

## Micro Beam Suspended Direct

### 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 115 lm/W
- 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: 1.3" 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 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

### 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
- 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

MBEAM-4-750-SD-35K-80-PW-CSW-1C-HD01

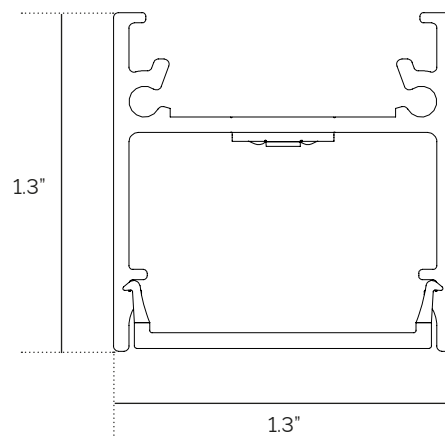
| Series | Length                              | Direct Output <sup>1</sup> | Direct Distribution          | CCT                                                     | CRI                            |
|--------|-------------------------------------|----------------------------|------------------------------|---------------------------------------------------------|--------------------------------|
| MBEAMD |                                     |                            |                              |                                                         |                                |
|        | <b>XX</b> - Run Length              | <b>250</b> - 250 LPF       | <b>SD</b> - SatinIce Diffuse | <b>27K</b> - 2700K                                      | <b>80</b> - 80 CRI             |
|        | <b>SXX</b> - Symmetrical Run Length | <b>500</b> - 500 LPF       | <b>WD</b> - Wide Diffuse     | <b>30K</b> - 3000K                                      | <b>90</b> - 90 CRI (R9 50 min) |
|        |                                     | <b>750</b> - 750 LPF       | <b>WW</b> - Wall Wash        | <b>35K</b> - 3500K                                      |                                |
|        |                                     | <b>1000</b> - 1000 LPF     |                              | <b>40K</b> - 4000K                                      |                                |
|        | <b>XXX</b> - Custom LPF             |                            |                              | <b>50K</b> - 5000K                                      |                                |
|        |                                     |                            |                              | <b>TW</b> - Tunable White <sup>2</sup><br>(2700K-6500K) |                                |

| Finish <sup>3</sup>                      | Mounting                           |                                   | Electrical                 | Remote Option <sup>6</sup>                | Hyper Drive Circuit <sup>7, 8</sup> |
|------------------------------------------|------------------------------------|-----------------------------------|----------------------------|-------------------------------------------|-------------------------------------|
|                                          |                                    |                                   | 1C                         |                                           |                                     |
| <b>Standard Powder Coat</b>              | <b>Powered Canopy<sup>4</sup></b>  | <b>Canopy T-Grid<sup>5</sup></b>  | <b>1C</b> - Single Circuit | <b>EX</b> - EM Battery Designated Fixture | <b>HDXX</b> - Hyper Drive Circuit   |
| <b>PW</b> - White                        | <b>PCW</b> - Powered Canopy White  | <b>CTW</b> - Canopy T-Grid White  |                            |                                           |                                     |
| <b>PB</b> - Black                        | <b>PCB</b> - Powered Canopy Black  | <b>CTB</b> - Canopy T-Grid Black  |                            |                                           |                                     |
| <b>PS</b> - Silver                       | <b>Canopy Recessed<sup>5</sup></b> | <b>Canopy Surface<sup>5</sup></b> |                            |                                           |                                     |
| <b>Premium</b>                           | <b>CRW</b> - Canopy Recessed White | <b>CSW</b> - Canopy Surface White |                            |                                           |                                     |
| <b>RALXXX</b> - Powder Coat Gloss Finish | <b>CRB</b> - Canopy Recessed Black | <b>CSB</b> - Canopy Surface Black |                            |                                           |                                     |
| <b>PSFX</b> - Premium Stock Finish       |                                    |                                   |                            |                                           |                                     |
| <b>Custom Powder Coat</b>                |                                    |                                   |                            |                                           |                                     |
| <b>PO</b> - Powder Other                 |                                    |                                   |                            |                                           |                                     |

### Ordering Notes

1. 200 LPF min. output / 1500 LPF max. output.
2. Tunable White Driver must be specified in options.
3. See page 5 for standard and premium options.
4. 120-277V driver included. 50W max. dual driver required.
5. **Must be ordered with Hyper Drive Remote Driver.**
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



## Hyper Drive Remote Power System

### Ordering Logic

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

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

| Options                                                                     | Hyper Drive Circuit                         |
|-----------------------------------------------------------------------------|---------------------------------------------|
| <b>Specialty Drivers<sup>6, 7</sup></b>                                     | <b>HDXX</b> - Hyper Drive Circuit           |
| <b>DT1</b> - eldoLED EcoDrive Dim to 1% (0-10V)                             | <b>Sensors</b>                              |
| <b>DTZ</b> - eldoLED SoloDrive Dim to 0.1% (0-10V)                          | Consult factory                             |
| <b>PSRD</b> - Philips Sensor Ready (DALI) Driver                            | <b>Others</b>                               |
| <b>LDE1</b> - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black | <b>CP</b> - Chicago Plenum (CCEA)           |
| <b>TW-A</b> - Tunable White, 0-10V                                          | <b>RTS</b> - Remote Test Switch for Battery |
| <b>TW-EL</b> - 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.

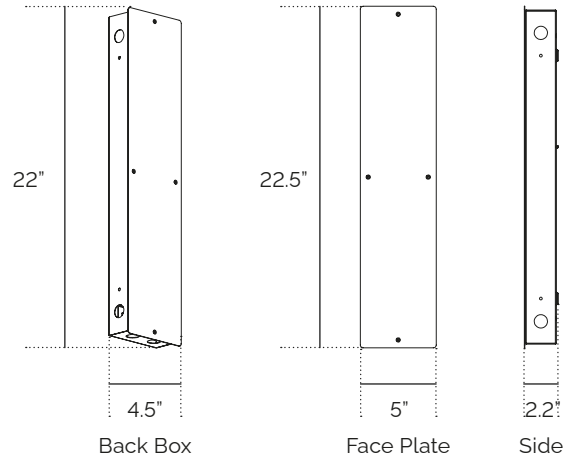


## Hyper Drive Remote Power System

### SX (Small Hyper Drive Remote Canopy)

190W / 2 Drivers Max.

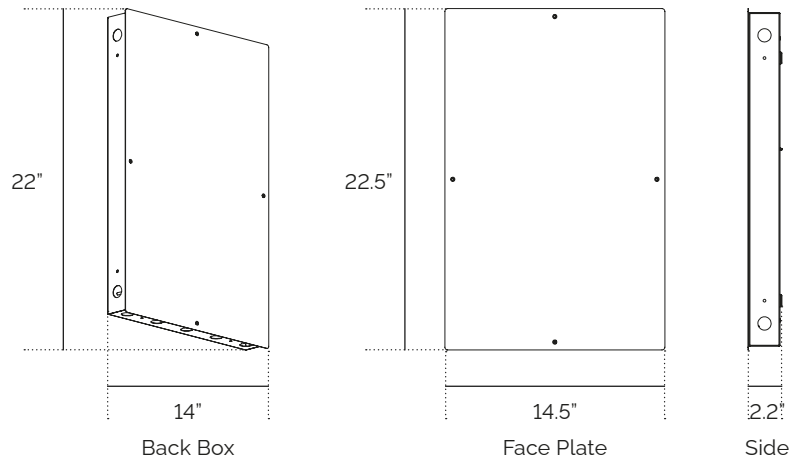
|                      |                    |
|----------------------|--------------------|
| Driver Form Factor   | Linear             |
| Input Rating         | 120-277V           |
| Outputs              | Up to 2 (190W max) |
| Max. Remote Distance | Up to 150' (45m)   |
| Knockouts            |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



### MX (Medium Hyper Drive Remote Canopy)

300W / 4 Drivers Max.

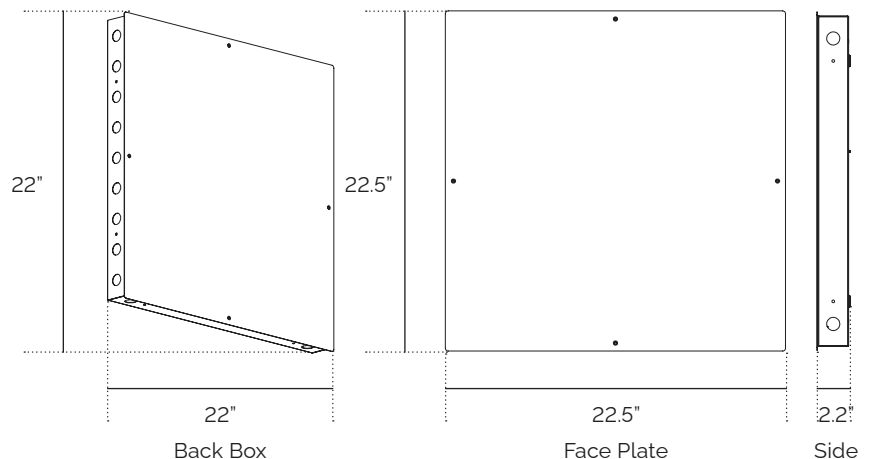
|                      |                    |
|----------------------|--------------------|
| Driver Form Factor   | Linear             |
| Input Rating         | 120-277V           |
| Outputs              | Up to 4 (300W max) |
| Max. Remote Distance | Up to 150' (45m)   |
| Knockouts            | 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'     | 3000   | 34            | 98  |
| 8'     | 6000   | 54            | 110 |

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

Finishes

Standard



PW: White



PB: Black



PS: Silver

Premium Stock



PSF001: Wood 1



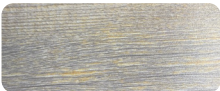
PSF002: Wood 2



PSF003: Wood 3



PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

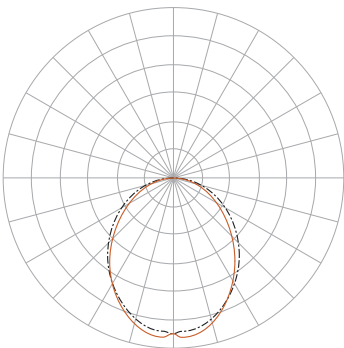


PSF009: Stone 3

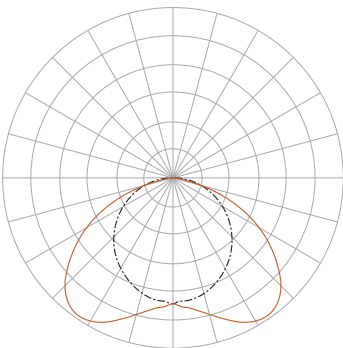
NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

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

Distribution



Direct: SatinIce Diffuse (SD)

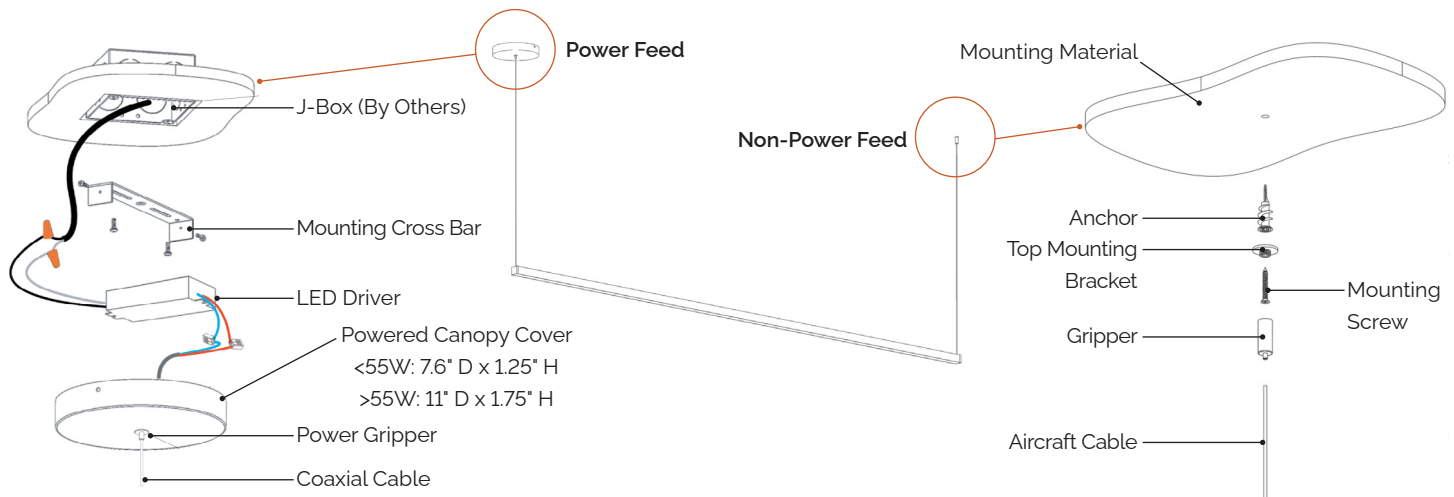


Direct: Wide Diffuse (WD)

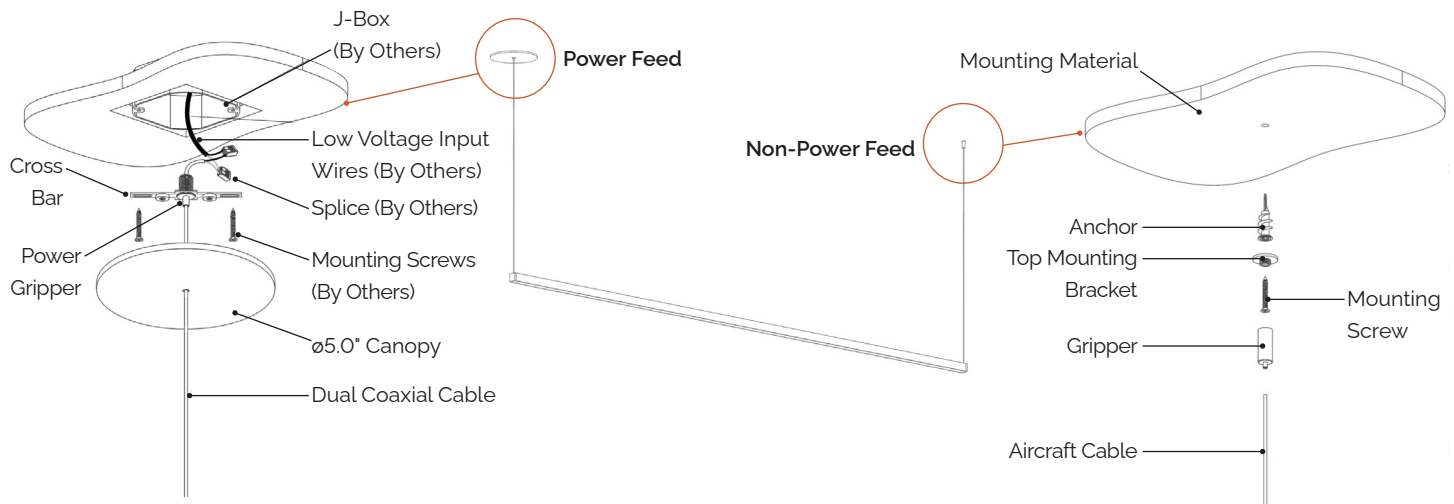
## Mounting

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)



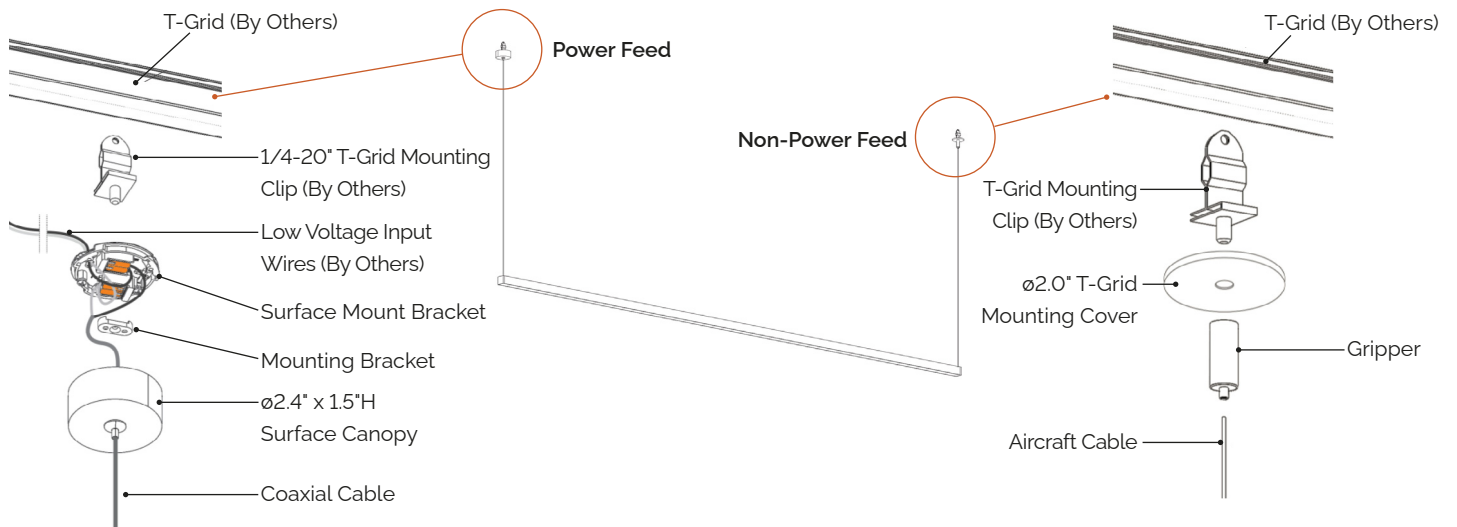
### CRX (Canopy Recessed) Requires Hyper Drive



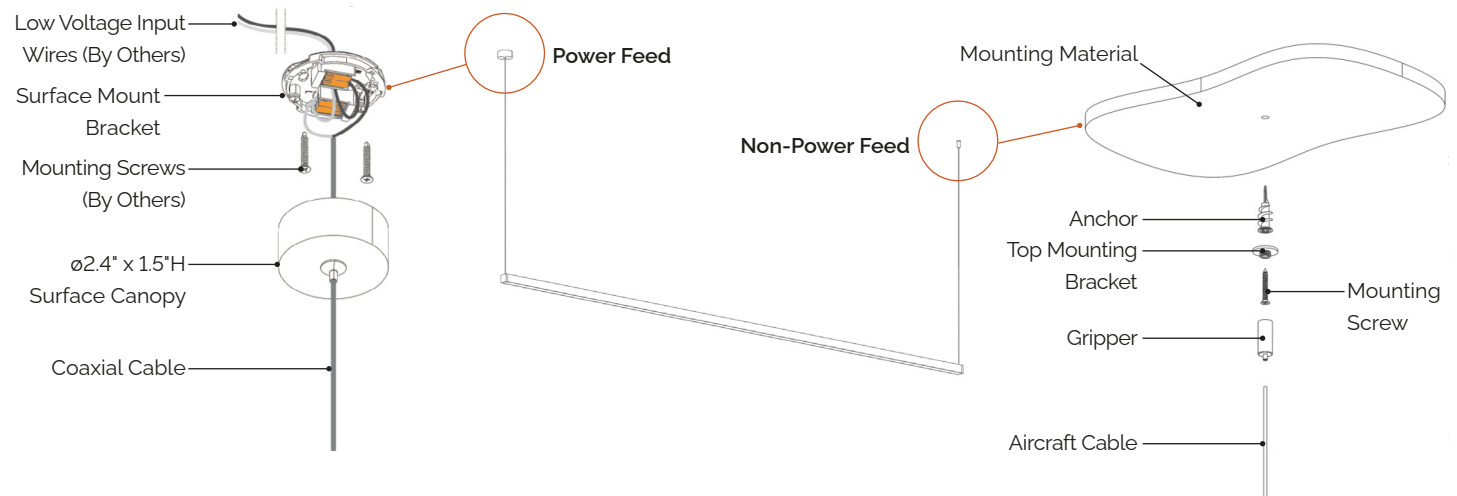
## Mounting

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.

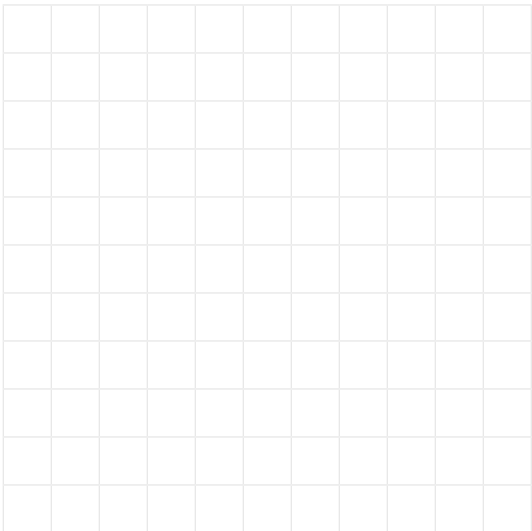
Refer to the run chart for standard run configurations on linear lengths. Consult factory for custom configurations.  
Use the order guide to create your BOM for you configuration.

**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    | MBEAMD-8-750-SD-35K-80-PW-CSW-1C-HD01    |
| 1    | MBEAMD-6-750-SD-35K-80-PW                |
| 1    | MBEAMD-2-750-SD-35K-80-PW-HD02           |
| 1    | MBEAMD-6-750-SD-35K-80-PW-CSW-1C-HD02    |
| 1    | MBEAMD-6-750-SD-35K-80-PW-CSW-1C-E1-HD02 |
| 1    | HYPD-L5-NB-PW-DTZ-HD01                   |
| 1    | HYPD-M2-1EMB6-PW-DTZ-HD02                |

## Example Configuration

