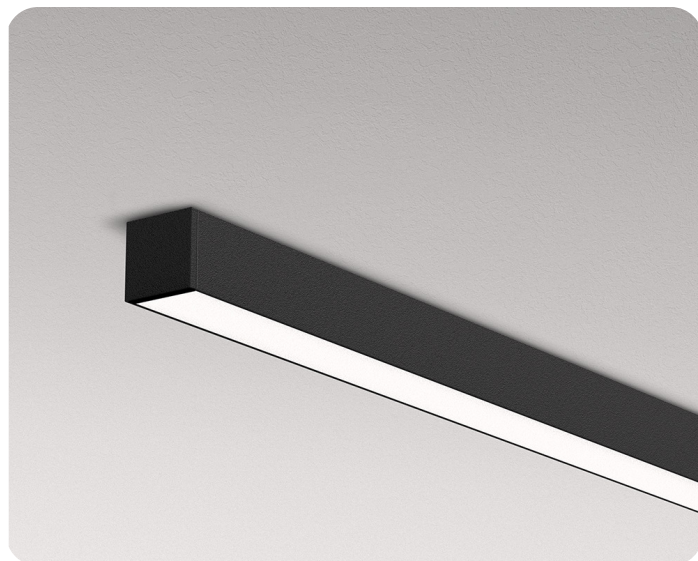


Micro Beam Surface

Key Features

- Extruded aluminum single piece housing
- Soft diffuse direct lighting
- Continuous lensing standard – runs up to 100'
- 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'
- 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 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
- THD: <20%
- Max load: 87% efficiency

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

MBEAMD-4-750-SD-35K-90-PW-SM-1C-HD01

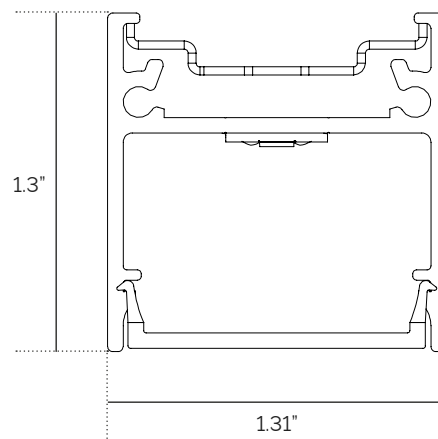
Series	Length	Direct Output ¹	Direct Distribution	CCT	CRI
MBEAMD					
	XX - Run Length	250 - 250 LPF	SD - SatinIce Diffuse	27K - 2700K	80 - 80 CRI
	SXX - Symmetrical Run Length	500 - 500 LPF	WD - Wide Diffuse	30K - 3000K	90 - 90 CRI (R9 50 min)
		750 - 750 LPF	WW - Wall Wash	35K - 3500K	
		1000 - 1000 LPF		40K - 4000K	
	XXX - Custom LPF			50K - 5000K	
				TW - Tunable White ^{2,4} (2700K-6500K)	

Finish	Mounting	Circuiting	Remote Option ⁵	Hyper Drive Circuit ⁶
		1C		
Standard Powder Coat³	T-Grid⁴	1C - Single Circuit	EX - EM Battery Designated Fixture	HDXX - Hyper Drive Circuit
PW - White	TB1 - 9/16" Grid			
PB - Black	TB2 - 15/16" Grid			
PS - Silver	TB3 - 9/16" Grid (Tegular Tile)			
Premium³	TB4 - 15/16" Grid (Tegular Tile)			
RALXXXX - Powder Coat Gloss Finish	Surface⁴			
PSFX - Premium Stock Finish	SM - Surface Mount			
Custom Powder Coat³				
PO - Powder Other				

Ordering Notes

1. 200 LPF min. output / 1000 LPF max. output.
2. Tunable White Driver must be specified in options.
3. See page 5 for standard and premium options.
4. Must be ordered with Hyper Drive Remote Driver.
5. Specify quantity in 'X'. (ex: 3 batteries = 'E3')
6. 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 ^{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.

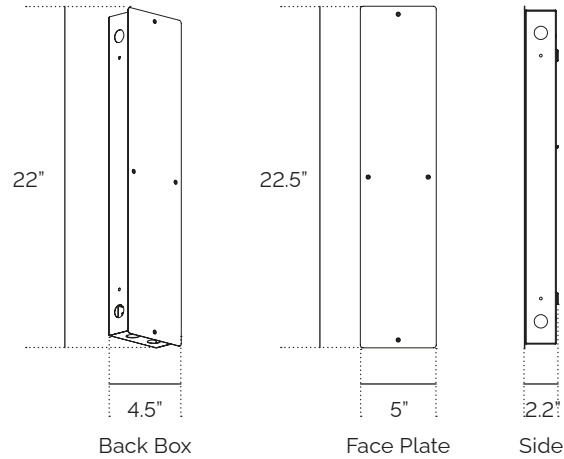


Hyper Drive Remote Power System

SX (Small Hyper Drive Remote Canopy)

190W / 2 Drivers Max.

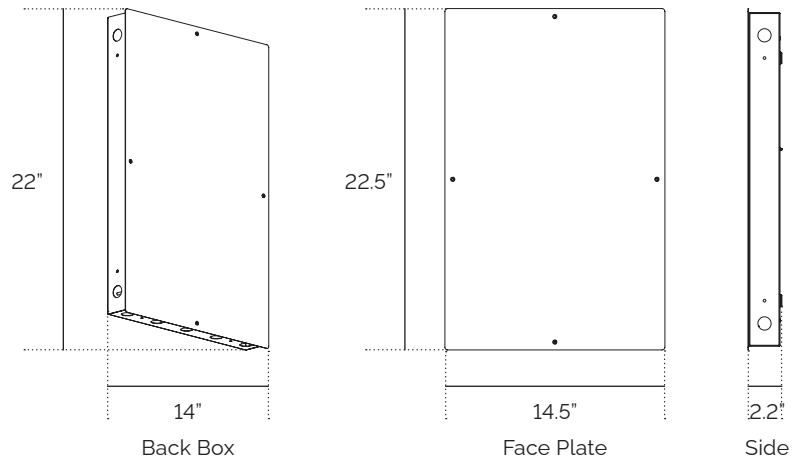
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 2 (190W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x6)
Battery	Available



MX (Medium Hyper Drive Remote Canopy)

300W / 4 Drivers Max.

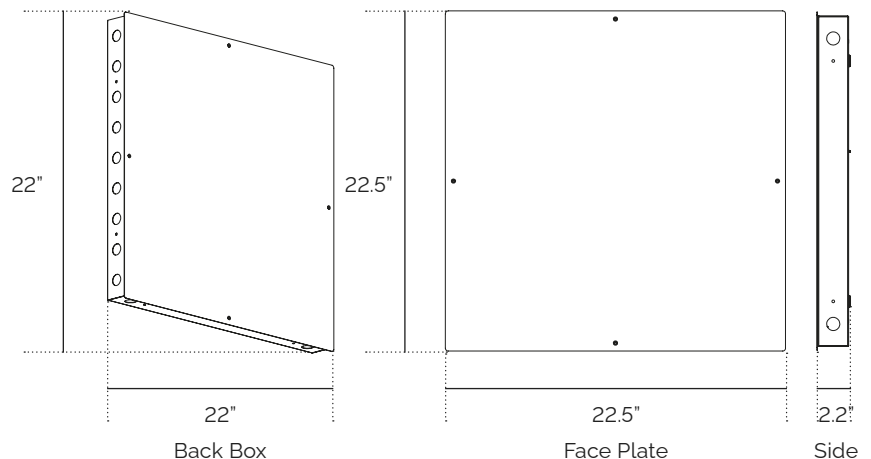
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 4 (300W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x12)
Battery	Available



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



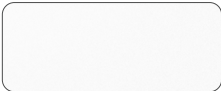
Lumen Packages

Length	Lumens	Input Wattage	LPW
4'	4000	40	98
8'	8000	78	110

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

Finishes

Standard



PW: White



PB: Black



PS: Silver

Premium Stock



PSF001: Wood 1



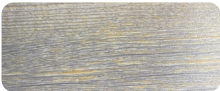
PSF002: Wood 2



PSF003: Wood 3



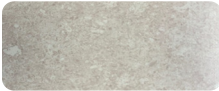
PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

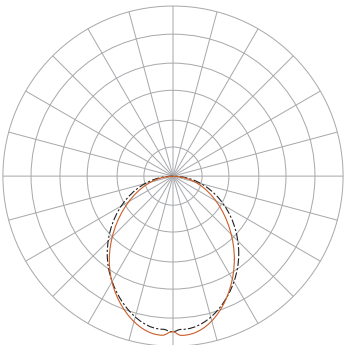


PSF009: Stone 3

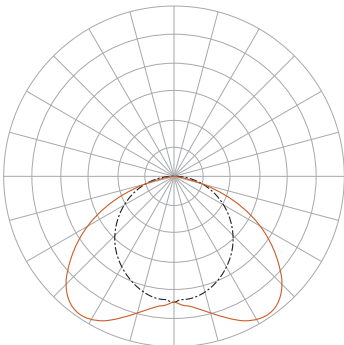
NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

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

Distribution



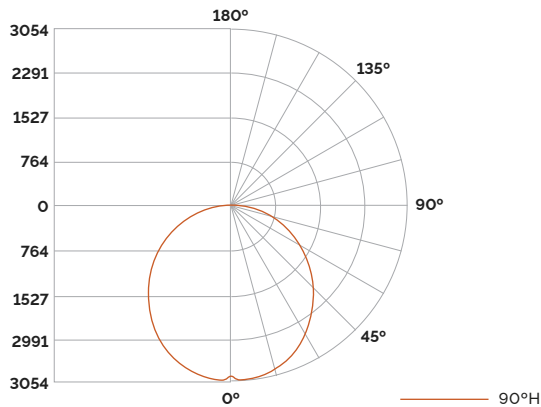
Direct: SatinIce Diffuse (SD)



Direct: Wide Diffuse (WD)

Performance

MBEAMD-8-1000-SD-35K-80



Wattage Multiplier

CRI	CCT	4' Length	8' Length
80 CRI	3000K	1.11	1.05
	3500K	1.05	1.00
	4000K	1.03	0.98
	5000K	1.02	0.97
90 CRI	3000K	1.17	1.11
	3500K	1.11	1.05
	4000K	1.08	1.03
	5000K	1.07	1.02

Multiplier How-To

To determine CRI/CCT configuration wattage:

Choose wattage from Power matrix for desired optic and lumen output for 8' fixture length.

Wattage x Multiplier = New Configuration Wattage

Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	2982	2982	2982	2982	2982
5	3045	2985	2951	2934	2944
10	3002	2939	2904	2883	2890
15	2925	2859	2823	2797	2803
20	2814	2744	2714	2681	2683
25	2674	2608	2580	2543	2538
30	2513	2446	2423	2382	2372
35	2328	2265	2246	2204	2191
40	2128	2069	2055	2016	2005
45	1918	1861	1849	1817	1801
50	1699	1646	1636	1609	1598
55	1480	1434	1422	1402	1393
60	1250	1209	1195	1182	1170
65	1015	983	968	954	941
70	785	759	742	725	710
75	561	542	525	507	486
80	351	339	324	302	285
85	165	153	145	128	117
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45°	36,456	35,144	34,245
55°	34,679	33,326	32,642
65°	32,272	30,794	29,945
75°	29,141	27,289	25,243
85°	25,513	22,353	17,979

Power

Direct LPF	Total Lumens	Wide Diffuse (WD)	
		LPW	W/ft.
300	2800	101	3
500	4000	101	5
750	6000	101	7
1000	8000	101	10

NOTE: Based on 8' lengths at 35K CCT and 80 CRI modules. All wattage values are rounded up. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

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

Row Configurations

SXX (Symmetric Run)

The construction of SXX (y') is to build with equal length fixtures. The xx indicates the run length. The y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

S12' (2')	2'	2'	2'	2'	2'	2'
S12' (3')	3'	3'	3'	3'		
S12' (4')	4'	4'	4'			
S12' (6')	6'	6'				

Mounting Locations

Continuous Runs

Mounting locations (●) will vary dependent on fixture length. See below for individual fixtures and runs views show top of fixtures.

12' Run	8' 4'
16' Run	8' 8'
20' Run	8' 8' 4'
24' Run	8' 8' 8'
28' Run	8' 8' 8' 4'

Surface Mount

Mounting locations (●) will vary dependent on fixture length.

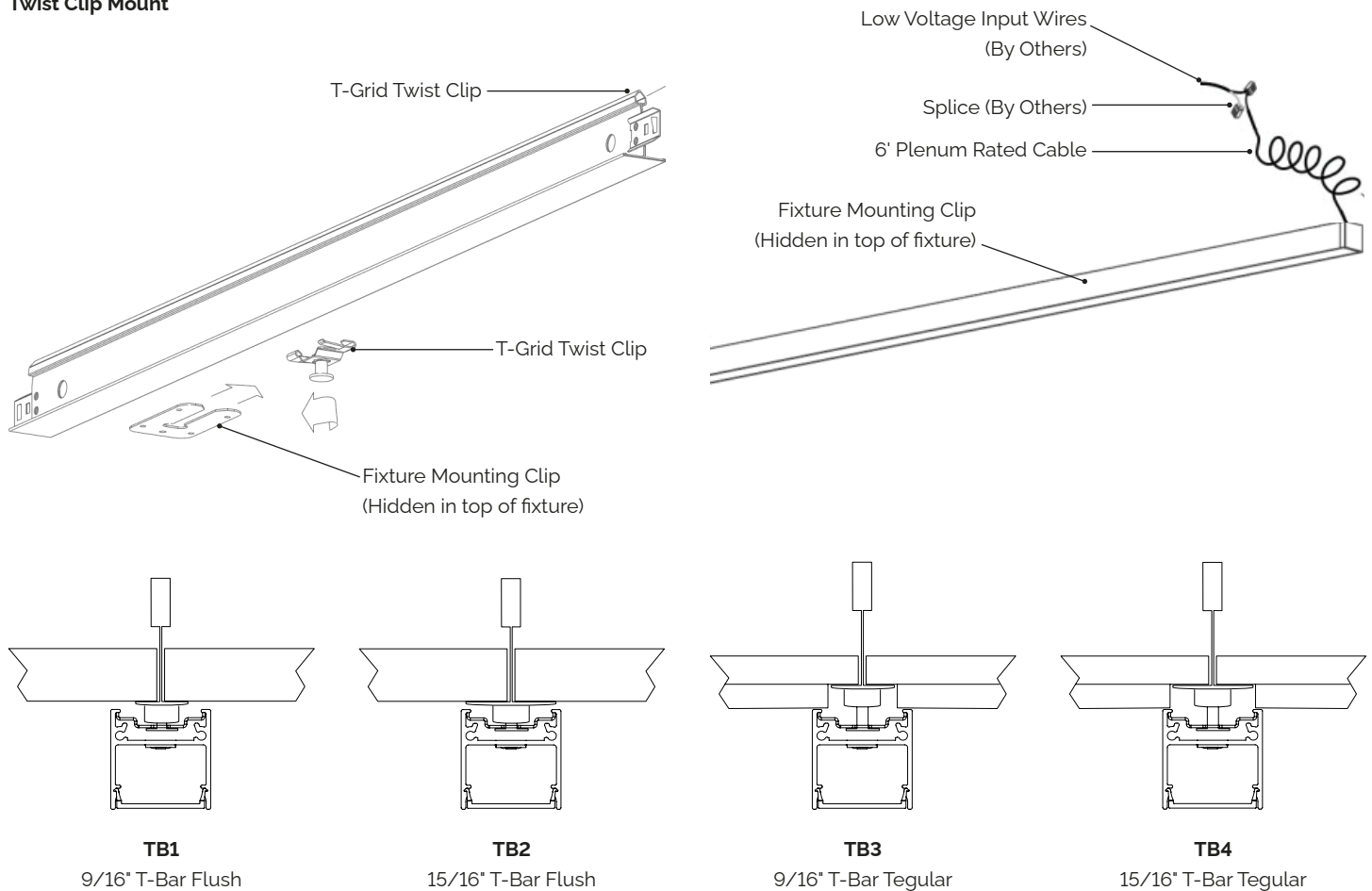
> 4'	● 4' ●	CL	● 4' ●
≤ 4'	● 4' ●		

Mounting

T-Grid Options

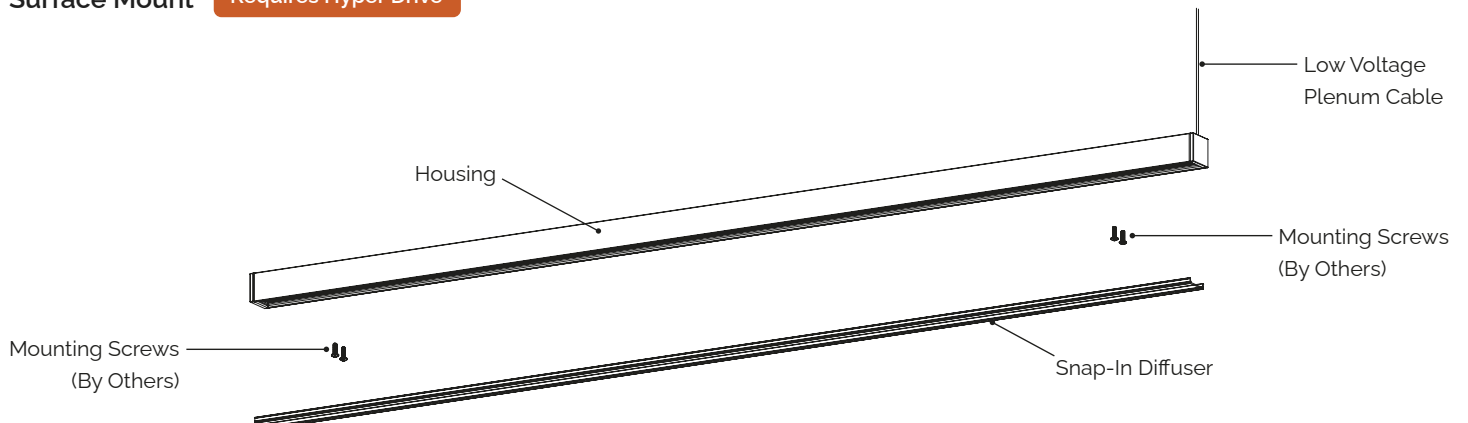
Requires Hyper Drive

Twist Clip Mount



Surface Mount

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-SM-1C-HD01	
1	MBEAMD-6-750-SD-35K-80-PW-SM-1C-HD01	
1	MBEAMD-2-750-SD-35K-80-PW-SM-1C-HD02	
1	MBEAMD-6-750-SD-35K-80-PW-SM-1C-HD02	
1	MBEAMD-6-750-SD-35K-80-PW-SM-1C-E1-HD02	
1	HYPD-M4-NB-PW-U-DTZ-HD01	
1	HYPD-M3-1EMB6-PW-U-DTZ-HD02	

Example Configuration

