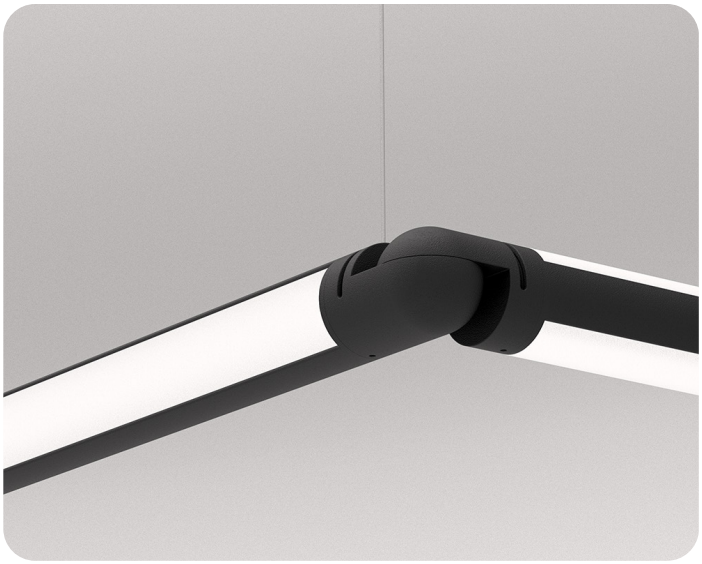
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Micro Optimo Flex
Suspended
Direct / Indirect



Key Features

- Extruded aluminum single piece housing
- Soft diffuse direct and indirect 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

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: 1.7" diameter

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 and indirect 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.

STARTEK
ARCHITECTURAL LIGHTING

Micro Optimo Flex Suspended

Direct / Indirect

Ordering Logic

MOPTFLEX-8S-X-750-SD-35K-80-PW-CRW-1C-HD01

Series	Length[1]	Plane[2]	Direct Output[3]	Indirect Output[3]	Distribution
MOPTFLEX					SD
	XS - Length Start	**X -** X Plane	**350 -** 350 LPF	**350 -** 350 LPF	**SD -** SatinIce Diffuse
	XM - Length Middle	**Y -** Y Plane	**500 -** 500 LPF	**500 -** 500 LPF	
	XE - Length End	**Z -** Z Plane	**750 -** 750 LPF	**750 -** 750 LPF	
			XXX - Custom LPF	**XXX -** Custom LPF	

CCT	CRI	Finish[4]		Mounting	
27K - 2700K	**80 -** 80 CRI	**Standard Powder Coat**	**Premium**	**Powered Canopy[5]**	**Canopy T-Grid[6]**
30K - 3000K	**90 -** 90 CRI (R9 50 min)	**PW -** White	**RALXXXX -** Powder Coat Gloss Finish	**PCW -** Powered Canopy White	**CTW -** Canopy T-Grid White
35K - 3500K		**PB -** Black	**PSFX -** Premium Stock Finish	**PCB -** Powered Canopy Black	**CTB -** Canopy T-Grid Black
40K - 4000K		**PS -** Silver	**Custom Powder Coat**	**Canopy Recessed[6]**	**Canopy Surface[6]**
50K - 5000K			**PO -** Powder Other	**CRW -** Canopy Recessed White	**CSW -** Canopy Surface White
				CRB - Canopy Recessed Black	**CSB -** Canopy Surface Black

Circuiting	Remote Option[6, 8]	Hyper Drive Circuit[9, 10]
1C - Single Circuit	**EX -** EM Battery Designated Fixture	**HDXX -** Hyper Drive Circuit
2C - Separate D/I Circuits[7]		

Ordering Notes

1. Replace 'X' with fixture length. Lengths over 8' require one canopy and power feed per 8' section.
2. Refer to plane image below to specify.
3. 200 LPF min. output / 1000 LPF max. output.
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. Separate D/I switched power and dimming (shared neutral).
8. Specify quantity in 'X'. (ex: 3 batteries = 'E3')
9. Not required with the Powered Canopy mounting.
10. See pages 3-4 for more information.

Flex Hub Ordering Logic

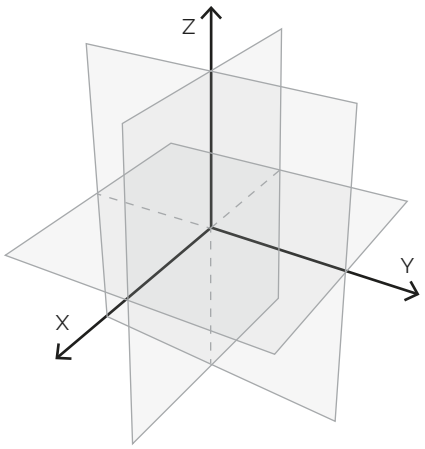
MOPTFLEX-2X-PW

Series	Hub Connection[1]	Finish[2]
MOPTFLEX	2X	
	2X - Two-Way Hub	**Standard Powder Coat**
		PW - White
		PB - Black
		PS - Silver
		Premium
		RALXXXX - Powder Coat Gloss Finish
		Custom Powder Coat
		PO - Powder Other

Ordering Notes

1. Hub can bend 0° to 180°.
2. See page 3 for standard and premium options.

Plane Image



STARTEK Architectural Lighting
899 E. Park Avenue, Libertyville, Illinois 60048
877-782-7835

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

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. Two drivers are required per direct/indirect 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

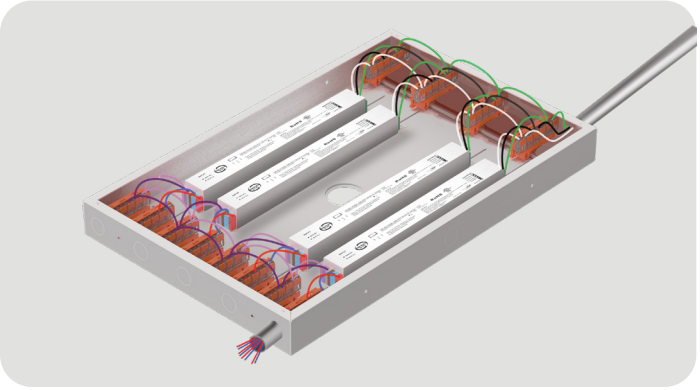
Reference chart for recommended maximum lengths of low voltage cable ran from Hyper Drive to fixture.

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

Configurations

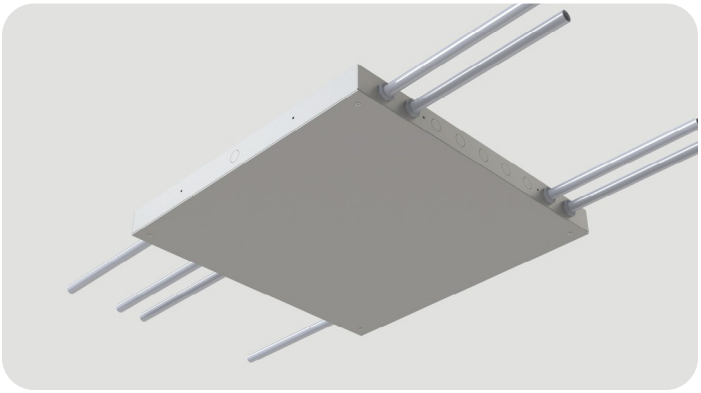
M4 Configuration *(Shown without front cover)*

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.



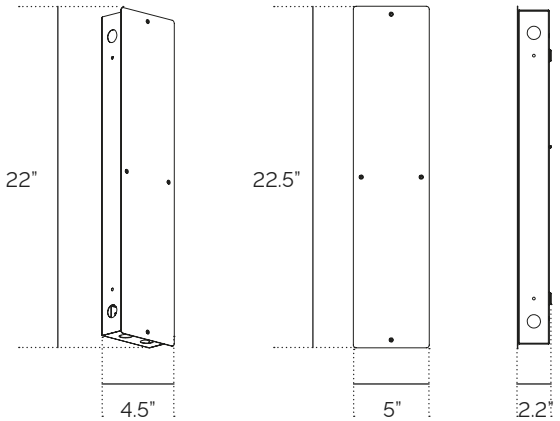
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Hyper Drive Remote Power System

SX (Small Hyper Drive Remote Canopy)

190W / 2 Drivers Max.

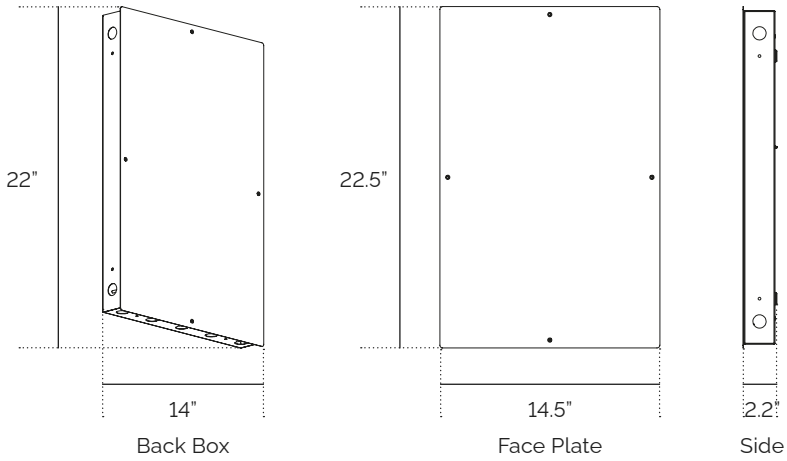
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 2 (190W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x6)
Battery	Available



MX (Medium Hyper Drive Remote Canopy)

300W / 4 Drivers Max.

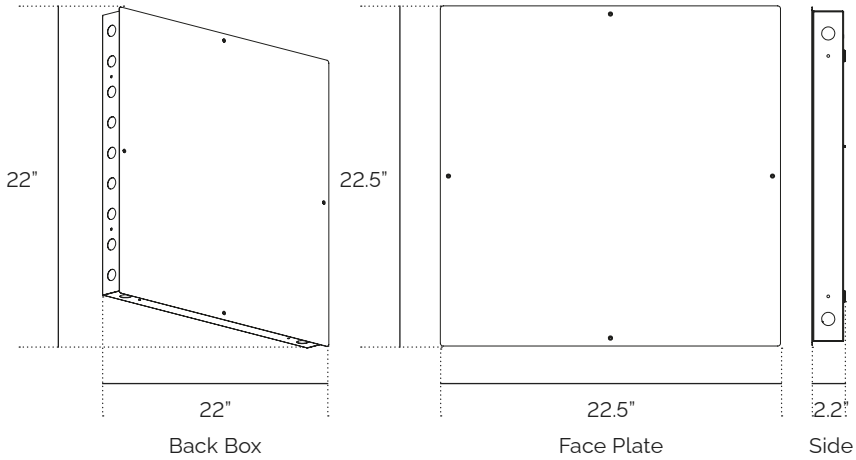
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 4 (300W max)
Max. Remote Distance	Up to 150' (45m)
Knockouts	0.5" (x12)
Battery	Available



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

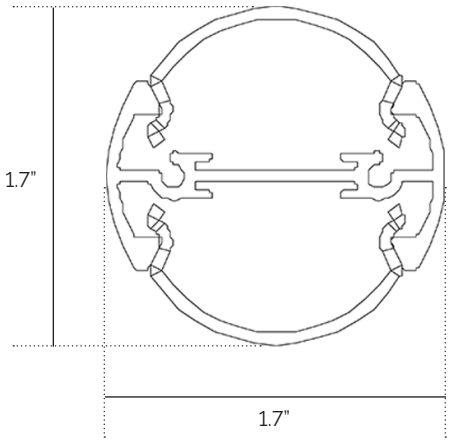


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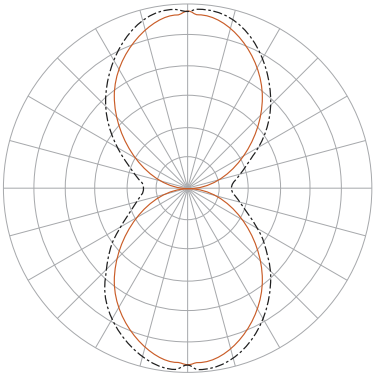
Micro Optimo Flex Suspended

Direct / Indirect

Dimensions



Distribution



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

Finishes

Standard



PW: White



PB: Black



PS: Silver

Premium Stock



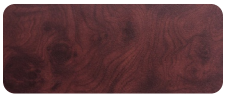
PSF001: Wood 1



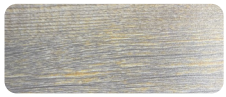
PSF002: Wood 2



PSF003: Wood 3



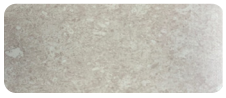
PSF004: Wood 4



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.

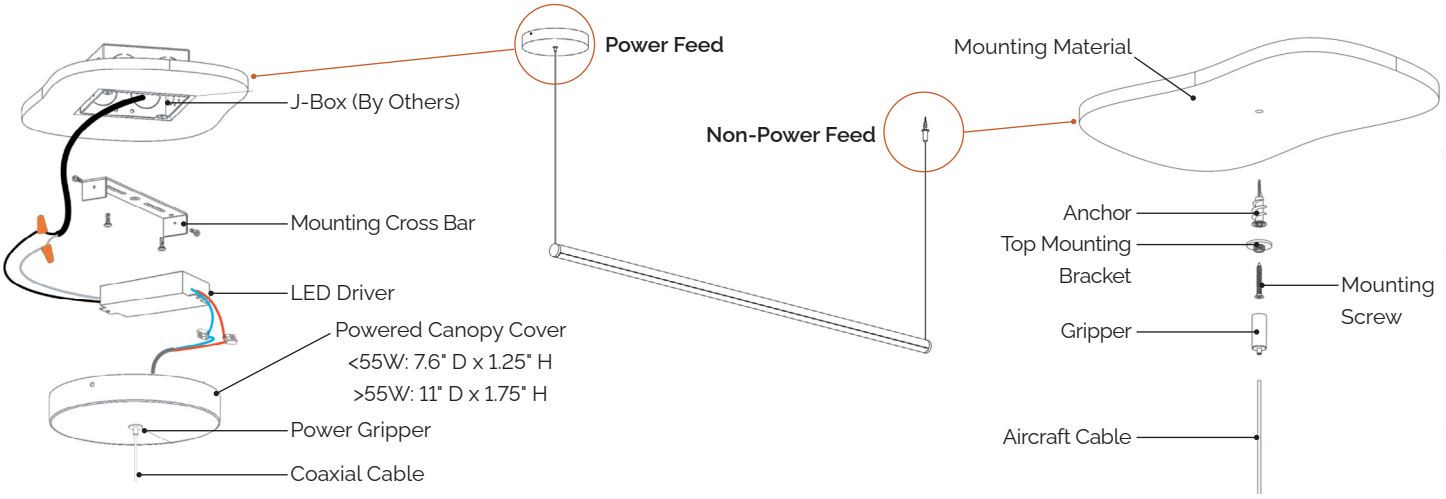
All other custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.

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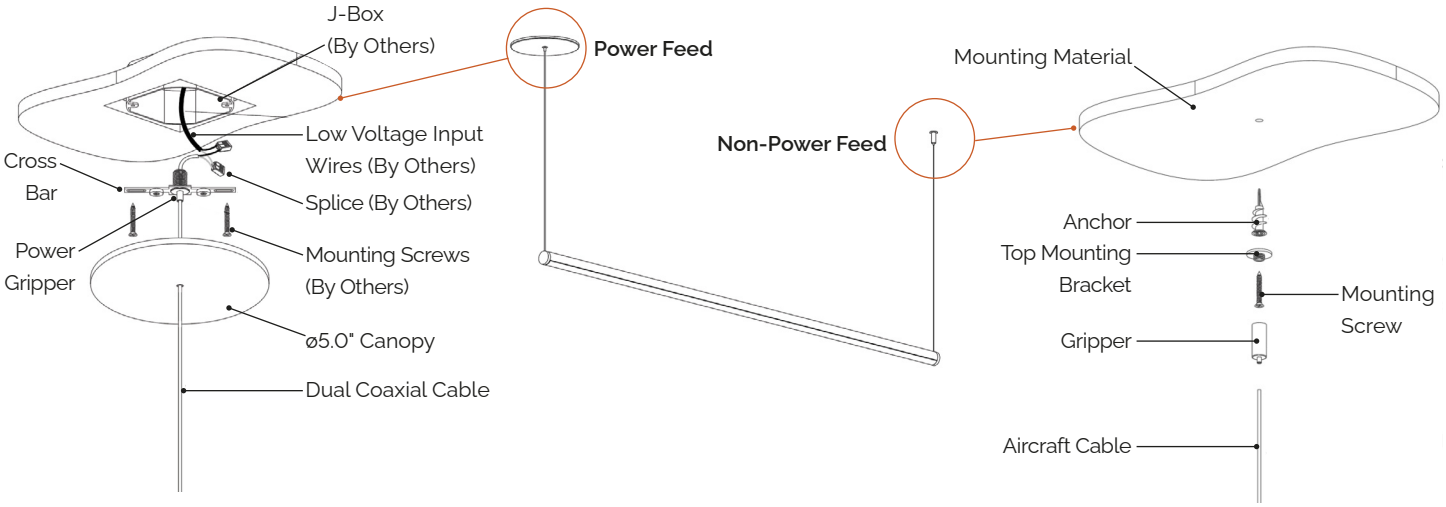
Mounting

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)



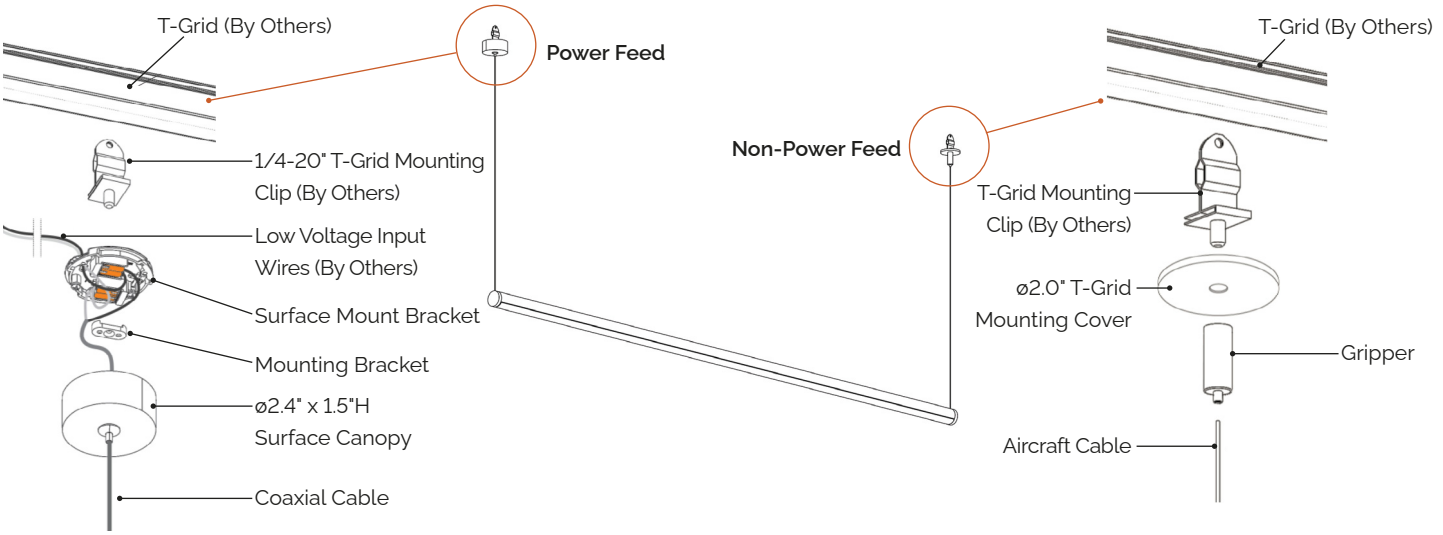
CRX (Canopy Recessed) Requires Hyper Drive



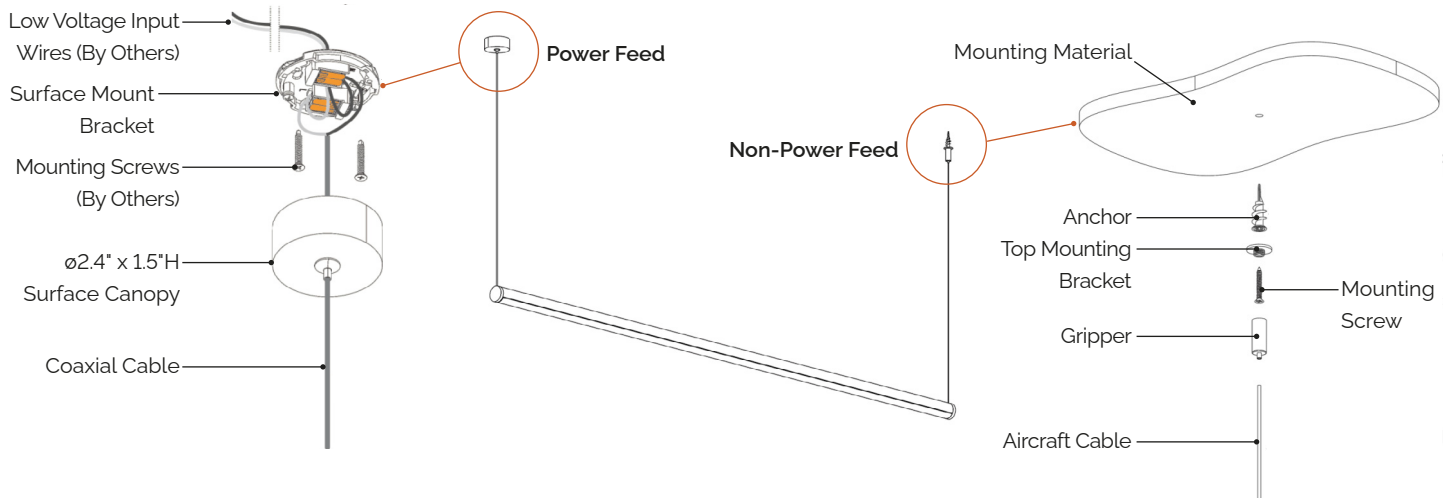
Mounting

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.

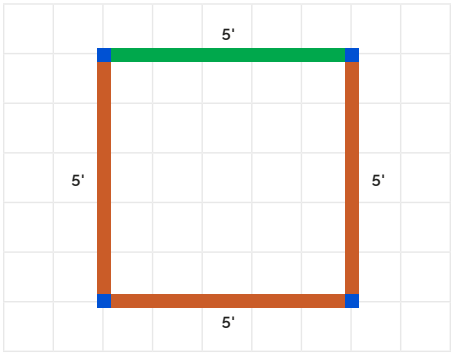
Refer to the run chart for standard run configurations on linear lengths. Consult factory for custom configurations.
Use the order guide to create your BOM for you configuration.

Submit this worksheet along with your order.

Example 1

Qty.	Type
1	MOPTFLEX-5S-X-350-350-SD-35K-80-PW-PCW-HDO1
3	MOPTFLEX-5M-X-350-350-SD-35K-80-PW-PCW-HDO1
4	MOPTFLEX-2X-PW

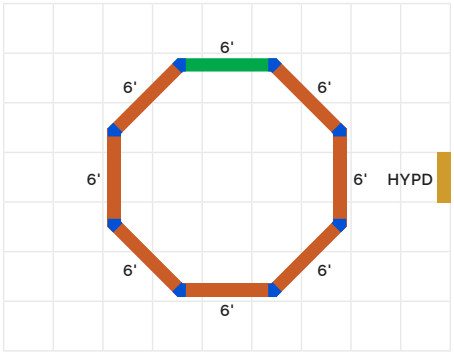
Example 1 Configuration



Example 2

Qty.	Type
1	MOPTFLEX-6S-X-500-500-SD-35K-80-PW-CRW-HDO1
7	MOPTFLEX-6M-X-500-500-SD-35K-80-PW-CRW-HDO1
8	MOPTFLEX-2X-PW
1	HYPD-L8-NB-PW-U-DTZ-HDO1

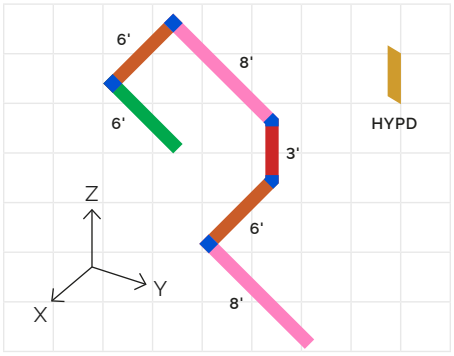
Example 2 Configuration



Example 3

Qty.	Type
1	MOPTFLEX-6S-Y-350-350-SD-35K-80-PW-CSW-HDO1
2	MOPTFLEX-6M-X-350-350-SD-35K-80-PW-CSW-HDO1
1	MOPTFLEX-3M-Z-350-350-SD-35K-80-PW-CSW-HDO1
2	MOPTFLEX-8M-Y-350-350-SD-35K-80-PW-CSW-E1-HDO1
5	MOPTFLEX-2X-PW
1	HYPD-L6-2EMB10-PW-U-DTZ-HDO1

Example 3 Configuration



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Submit With Order

Bill of Materials Guide

Order Guide

Qty.	Type

Qty.	Type