

Micro Flat Shape Suspended Direct

Key Features

- Extruded aluminum single piece housing
- Continuous lensing standard – runs up to 100'
- Soft diffuse direct lighting
- Toolless height adjustment at the ceiling
- 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 0.57"

Finish

- Powder coated
- Colors: White or Black
- End Caps: Color-matched to housing

Luminaire Length

- Standard individual lengths: 2', 4', 6' or 8'
- Using internal joiners, sections can be joined to form longer, continuous rows.

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 (Integral) 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

MFLAT-4X6RECT-750-SD-35K-80-PW-CSW-HD01

Series	Length ¹	Direct Output ²	Direct Distribution	CCT	CRI
MFLAT					
	_X_RECT - Rectangle	250 - 250 LPF	SD - SatinIce Diffuse	27K - 2700K	80 - 80 CRI
	_X_L - L-Shape	500 - 500 LPF	Drop Lens w/ Lit Ends³	30K - 3000K	90 - 90 CRI (R9 50 min)
	_X_X_U - U-Shape	750 - 750 LPF	DLE025 - 0.25" Satin Diffuse	35K - 3500K	
		1000 - 1000 LPF		40K - 4000K	
		XXX - Custom LPF		50K - 5000K	

Finish ⁴	Mounting	Circuiting	Emergency	Remote Option ¹⁰
Standard Powder Coat	Powered Canopy⁵	T-Grid⁶	1C - Single Circuit	BLANK - None
PW - White	PCW - Powered Canopy White	TB1 - 9/16" Grid	MC - Multiple Circuits ^{7,8}	EC - Emergency Circuit ⁹
PB - Black	PCB - Powered Canopy Black	TB2 - 15/16" Grid		
Premium	Canopy Recessed⁶	TB3 - 9/16" Tegular		
RALXXXX - Powder Coat Gloss Finish	CRW - Canopy Recessed White	TB4 - 15/16" Tegular		
	CRB - Canopy Recessed Black	Stem w/ Canopy Kits⁶		
	Canopy T-Grid⁶	STEMWXX - XX" White Stem		
	CTW - Canopy T-Grid White	STEMBXX - XX" Black Stem		
	CTB - Canopy T-Grid Black			
	Canopy Surface⁶			
	CSW - Canopy Surface White			
	CSB - Canopy Surface Black			

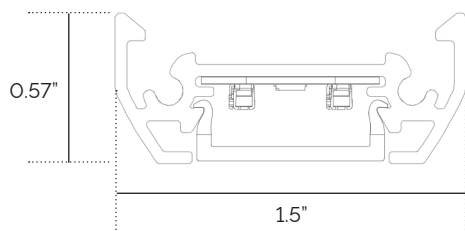
Hyper Drive Circuit^{11,12}

HDXX - Hyper Drive Circuit

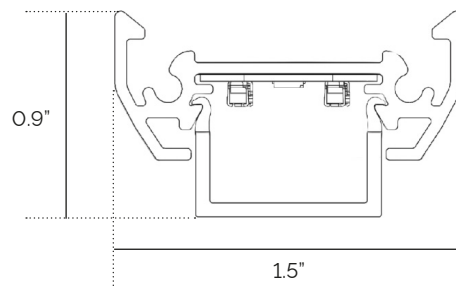
Ordering Notes

1. Replace underscore (_) with fixture leg length. See page 10.
2. 200 LPF min. output / 1500 LPF max. output.
3. Seamless continuous lens unavailable for Drop Lens options.
4. See page 5 for standard options.
5. 120-277V driver included. 50W max. dual driver required.
6. **Must be ordered with Hyper Drive Remote Driver.**
7. Customer to specify number of zones and locations through factory submittal drawings.
8. Multiple low and line control zones.
9. Separate power, transfer devices provided by others.
10. Specify quantity in 'X'. (ex: 3 batteries = 'E3')
11. Not required with the Powered Canopy mounting.
12. See pages 3-4 for more information.

Dimensions



SD
Satin Diffuse



DLO25
Satin Diffuse with 0.25 Drop Lens

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}	HDXX - Hyper Drive Circuit
DT1 - eldoLED EcoDrive Dim to 1% (0-10V)	Sensors
DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)	Consult factory
PSRD - Philips Sensor Ready (DALI) Driver	Others
LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	CP - Chicago Plenum (CCEA)
TW-A - Tunable White, 0-10V	RTS - Remote Test Switch for Battery
TW-EL - eldoLED DUALdrive Tunable White (DALI)	

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.

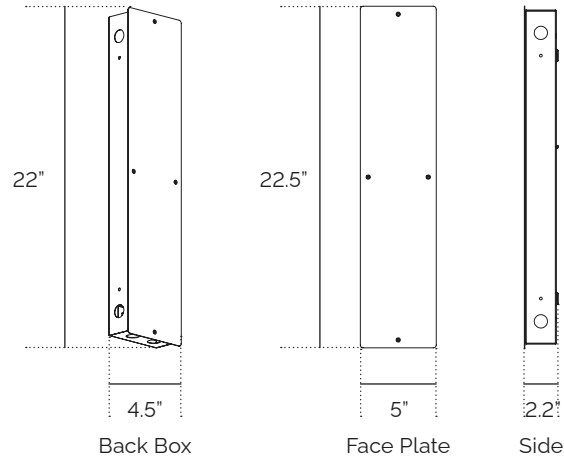


Hyper Drive Remote Power System

SX (Small Hyper Drive Remote Canopy)

190W / 2 Drivers Max.

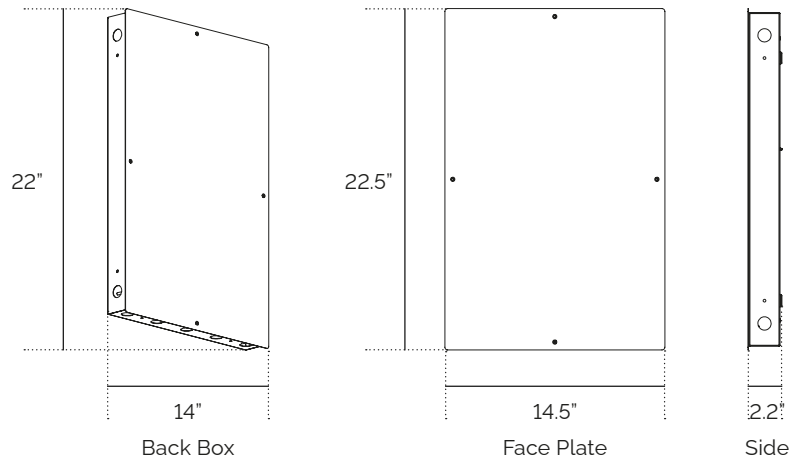
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 2 (190W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x6)
Battery	Available



MX (Medium Hyper Drive Remote Canopy)

300W / 4 Drivers Max.

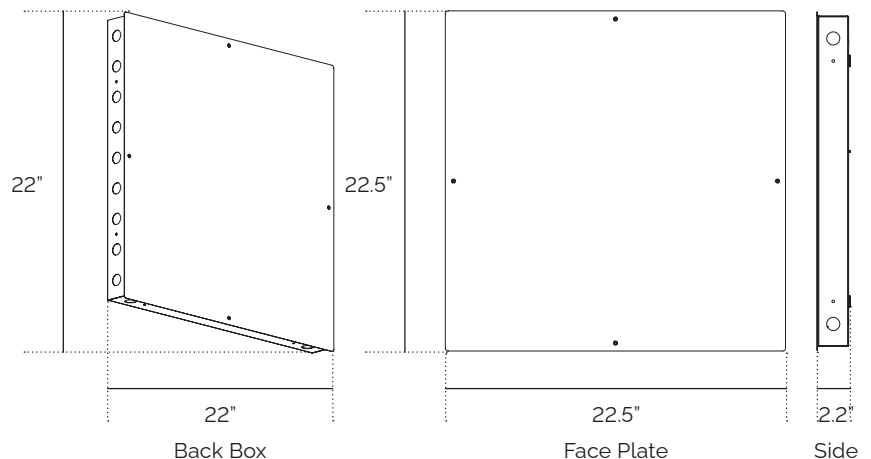
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 4 (300W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x12)
Battery	Available



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



Lumen Packages

Length	Lumens	Input Wattage	LPW
4'	4000	34	118
8'	8000	65	123

NOTE: Based on 3500K CCT. Other CCT available.

Finishes

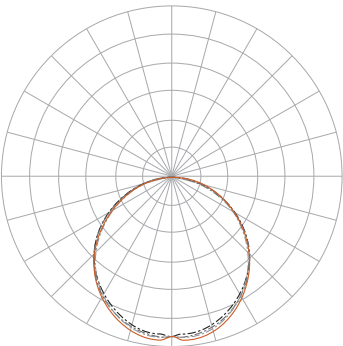
Standard



PW: White

PB: Black

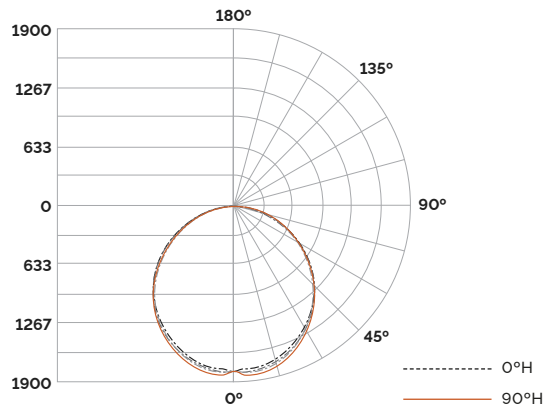
Distribution



Direct: SatinIce Diffuse (SD)

Performance

MFLAT-4-1000-SD-35K (80+ CRI)

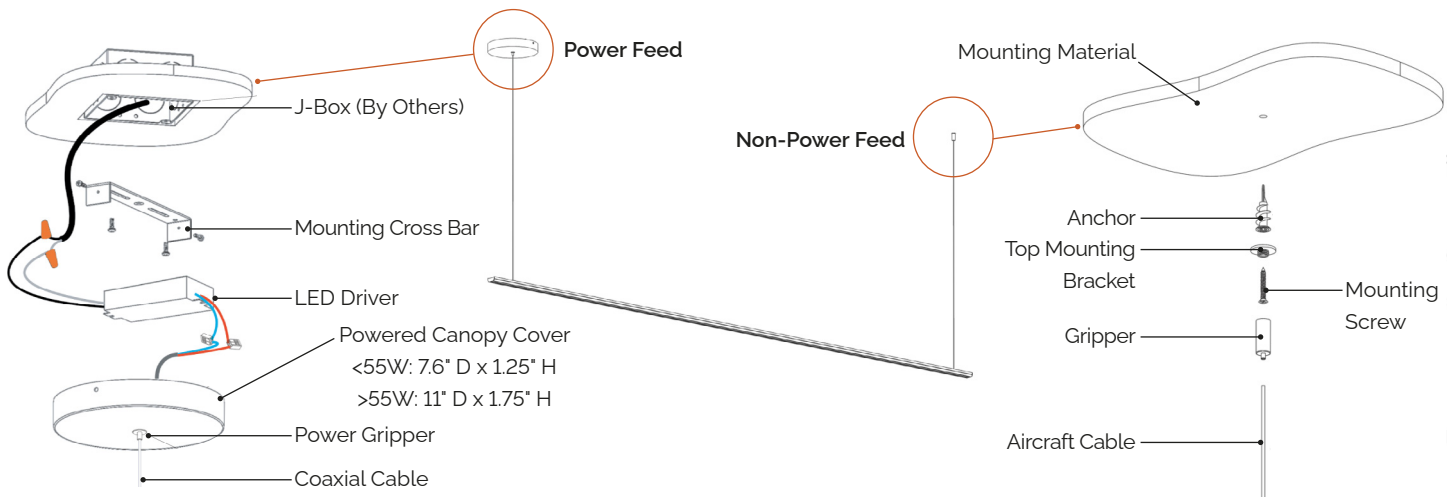


CCT	Length	Lumens	Wattage	LPW
3000K	4'	4000	36	110
	8'	8000	70	114
3500K	4'	4000	34	118
	8'	8000	65	122
4000K	4'	4000	33	120
	8'	8000	64	124
5000K	4'	4000	32	122
	8'	8000	63	126

Mounting

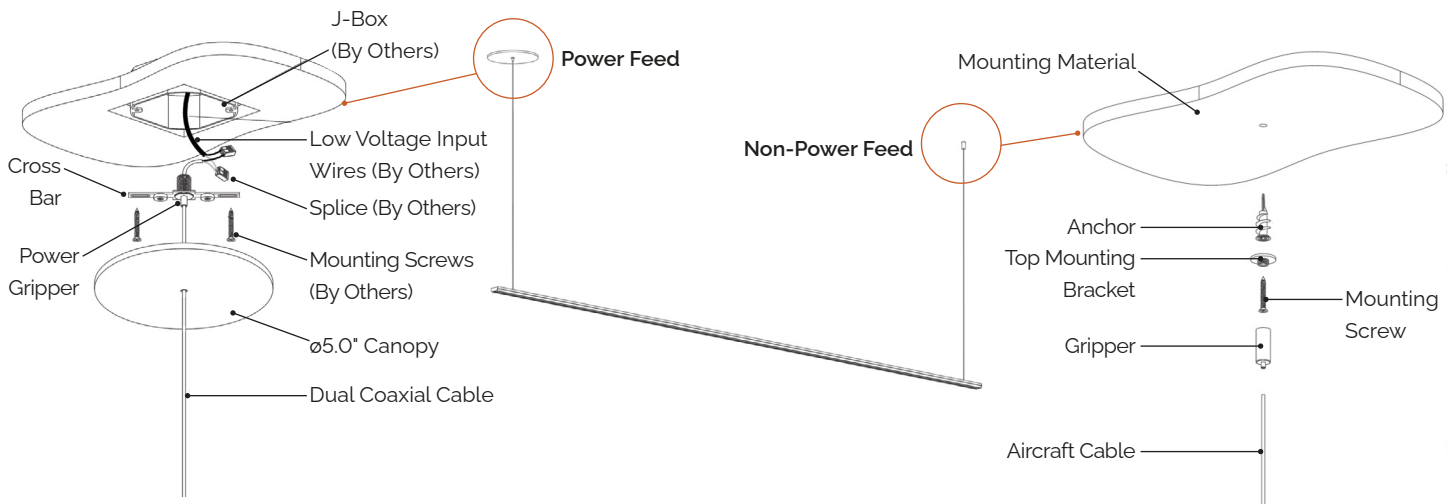
2' - 6' Fixtures require one (1) Non-Feed Mount. Fixtures larger than 6' require two (2) Non-Feed Mount.

PCX (Powered Canopy with Included Driver)



CRX (Canopy Recessed)

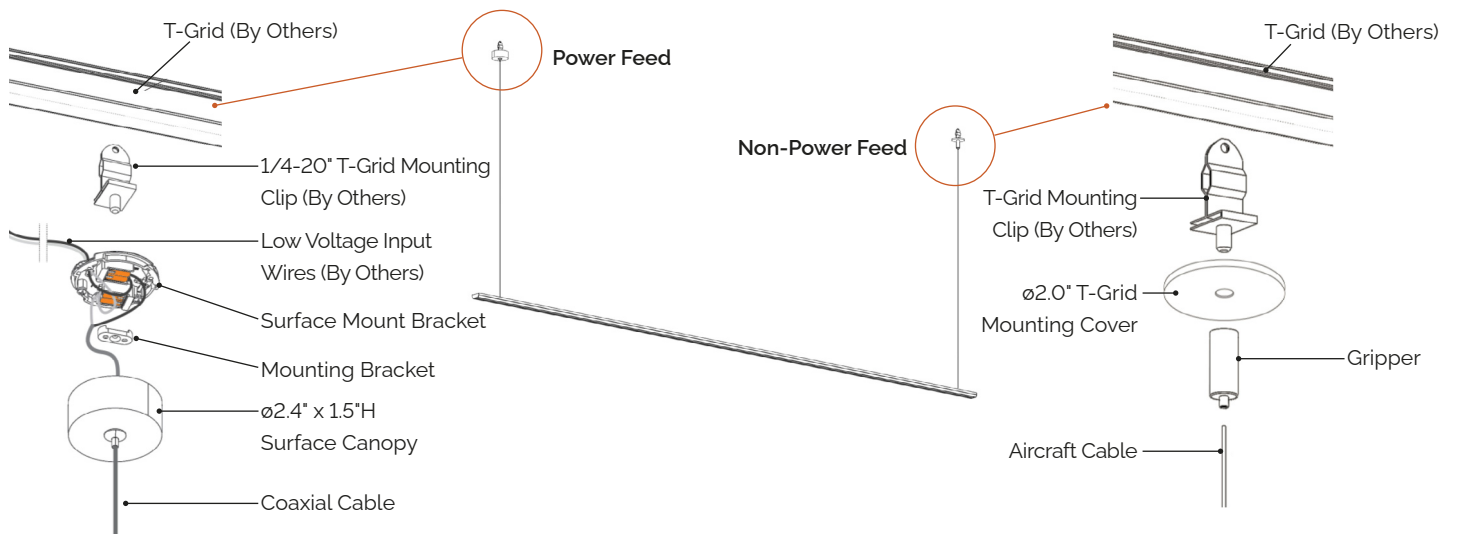
Requires Hyper Drive



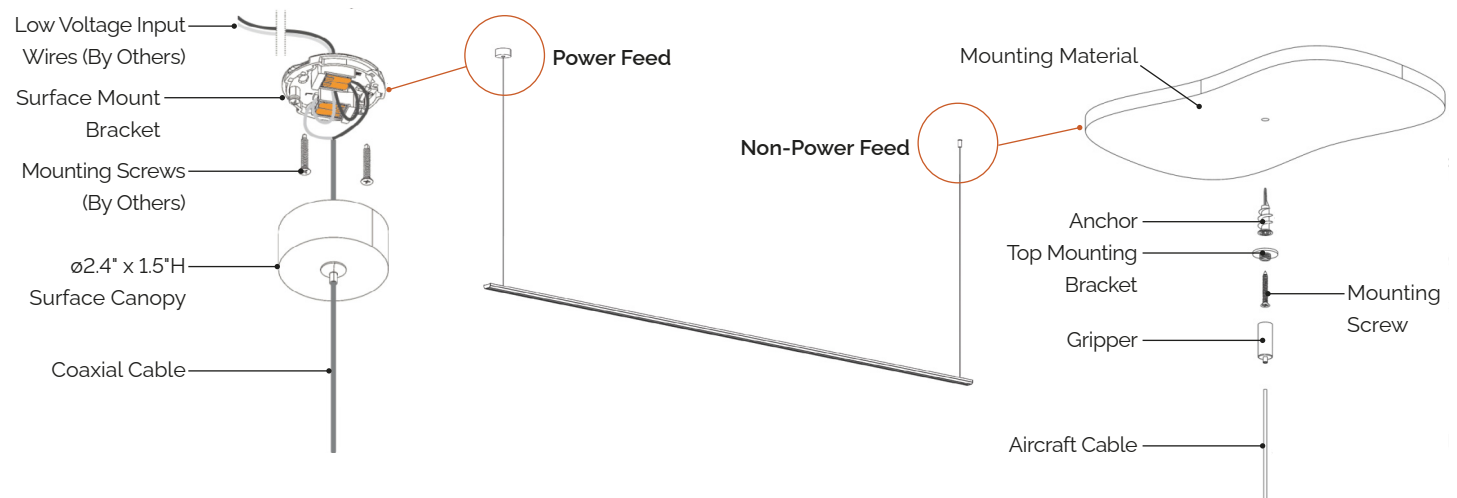
Mounting

2' - 6' Fixtures require one (1) Non-Fed Mount. Fixtures larger than 6' require two (2) Non-Fed Mount.

CTX (Canopy T-Grid) Requires Hyper Drive



CSX (Canopy Surface) Requires Hyper Drive

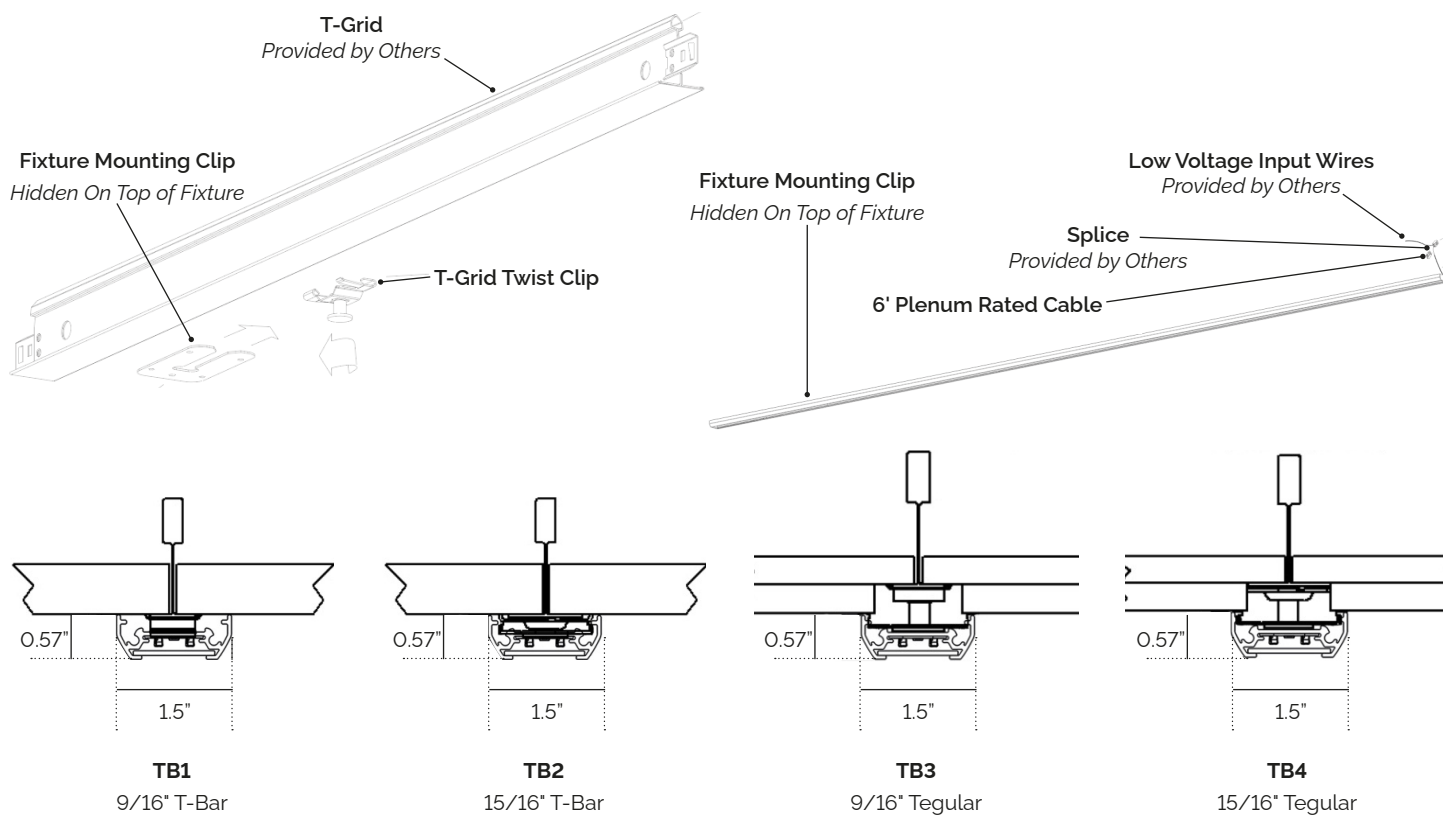


Mounting

2' - 6' Fixtures require one (1) Non-Feed Mount. Fixtures larger than 6' require two (2) Non-Feed Mount.

TBX (T-Grid)

Requires Hyper Drive



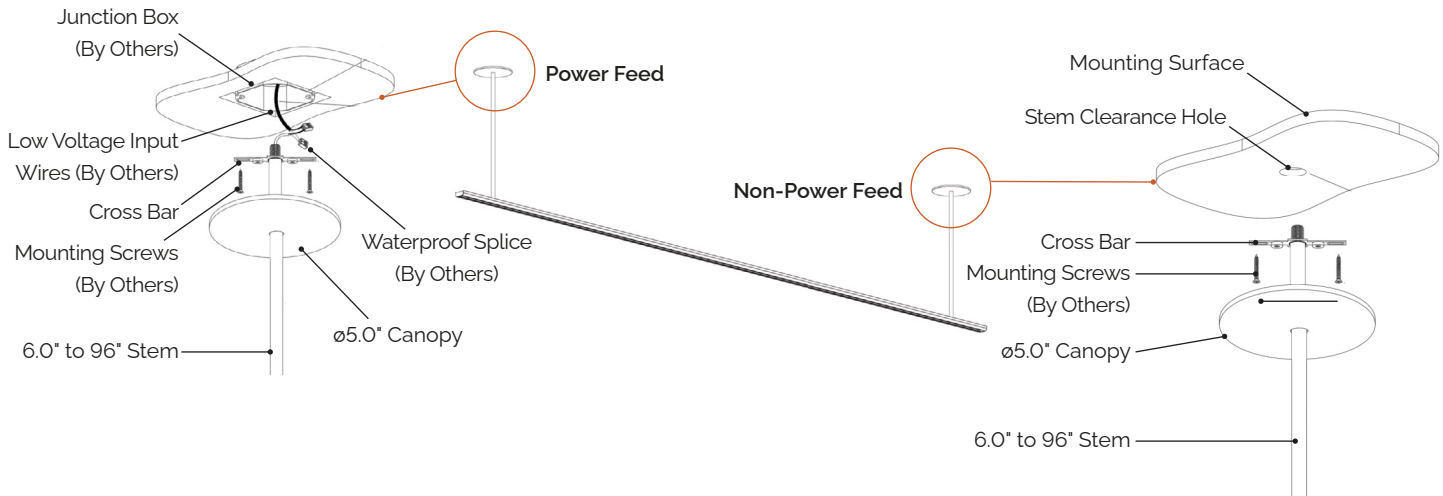
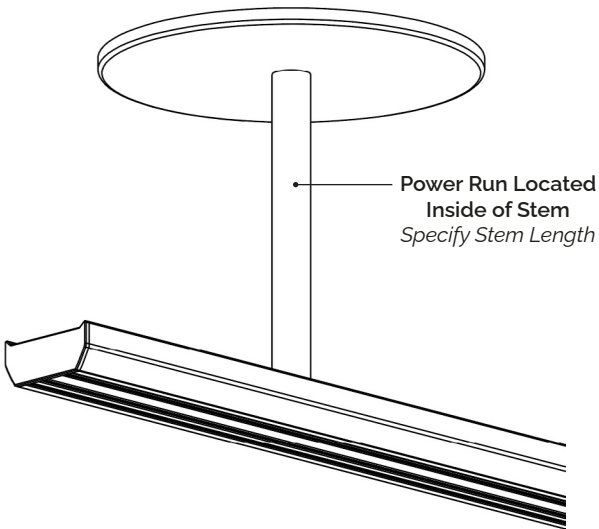
Mounting

STEMXX (Stem Mount)

Requires Hyper Drive

Please specify stem length when ordering. See "Stem Lengths" table for available options.

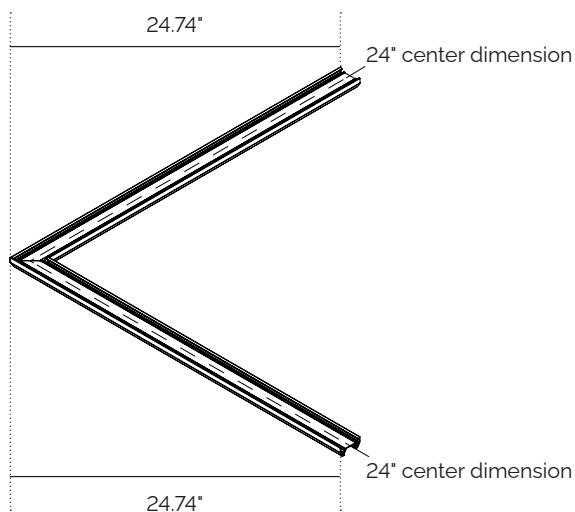
Stem Length	
Specify stem length in 0.75" shorter when measured from ceiling to fixture.	
STEMXX	Ceiling to Fixture
6"	5.25"
8"	7.25"
9"	8.25"
12"	11.25"
15"	14.25"
18"	17.25"
21"	20.25"
24"	23.25"
27"	26.25"
30"	29.25"
36"	35.25"
42"	41.25"
48"	47.25"
54"	53.25"
60"	59.25"
66"	65.25"
72"	71.25"
78"	77.25"
84"	83.25"
90"	89.25"
96"	95.25"



Shape Configuration

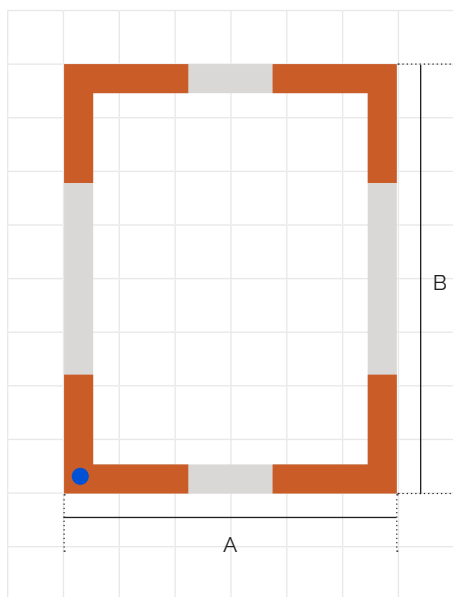
Joint Shape Configuration with Miter Cuts

Example: Standard stock 24.74" x 24.74" joint configurations are provided as shown below.



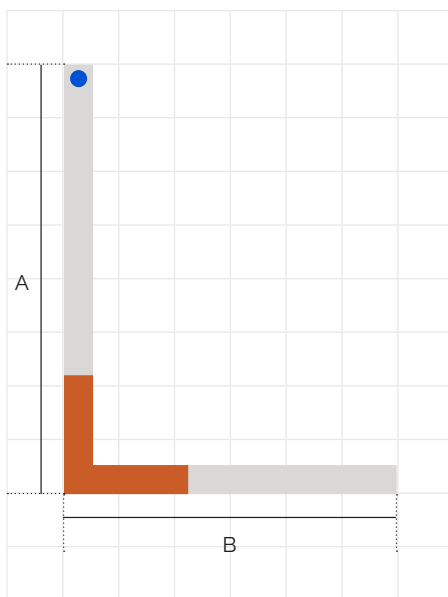
Rectangle (_X_RECT)

Provide AxB dimensions



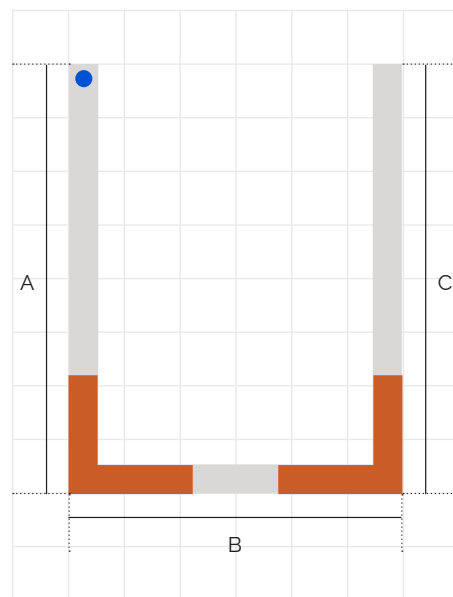
L-Shape (_X_L)

Provide AxB dimensions



U-Shape (_X_X_U)

Provide AxBxC dimensions



● Power Location



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.

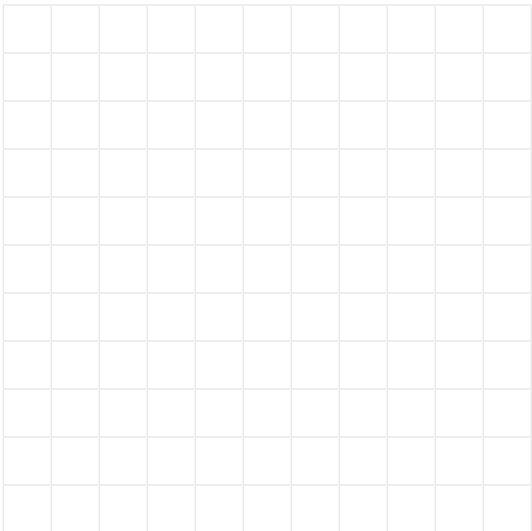
Refer to the run chart for standard run configurations on linear lengths. Consult factory for custom configurations.
Use the order guide to create your BOM for you configuration.

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	MFLAT-8-750-SD-35K-80-PW-SMM-1C-HD01
2	MFLAT-6-750-SD-35K-80-PW-SMM-1C-HD01
1	MFLAT-2-750-SD-35K-80-PW-SMM-1C-HD01
1	MFLAT-10-750-SD-35K-80-PW-SMM-1C-HD01
1	MFLAT-10-750-SD-35K-80-PW-SMM-1C-E1-HD02
1	MFLAT-10-750-SD-35K-80-PW-SMM-1C-HD02
1	HYPD-L5-NB-PW-DTZ-HD01
1	HYPD-M2-1EMB6-PW-DTZ-HD02

Example Configuration

