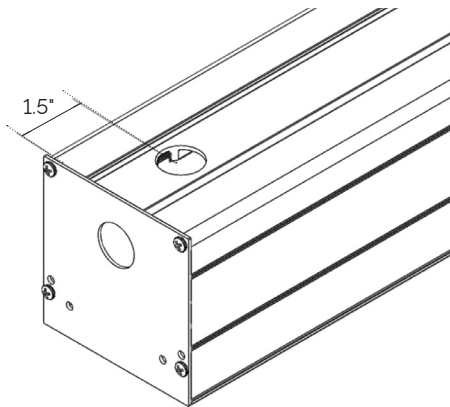
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 2). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. If a different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

Table with 3 columns: Wiring, High Voltage, Low Voltage. It lists standard wiring configurations including Hot (Black), Neutral (White), Ground (Green), and Dimming (Violet/Pink) for 18 GA and 2864 models.

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

Table with 3 columns: Wiring, High Voltage, Low Voltage. It lists wiring configurations for a fixture with an emergency battery, including Switched (Black), Neutral (White), Ground (Green), Unswitched (Red), and Dimming (Violet/Pink) for 18 GA and 2864 models.

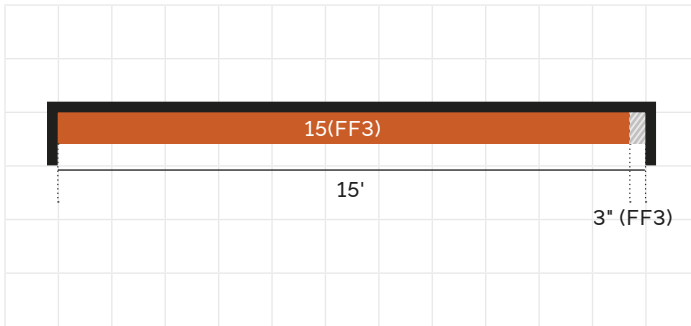
Submit With Order

Pattern Specification Guide

Complete the order matrix as required and provide a rough fixture layout using the grid below.

Submit this worksheet along with your order.

Example: PBEAM-15(FF3)



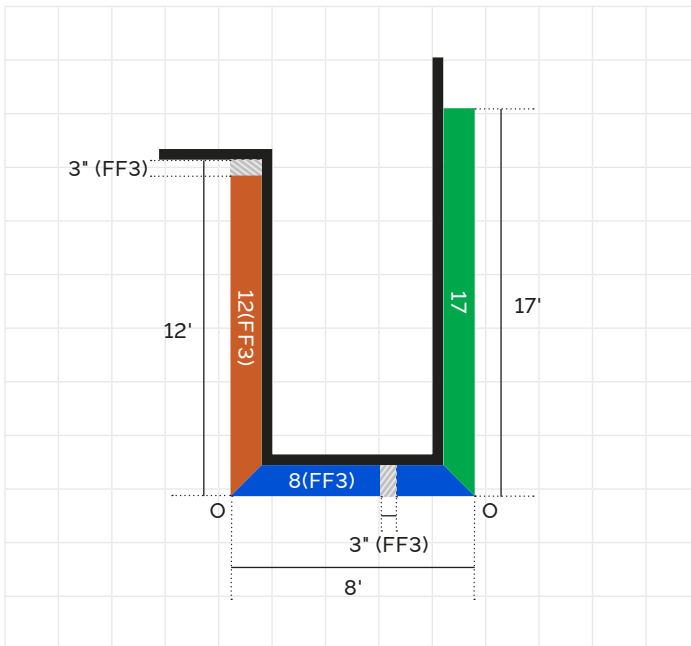
Example Key

- Wall
- +/- 3" Field Fit
- +/- 6" Field Fit

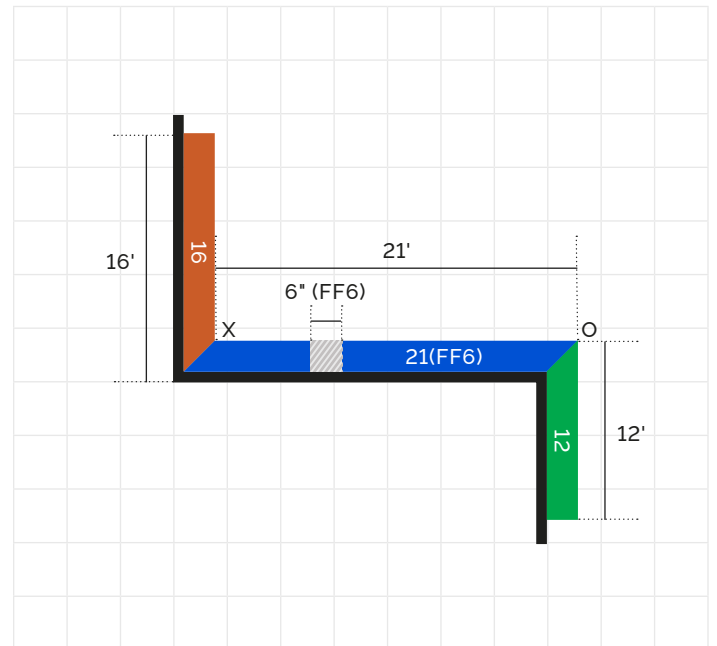
NOTE: Not all boxes need to be filled.

Fixture 1	Field Fit	Corner	Fixture 2	Field Fit	Corner	Fixture 3
15	FF3					
XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length
	FF6 - Field Fit (+/- 6")	O - Outside Corner		FF6 - Field Fit (+/- 6")	O - Outside Corner	

Example: PBEAM-12(FF3)-O-8(FF3)-O-17



Example: PBEAM-16-X-21(FF6)-O-12



NOTE: Not all boxes need to be filled.

Fixture 1	Field Fit	Corner	Fixture 2	Field Fit	Corner	Fixture 3
12	FF3	O	8	FF3	O	17
XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length
	FF6 - Field Fit (+/- 6")	O - Outside Corner		FF6 - Field Fit (+/- 6")	O - Outside Corner	

NOTE: Not all boxes need to be filled.

Fixture 1	Field Fit	Corner	Fixture 2	Field Fit	Corner	Fixture 3
16		X	21	FF6	O	12
XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length
	FF6 - Field Fit (+/- 6")	O - Outside Corner		FF6 - Field Fit (+/- 6")	O - Outside Corner	



Submit With Order

Pattern Specification Guide

NOTE: Not all boxes need to be filled.

Fixture 1	Field Fit	Corner	Fixture 2	Field Fit	Corner	Fixture 3	Field Fit	Corner	Fixture 4	Field Fit	Corner
XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner	XX - Run Length	FF3 - Field Fit (+/- 3")	X - Inside Corner
	FF6 - Field Fit (+/- 6")	O - Outside Corner		FF6 - Field Fit (+/- 6")	O - Outside Corner		FF6 - Field Fit (+/- 6")	O - Outside Corner		FF6 - Field Fit (+/- 6")	O - Outside Corner

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).

