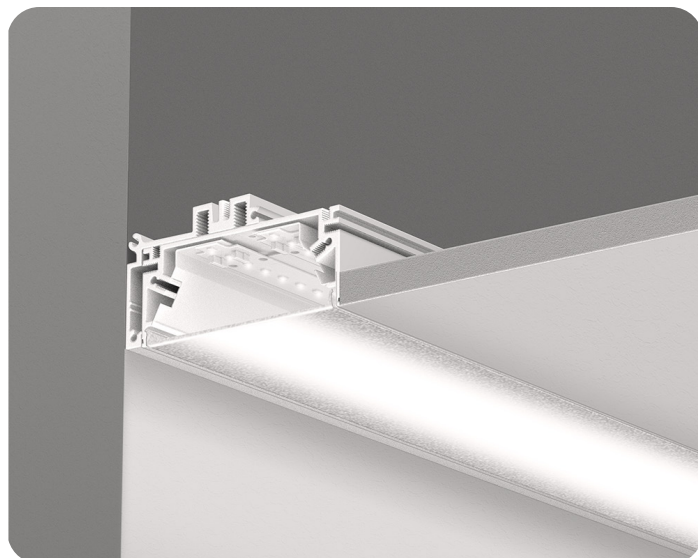


Shallow Beam Perimeter

Key Features

- Extruded aluminum single piece housing
- Continuous lensing standard – runs up to 100'
- 2', 4', 6' and 8' individual units or continuous rows
- Light levels can be factory set
- 0-10V dimming to 1% is standard
- 120-277V for power enclosure
- Three power choices of Hyper Drive remote power system



Specifications

Construction

- Continuous extruded 6063 T5 aluminum
- Mechanically attached end caps with no exposed fasteners enhance architectural aesthetic and prevent light leak.

Dimensions

- Nominal dimensions: 1.5" x 3.0"
- Nominal thickness: 0.060"

Finish

- Powder coated
- Colors: White, Black, Silver or Premium Finishes
- End Caps: Color-matched to housing
- 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 1/8" 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
- Soft diffuse direct lighting

Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 780 lm (6W) or up to 1300 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Dimming Driver

- (0-10V) dimming driver with programmable current for configurable fixture lumen outputs (UL listed, Class P)
- Overcurrent protection: 2.5KV
- Power factor: >0.90

Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- RoHS (Restriction of Hazardous Substances)
- 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

PSHAL-O4(FF3)-750-SD-35K-90-PW-TBX-1C-R1.5-TP-HD01

Series	Length	Direct Output ³	Direct Distribution	CCT	CRI
PSHAL			SD		
	Linear Run	250 - 250 LPF	SD - SatinIce Diffuse	27K - 2700K	80 - 80 CRI
	XX - Run Length	500 - 500 LPF		30K - 3000K	90 - 90 CRI (R9 50 min)
	XX(FF3) - Run Length w/ Field Fit (+/- 3")	750 - 750 LPF		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				
	_X_X_U - U-Shape				
	_X_RECT - Rectangle				

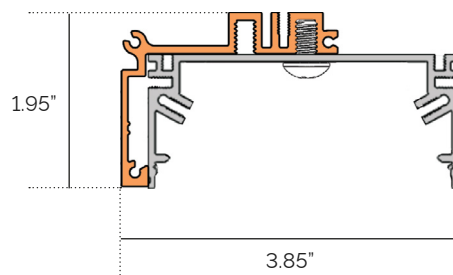
Finish ⁴	Mounting ⁵	Electrical	Shielding	Options	Hyper Drive Circuit ^{12,13}
Standard Powder Coat	T-Grid	1C - Single Circuit	FL - Flush	EX - EM Battery Designated Fixture^{5,9,10}	HDXX - Hyper Drive Circuit
PW - White	TBX - 9/16" Grid 15/16" Grid 9/16" Screw Slotted Grid 15/16" Grid (Tegular Tile)	MC - Multiple Circuit^{7,8}	R1.5 - 1.5" Regress	TP - Top Power¹²	
PB - Black	TEG15 - 15/16" Grid (Tegular Tile)				
Premium					
RALXXXX - Powder Coat Gloss Finish	Cosmetic Bezel⁶				
Custom Powder Coat	CB - Screw/Rod Mount				
PO - Powder Other	Spackle Flange				
	SF - Screw/Rod Mount				
	Trimless				
	TR - Screw/Rod Mount				

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.
- See page 5 for standard options.
- Must be ordered with Hyper Drive Remote Driver.
- 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.
- Specify quantity in 'X'. (ex: 3 batteries = 'E3')
- Not available with TP. Consult factory.
- Only available with TBX configuration.
- Not required with the Top Power (TP) configuration.
- See pages 3-4 for more information.

⚠ Drawing Required With Order Submission. See Page 14.

Dimensions



Hyper Drive Remote Power System

Ordering Logic

HYPD-L8-NB-PW-U-DTZ-HD01

Series	Size & Quantity ^{1, 2, 3}	Optional Emergency Battery ^{4, 5}	Finish	Voltage
HYPD				U
	SX - 190W Small (2 max.)	NB - No EM Battery	Standard Powder Coat	U - 120-277V
	MX - 300W Medium (4 max.)	#EMB6 - 6W EM Battery (Provided by IOTA/Bodine)	PW - White	
	LX - 600W Large (8 max.)	#EMB10 - 10W EM Battery (Provided by IOTA/Bodine)	PB - Black	
		#FCEMB10 - 10W EM Battery (Factory Choice)	Premium	
			RALXXXX - Powder Coat Gloss Finish	

Options	Hyper Drive Circuit
Specialty Drivers^{6, 7} 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, 0-10V TW-EL - eldoLED DUALdrive Tunable White (DALI)	Sensors Consult factory Others CP - Chicago Plenum (CCEA) RTS - Remote Test Switch for Battery
	HDXX - Hyper Drive Circuit

Ordering Notes

1. Replace 'X' with driver quantity.
2. One driver is required per direct only fixture (8' maximum length).
3. Consult factory for custom configurations and drivers not listed.
4. Replace '#' with battery quantity.

5. Each emergency battery reduces the driver quantity of the Hyper Drive.
6. Standard driver is 0-10V, dim to 1% output current.
7. Consult factory for additional driver options.

Limitations

Reference chart for recommended maximum lengths of low voltage cable ran from Hyper Drive to fixture.

Wire Gauge (AWG)	18G	35'
	16G	60'
	14G	100'
	12G	150'

Configurations

M4 Configuration (Shown without front cover)

Each driver is provided with a terminal block on both input and output side for ease of wiring and installation.



L8 Configuration (Shown with front cover)

Each driver is provided with a terminal block on both input and output side for ease of wiring and installation.

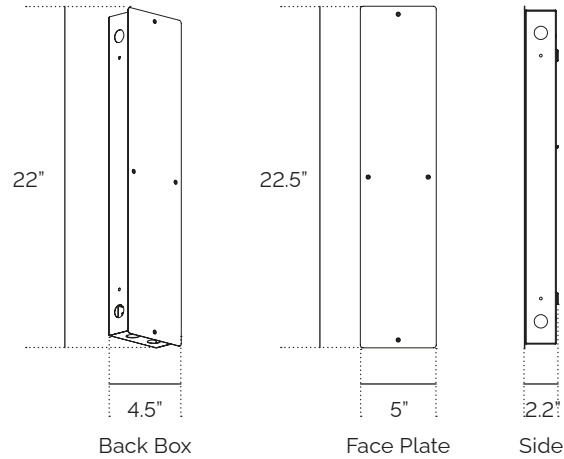


Hyper Drive Remote Power System

SX (Small Hyper Drive Remote Canopy)

190W / 2 Drivers Max.

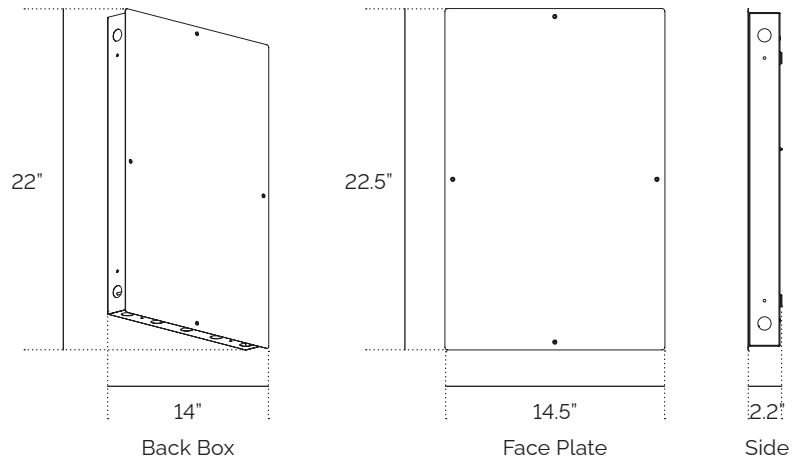
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 2 (190W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x6)
Battery	Available



MX (Medium Hyper Drive Remote Canopy)

300W / 4 Drivers Max.

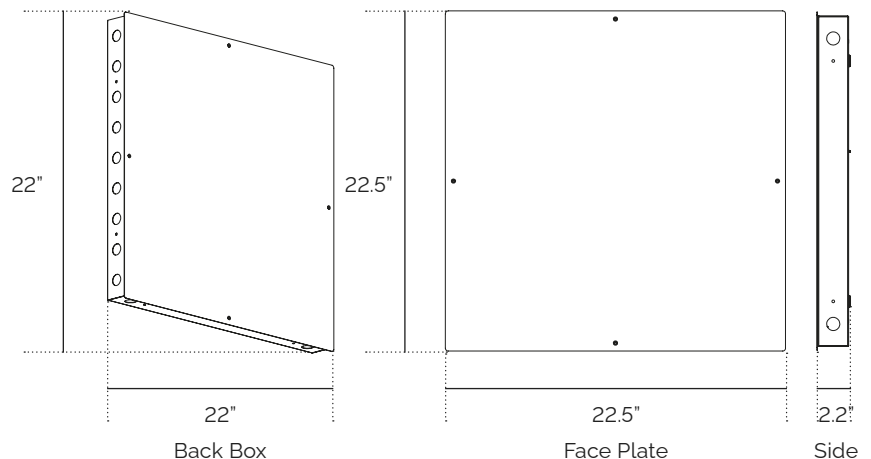
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 4 (300W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x12)
Battery	Available



LX (Large Hyper Drive Remote Canopy)

600W / 8 Drivers Max.

Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 8 (600W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x20)
Battery	Available

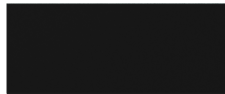


Finishes

Standard

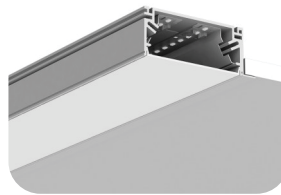


PW: White

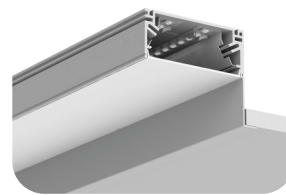


PB: Black

Shielding

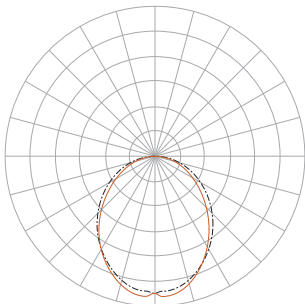


FL
Flush



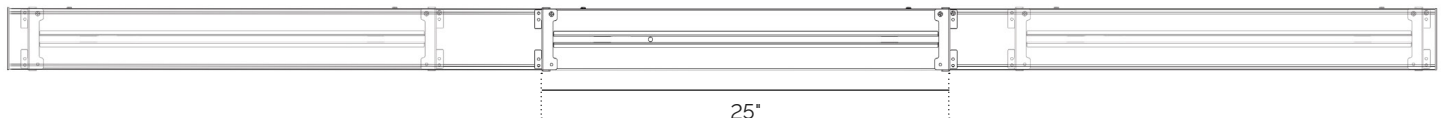
R1.5
1.5" Regress

Distribution

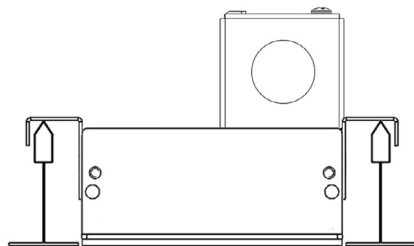


Direct: SatinIce Diffuse (SD)

Top Power



25"

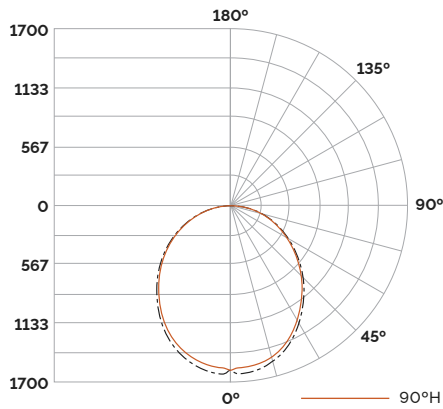


TP

NOTE: Top mounted driver box can be mounted anywhere along the length of the fixture. Can fit applications where plenum space is tight in some areas but more open in others.

Performance

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



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	38908	37508	36548
55	37012	35568	34838
65	34443	32866	31959
75	31102	29125	26942
85	27230	23857	19189

CCT	Length	Lumens	Wattage	LPW
2700K	4'	4000	45	88
	8'	8000	86	92
3000K	4'	4000	43	93
	8'	8000	82	97
3500K	4'	4000	40	98
	8'	8000	78	102
4000K	4'	4000	40	100
	8'	8000	76	104
5000K	4'	4000	39	101
	8'	8000	76	105

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1227.4	28.3%
0-40	1984.3	45.8%
0-60	3435.2	79.3%
60-90	898.1	20.7%
70-100	382.5	8.8%
90-120	0	0%
0-90	4333.3	100%
90-180	0	0%
0-180	4333.3	100%

Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1615	1615	1615	1615	1615
5	1649	1617	1598	1589	1595
10	1626	1592	1573	1561	1565
15	1584	1549	1529	1515	1518
20	1524	1486	1470	1452	1453
25	1448	1413	1398	1377	1375
30	1361	1325	1312	1290	1285
35	1261	1227	1217	1194	1187
40	1152	1121	1113	1092	1086
45	1039	1008	1001	984	976
50	920	892	886	871	865
55	801	777	770	760	754
60	677	655	647	640	634
65	550	532	524	517	510
70	425	411	402	393	385
75	304	294	285	274	263
80	190	184	176	164	155
85	90	83	78	69	63
90	0	0	0	0	0

Continue to Next Page

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.

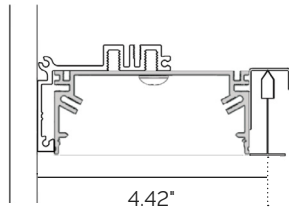
NOTE: Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

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

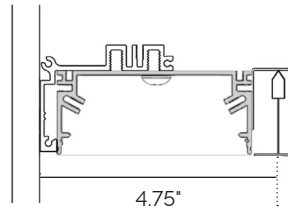
Mounting

TBX (T-Bar / T-Grid)

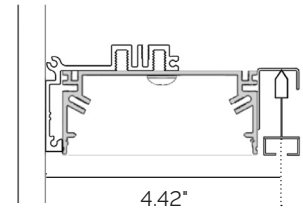
Requires Hyper Drive



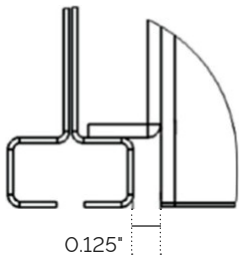
9/16" T-Bar
Flush / Tegalur



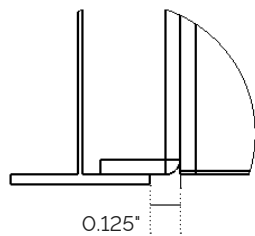
15/16" T-Bar
Flush / Tegalur



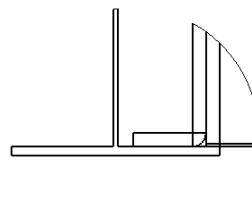
9/16" T-Bar
Bolt Slotted



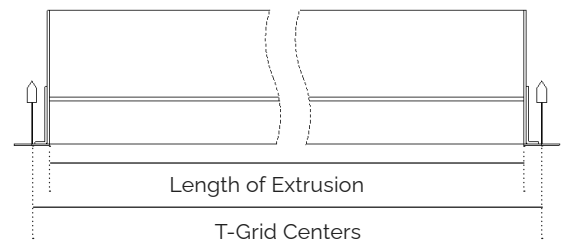
9/16" Screw Slot
Detailed View



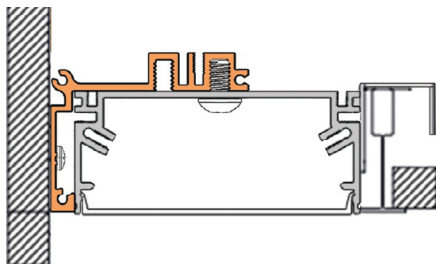
9/16" T-Bar
Detailed View



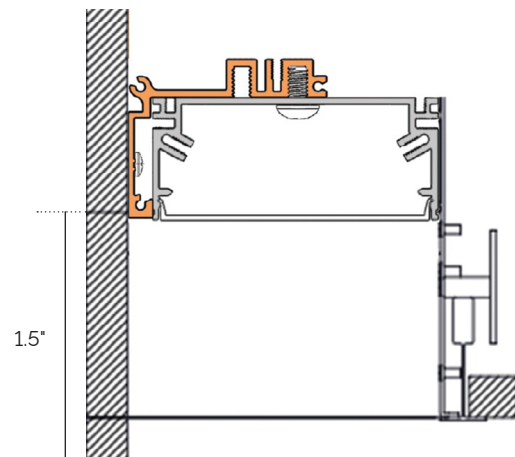
15/16" T-Bar
Detailed View



Shielding Details (TBX)



Flush
Flush



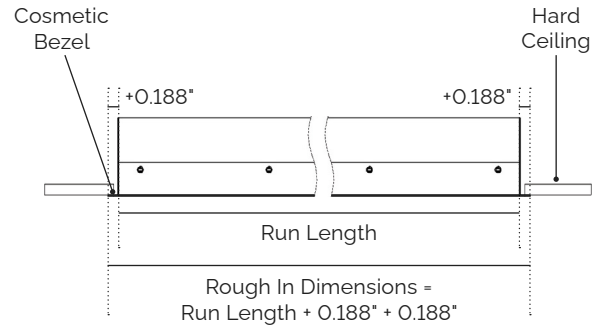
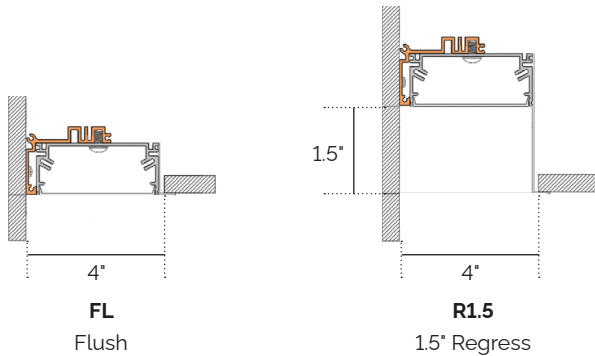
R1.5
1.5" Regress



Mounting

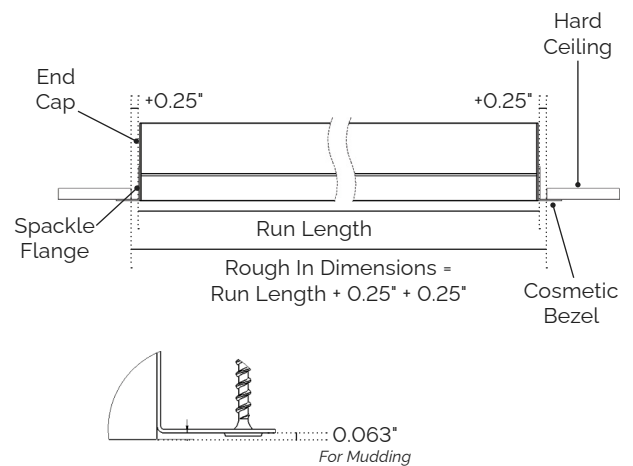
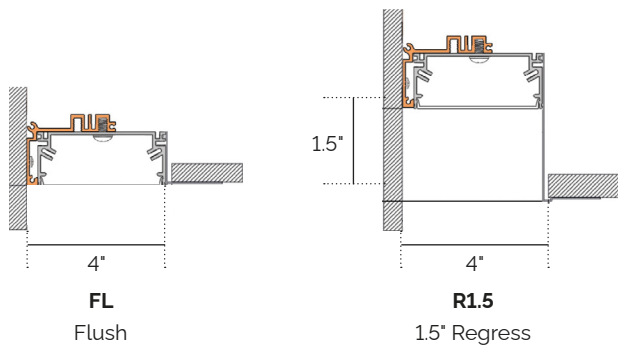
CB (Cosmetic Bezel)

Requires Hyper Drive



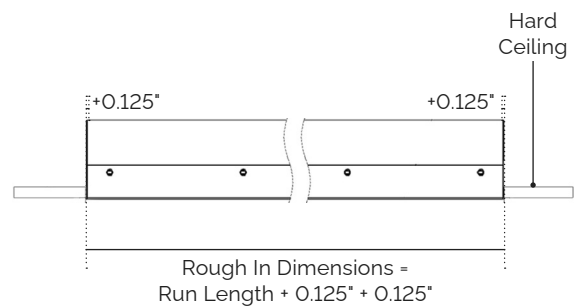
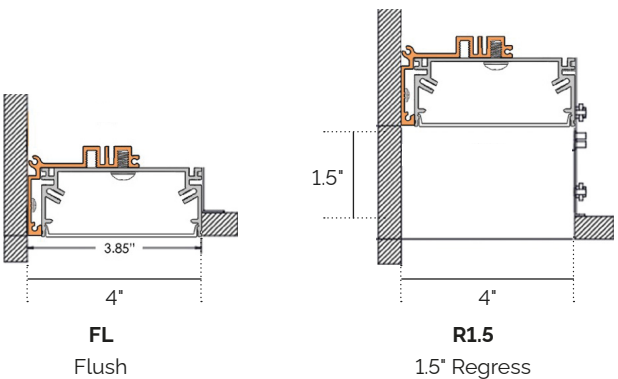
SF (Spackle Flange)

Requires Hyper Drive



TR (Trimless)

Requires Hyper Drive



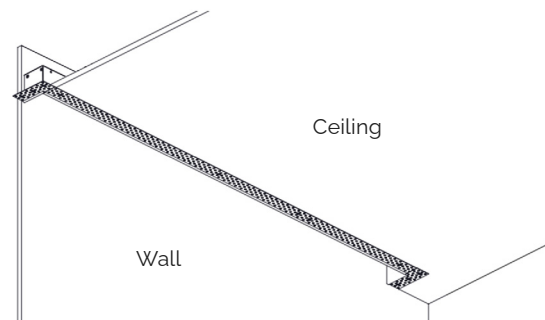
⚠ Luminaire Must Be Installed Before Ceiling Drywall

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: $96" \text{ (ordered length)} + 0.125" + 0.125" = 96.25" \text{ total length of assembled fixture.}$

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



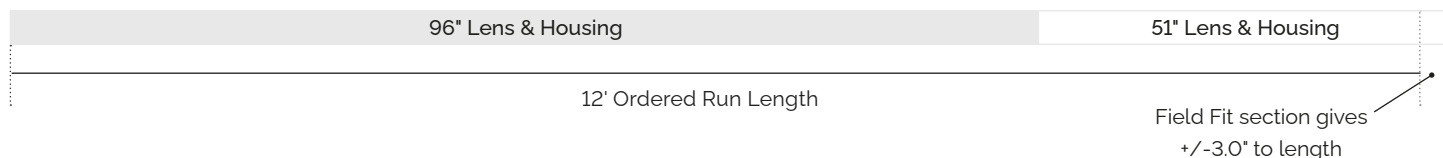
Example: 12' Fixed Run Fixture



FF (Field Fit)

Field Fit is $\pm 3.0"$, or $\pm 6.0"$. The end fixture can be cut back to match onsite requirements.

Example: 12' Field Fit Run (FF3)



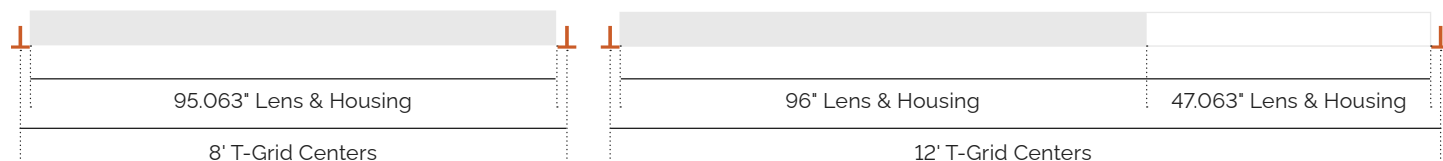
Example: 12' Field Fit Run (FF6)



Individual & Continuous Run (T-Grid)

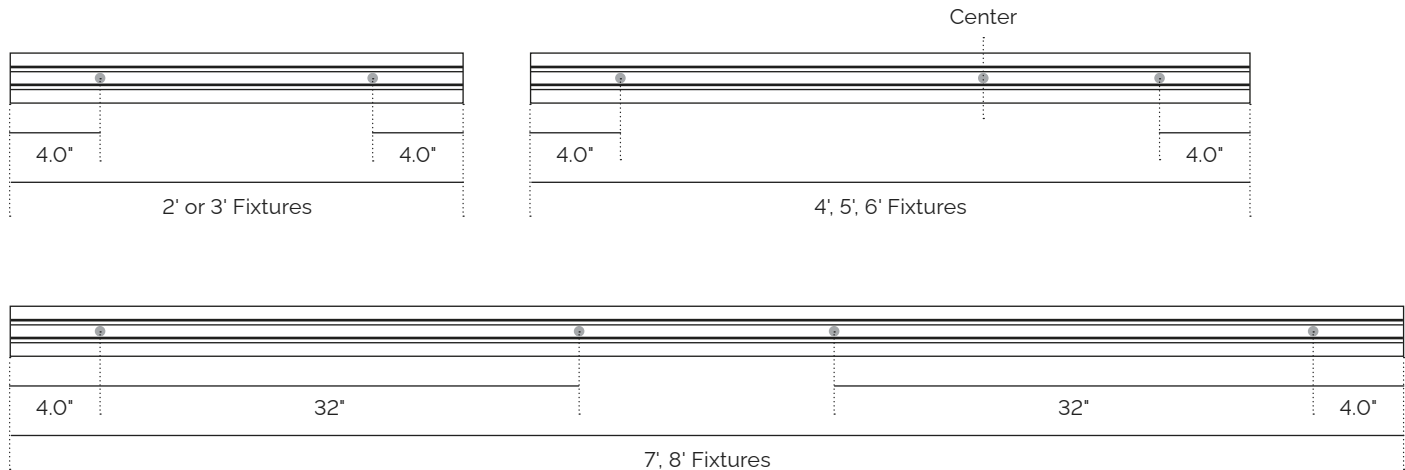
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 2). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. If a different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

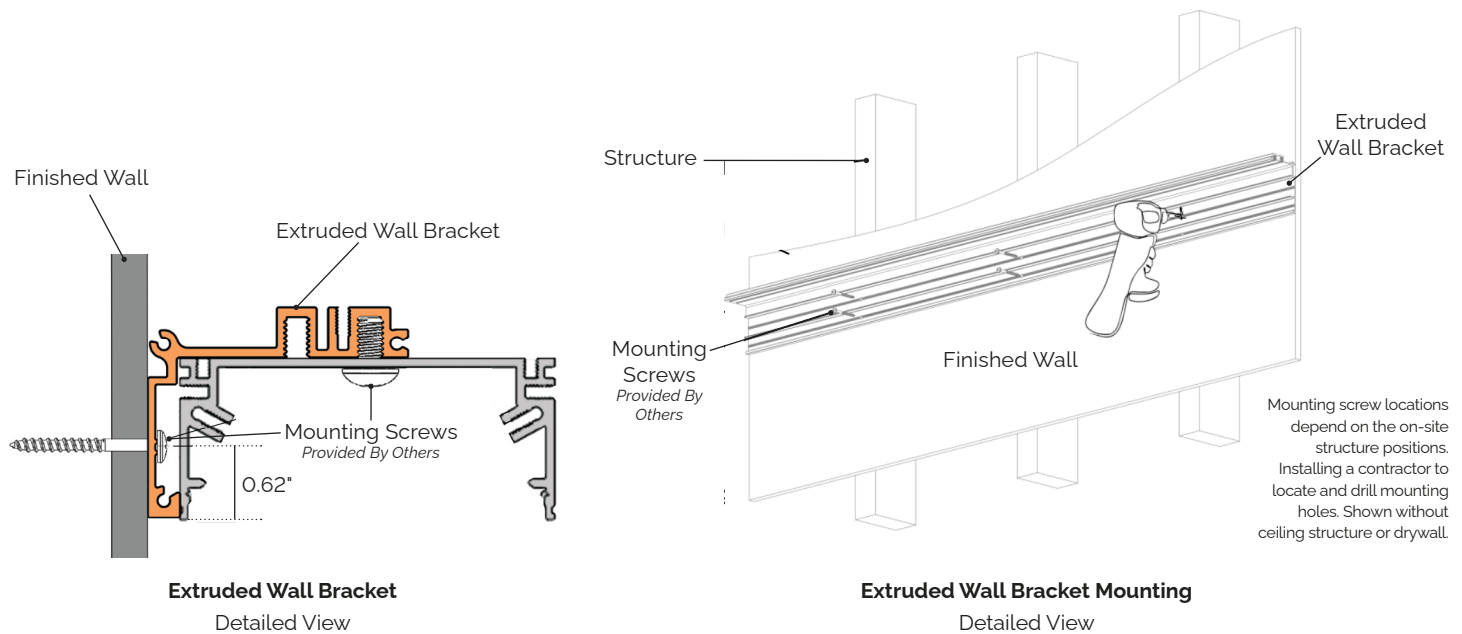


Mounting Locations

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.

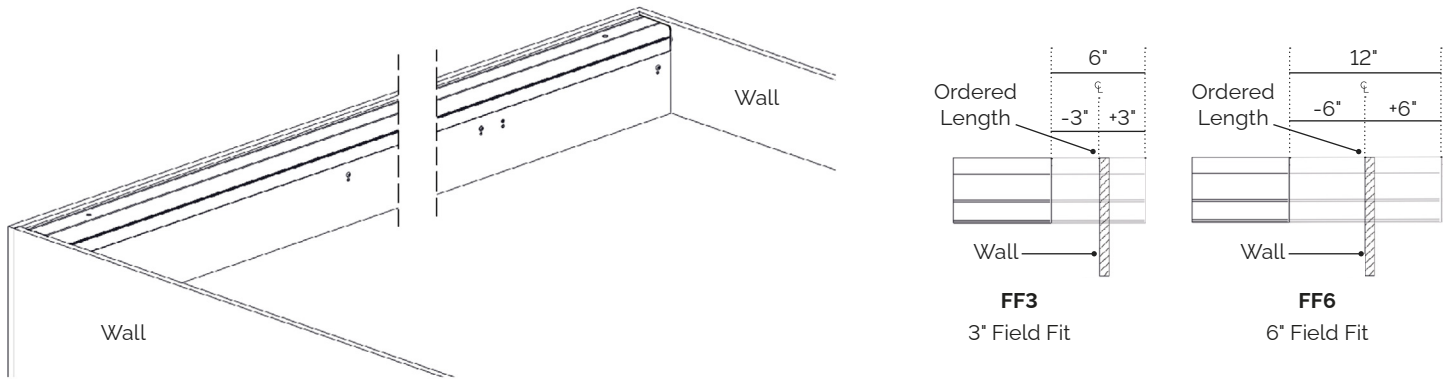


Extruded Wall Bracket



XX(FF_) - Field Fit

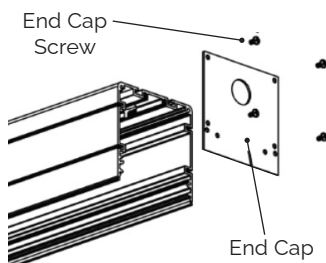
This option allows for flexibility in wall-to-wall recessed applications. When ordered, the total run length allows for $\pm 3.0"$ or $\pm 6.0"$. Housing must be cut in the field with a miter saw based on required dimensions.



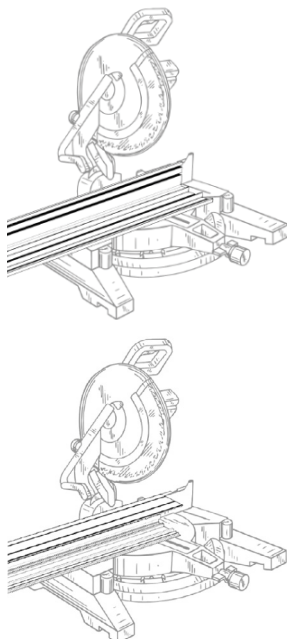
Field Fit Cutting Details

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.

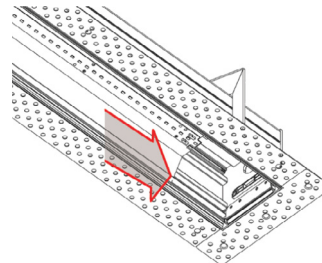
Step 1: Remove the end cap before cutting the back extrusion.



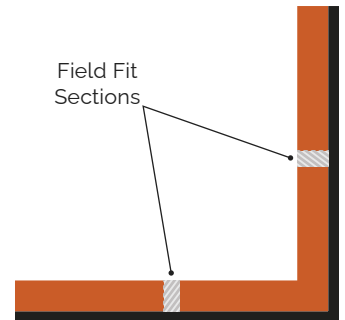
Step 2: Cut back extrusion and extruded wall bracket. Cut all trim accordingly.



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.

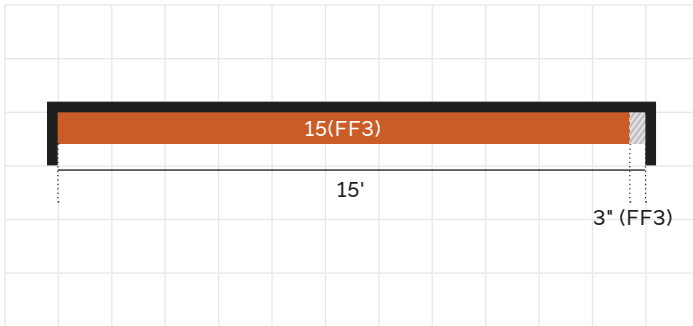
Submit With Order

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: PSHAL-15(FF3)



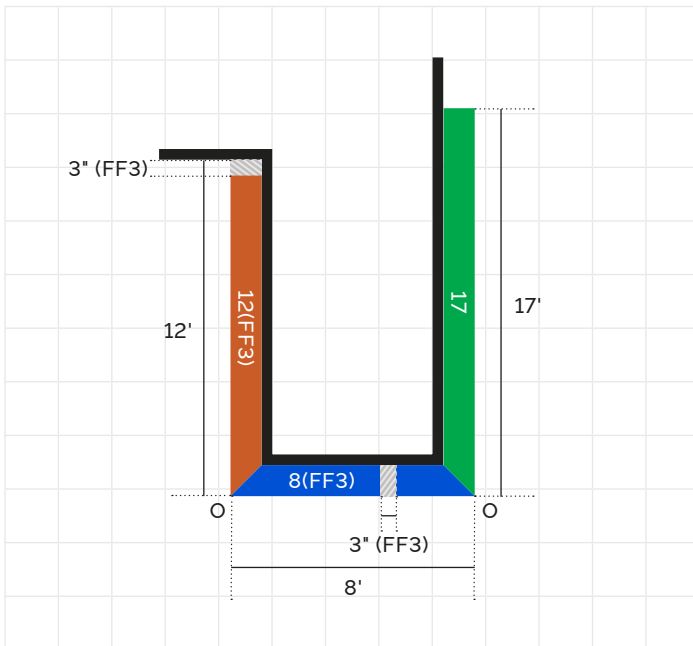
Example Key

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

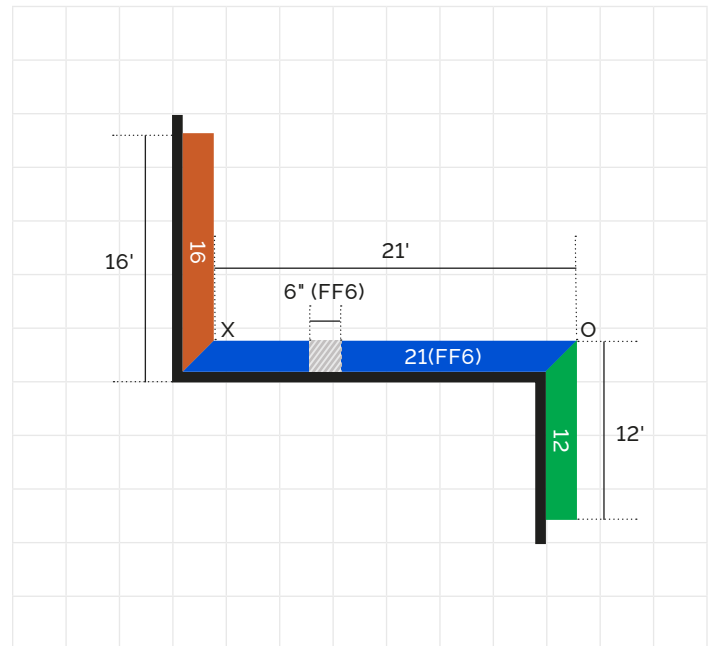
NOTE: Not all boxes need to be filled.

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: PSHAL-12(FF3)-O-8(FF3)-O-17



Example: PSHAL-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

Submit With Order

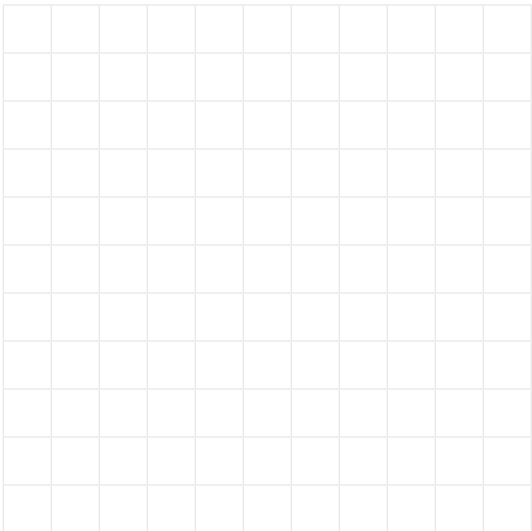
Bill of Materials Guide

How to use: Fill out the worksheet to specify your requirements for your configurations.
Be sure to call out battery and sensor locations.
Refer to the run chart for standard run configurations on linear lengths. Consult factory for custom configurations.
Use the order guide to create your BOM for you configuration.
Submit this worksheet along with your order.

Order Guide

Qty.	Type	

Configuration



NOTE: Low voltage power transfer wire between fixture and Hyper Drive Remote Power System provided by others.

Example

Qty.	Type	
3	PSHAL-08-750-SD-35K-90-PW-TBX-HD01	
2	PSHAL-06-750-SD-35K-90-PW-TBX-HD01	
1	PSHAL-02-750-SD-35K-90-PW-TBX-HD01	
1	PSHAL-10-750-SD-35K-90-PW-TBX-HD01	
1	PSHAL-06-750-SD-35K-90-PW-TBX-E1-HD02	
1	PSHAL-10-750-SD-35K-90-PW-TBX-HD02	
1	HYPD-L8-NB-R-PW-DTZ-HD01	
1	HYPD-M3-1EMB6-R-PW-DTZ-HD02	

Example Configuration

