STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

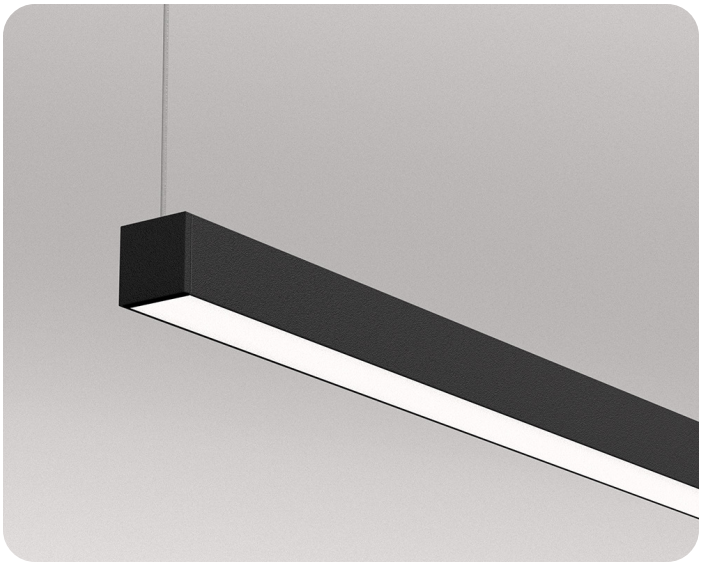
Micro Beam Suspended

Direct / Indirect

Key Features

- Extruded aluminum single piece housing
- Soft diffuse direct lighting
- Toolless height adjustment at the ceiling
- 0-10V dimming to 1% is standard
- Efficacy up to 120 lm/W
- 120-277V for power enclosure
- Three power choices of Hyper Drive remote power system

5 Year Warranty | BABA Compliant | BAA Compliant | Intertek | RoHS Compliant



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: 1.3" x 1.3"

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'

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 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

- Constant current programmable driver
- Output current: 0-10V, dim to 1% (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.

The information in this document is subject to change without notice.
Contact STARTEK for most up to date product details.

Ordering Logic

MBEAMDI-4-500-750-WD-BW-35K-90-PW-CSW-1C-E1-HD01

Series	Length	Direct Output[1]	Indirect Output[1]	Direct Distribution	Indirect Distribution
MBEAMDI					
	XX - Run Length	**250 -** 250 LPF	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**CL -** Clear Lens
	SXX - Symmetrical Run Length	**500 -** 500 LPF	**500 -** 500 LPF	**WD -** Wide Diffuse	**BW -** Batwing
		750 - 750 LPF	**750 -** 750 LPF	**WW -** Wall Wash	
		1000 - 1000 LPF	**1000 -** 1000 LPF		
		XXX - Custom LPF	**XXX -** Custom LPF		

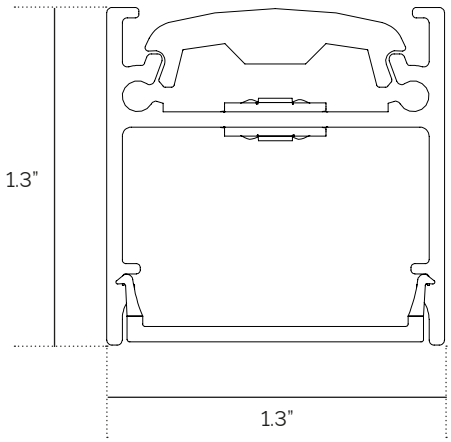
CCT	CRI	Finish	Mounting		Circuiting
27K - 2700K	**80 -** 80 CRI	**Standard Powder Coat[2]**	**Powered Canopy[3]**	**Canopy T-Grid[4]**	**1C -** Single Circuit
30K - 3000K	**90 -** 90 CRI (R9 50 min)	**PW -** White	**PCW -** Powered Canopy White	**CTW -** Canopy T-Grid White	**2C -** Separate D/I Circuits[5]
35K - 3500K		**PB -** Black	**PCB -** Powered Canopy Black	**CTB -** Canopy T-Grid Black	
40K - 4000K		**PS -** Silver	**Canopy Recessed[4]**	**Canopy Surface[4]**	
50K - 5000K		**Premium[2]**	**CRW -** Canopy Recessed White	**CSW -** Canopy Surface White	
		RALXXXX - Powder Coat Gloss Finish	**CRB -** Canopy Recessed Black	**CSB -** Canopy Surface Black	
		PSFX - Premium Stock Finish			
		Custom Powder Coat[2]			
		PO - Powder Other			

Remote Option	Hyper Drive Circuit
EX - EM Battery Designated Fixture[6]	**HDXX -** Hyper Drive Circuit[7,8]

Ordering Notes

1. 200 LPF min. output / 1000 LPF max. output.
2. See page 5 for standard and premium options.
3. 120-277V driver included.
4. Must be ordered with Hyper Drive Remote Driver.
5. Separate control of direct and indirect.
6. Specify quantity in 'X'. (ex: 3 batteries = 'E3')
7. Not required with the Powered Canopy mounting.
8. See pages 3-4 for more information.

Dimensions



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

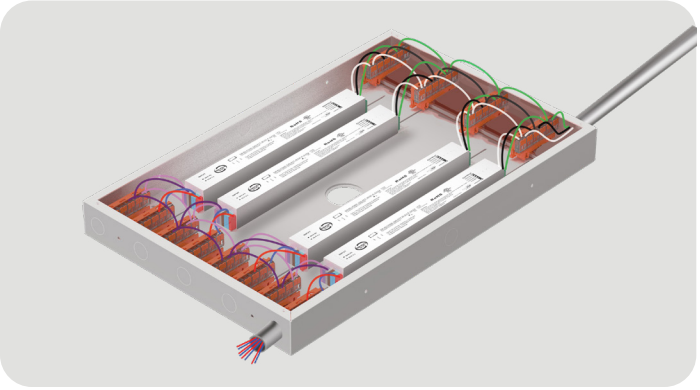
Reference chart for recommended maximum lengths of low voltage cable ran from Hyper Drive to fixture.

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

Configurations

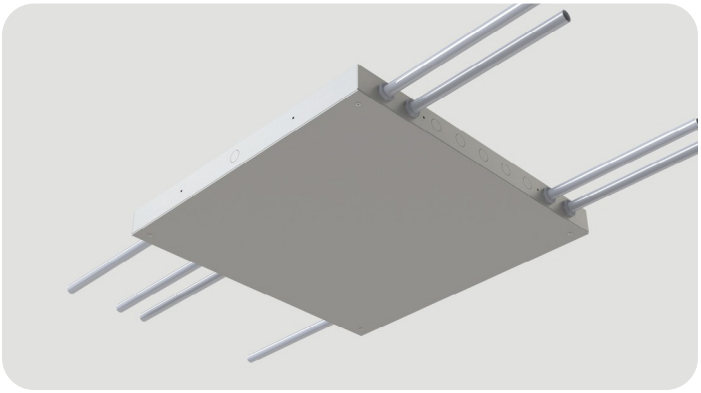
M4 Configuration *(Shown without front cover)*

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.



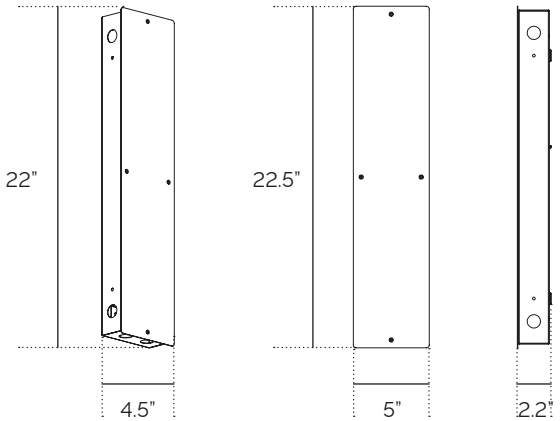
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Hyper Drive Remote Power System

SX (Small Hyper Drive Remote Canopy)

190W / 2 Drivers Max.

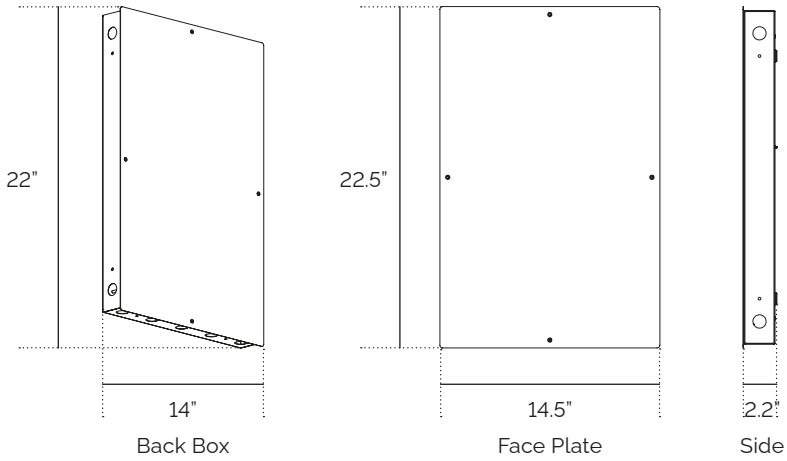
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 2 (190W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x6)
Battery	Available



MX (Medium Hyper Drive Remote Canopy)

300W / 4 Drivers Max.

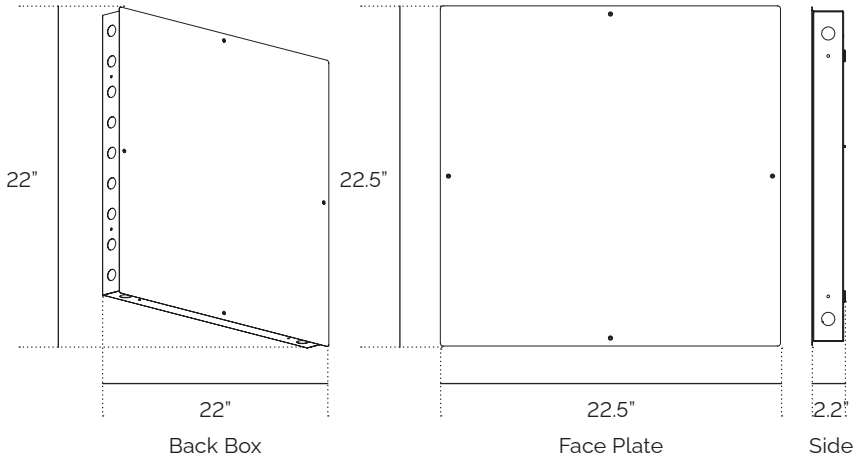
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 4 (300W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x12)
Battery	Available



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



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Lumen Packages

Length	Lumens	Input Wattage	LPW
4'	5000	46	108
8'	10000	87	115

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

Finishes

Standard



PW: White



PB: Black



PS: Silver

Premium Stock



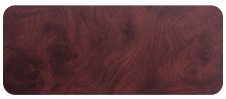
PSF001: Wood 1



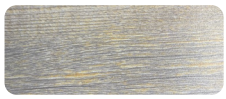
PSF002: Wood 2



PSF003: Wood 3



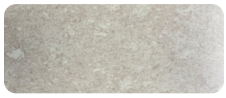
PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

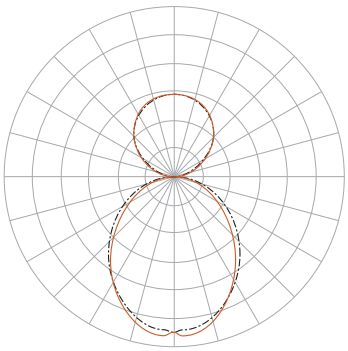


PSF009: Stone 3

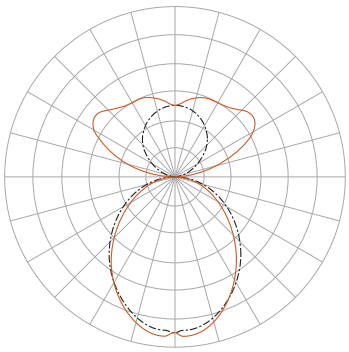
NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

All other custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.

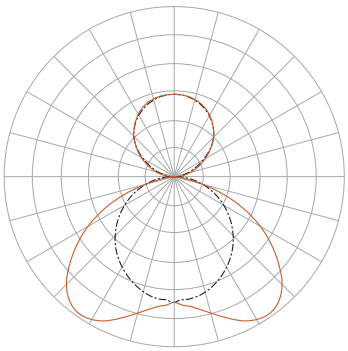
Distribution



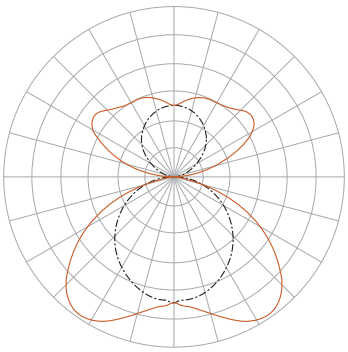
Indirect: Clear (CL)
Direct: SatinIce Diffuse (SD)



Indirect: Batwing (BW)
Direct: SatinIce Diffuse (SD)



Indirect: Clear (CL)
Direct: Wide Diffuse (WD)

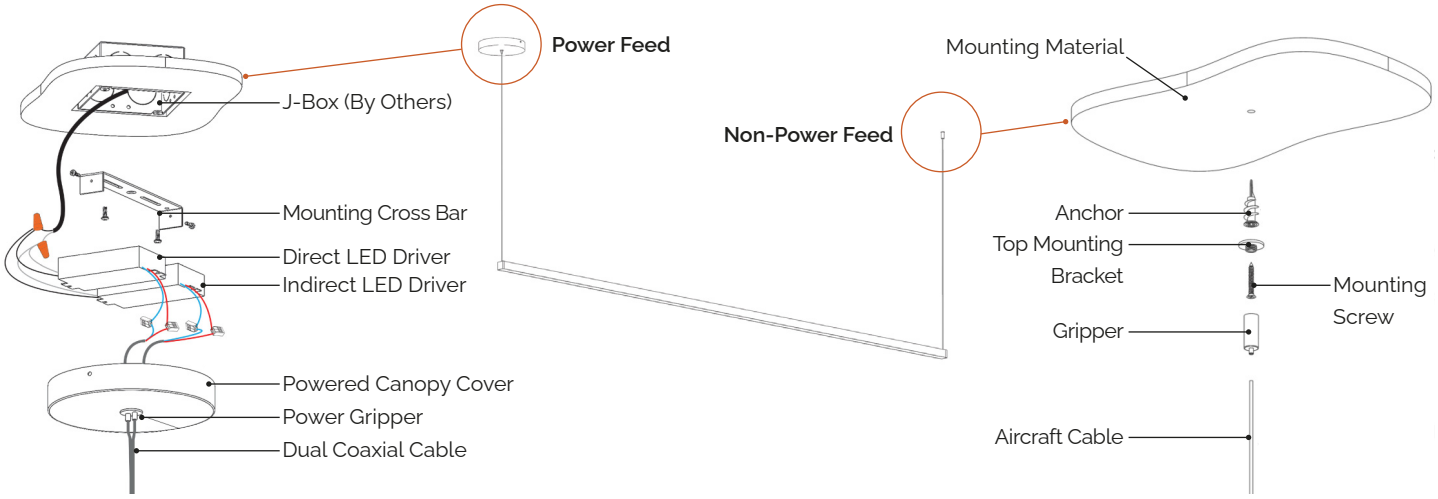


Indirect: Batwing (BW)
Direct: Wide Diffuse (WD)

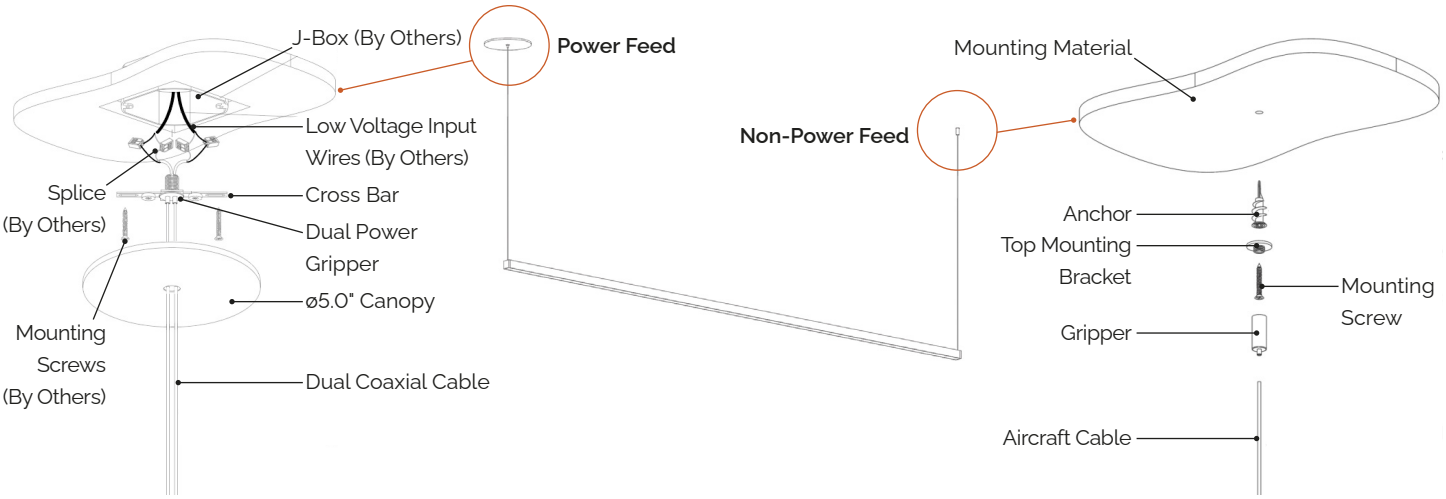
Mounting

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)



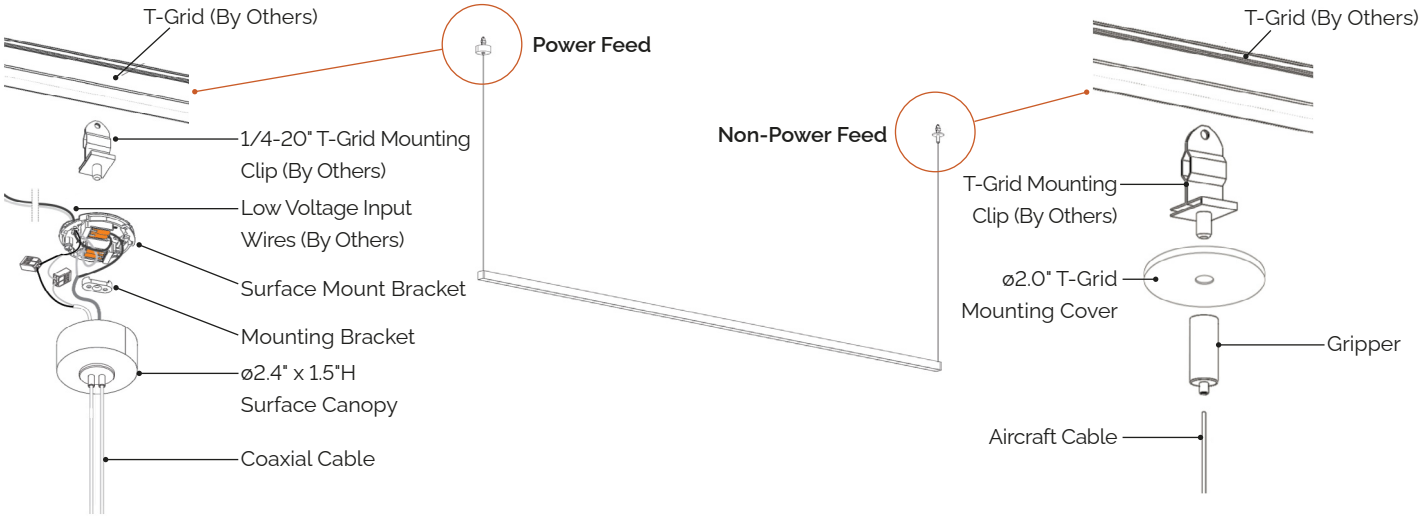
CRX (Canopy Recessed) Requires Hyper Drive



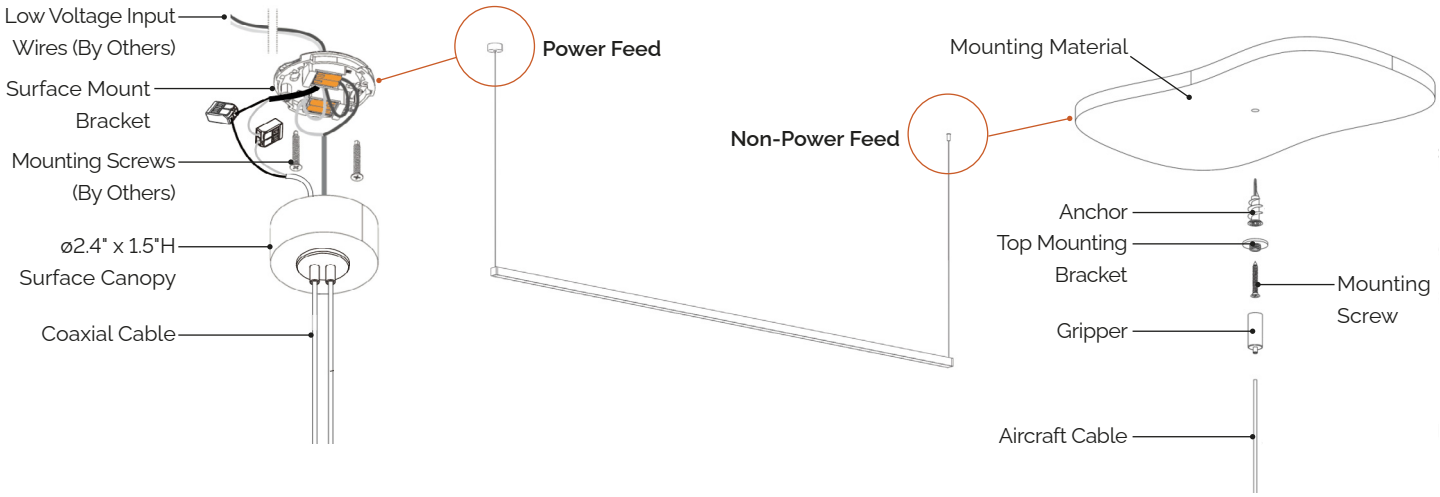
Mounting

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

CTX (Canopy T-Grid) Requires Hyper Drive



CSX (Canopy Surface) Requires Hyper Drive



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

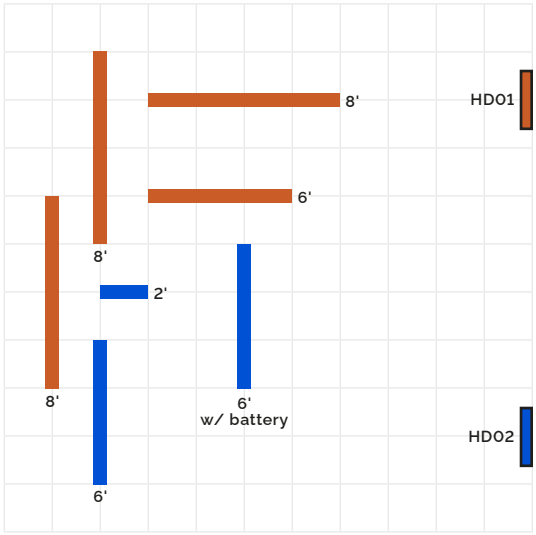
Configuration

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

Example

Qty.	Type
3	MBEAMDI-8-750-750-SD-BW-35K-80-PW-CSW-1C-HD01
1	MBEAMDI-6-750-750-SD-BW-35K-80-PW-CSW-1C-HD01
1	MBEAMDI-2-750-750-SD-BW-35K-80-PW-CSW-1C-HD02
1	MBEAMDI-6-750-750-SD-BW-35K-80-PW-CSW-1C-HD02
1	MBEAMDI-6-750-750-SD-BW-35K-80-PW-CSW-E1-HD02
1	HYPD-L8-NB-PW-U-DTZ-HD01
1	HYPD-L6-1EMB6-PW-U-DTZ-HD02

Example Configuration



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