STARTEK
LIGHTING AMERICA

| Type:	
Project:	
REP/Agent:	
Order #:	

MICRO BEAM DIRECT

DIMENSIONS

1.3"

1.3"
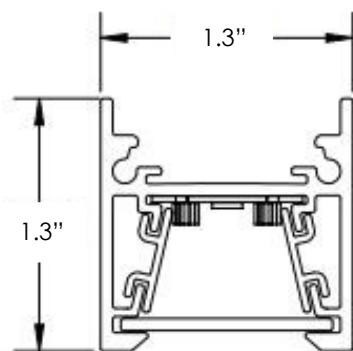
FEATURES

- ★ Soft diffused direct illumination in a sleek modern minimalist style.
- ★ Thermally efficient extruded aluminum single piece housing
- ★ 4' and 8' individual units, or custom lengths
- ★ Toolless height adjustment at the ceiling
- ★ Efficacy up to 115 lm/W
- ★ Textured powder coat finishes available in white, black, and silver
- ★ Premium finishes also available
- ★ Approved for dry and damp locations
- ★ 0-10v dimming is standard
- ★ Dim to 1% of output current is standard
- ★ 90 CRI (R9 50 min) available
- ★ 5 year system warranty
- ★ Class 2 input for luminaire
- ★ Three power choices of Hyperdrive remote power system

DISTRIBUTION
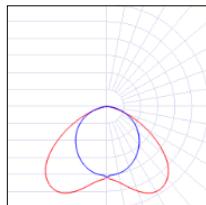
WD= Wide Diffuse

LUMEN PACKAGES
Based on 3500K CCT. Other CCT available.

MODEL	LUMENS	INPUT WATTS	Lm/W
MBEAMD-4-750-SD-35K-80	3000	34	98
MBEAMD-8-750-SD-35K-80	6000	54	110

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MICRO BEAM DIRECT

MBEAMD					
SERIES	**LENGTH**	**LUMENS PER FOOT**	**DISTRIBUTION**	**CCT**	**CRI**
MBEAMD	**4**= 4FT **8**= 8FT **xx**= Custom length **Sxx**= Symmetric Run Length **_x_RECT**= Rectangle **_x_L**= L-Shape **_x_H=** Hexagon **_x_x_U**= U-Shape	**350**= 350 LPF **500**= 500 LPF **750**= 750 LPF **1000**= 1000 LPF **xx**= Custom LPF	**SD**= SatinIce Diffuse **WD**= Wide Diffuse	**30K**= 3000K **35K**= 3500K **40K**= 4000K **50K**= 5000K	**80**= 80 **90**= 90 *(R9 50 min)*

FINISH	**MOUNTING** (See Page 6-8 for Options)	**ELECTRICAL**
STANDARD **PW**= Powder Coat White **PB**= Powder Coat Black **PS**= Powder Coat Silver **PREMIUM** **PSFx**= Premium Stock Finish **RALxxxx**= Powder Coat 　　　*RALxxxx* **CUSTOM** **PO**= Powder Coat Other* See pg. 10 for standard and premium options.	**POWERED CANOPY** (Driver included, 120-277V)[3] **PCW**= Powered Canopy White **PCB**= Powered Canopy Black **CANOPY RECESSED** **CRW**= Canopy Recessed White **CRB**= Canopy Recessed Black **CANOPY T-GRID** **CTW**= Canopy T-Grid White **CTB**= Canopy T-Grid Black **CANOPY SURFACE** **CSW**= Canopy Surface White **CSB**= Canopy Surface Black ***Items in grey box require Hyperdrive Remote Driver***	**1C**= Single Circuit

REMOTE OPTIONS	**HYPERDRIVE CIRCUIT**
Ex= EM Battery designated fixture (Ordered with Hyperdrive) 　　Replace X with battery Qty. 　　Not available with Powered Canopy, Consult factory	**HDxx**= HyperDrive Circuit Not required for the Powered Canopy configuration

[1] *Requires Hyperdrive Remote Driver*
[2] *Tunable White Driver must be specified*
[3] *50W Max. Dual driver required*

EXAMPLE: MBEAM-4-750-SD-35K-80-PW-CSW-HD01

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Type:	
Project:	
REP/Agent:	
Order #:	

HYPER DRIVE REMOTE POWER SYSTEM

HYPD				
SERIES	**SIZE / DRIVER QTY**	**EMERGENCY BATTERY (OPTIONAL)**	**MOUNTING**	**FINISH**
HYPD	**Replace x with driver quantity** **Sx**= Small– up to two drivers (190W) **Mx**= Medium– up to four drivers (300W) **Lx**= Large– up to eight drivers (600W)	**Replace # with battery quantity** **NB**= No Emergency Battery **#EMB6**= 6W EM Battery (Iota/Bodine) **#EMB10**= 10W EM Battery (Iota/Bodine) **#FCEMB10**= 10W EM Battery (Factory Choice) *Note: Batteries are only available in Medium and Large enclosures. Each emergency battery reduces the driver quantity of the Hyper Drive.*	**S**= Surface/ Strut **R**= Recessed	**STANDARD** **PW**= Powder Coat White **PB**= Powder Coat Black **PREMIUM** **RALxxxx**= Power Coat RAL xxxx (Gloss Finish)

|		
VOLTAGE	**OPTIONS**	**HYPERDRIVE CIRCUIT**
U= 120-277	**SPECIALTY DRIVERS** *(Standard driver is 0-10V, dim to 1% output current)* **DT1**= eldoLED EcoDrive Dim to 1% (0-10V) **DTZ**= eldoLED SoloDrive Dim to 0.1% (0-10V) **PSRD**= Signify 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) *Consult factory for additional driver options* *Note: Specialty driver options are not available with the small power-box option, with the exception of TW-A* **SENSORS** *Consult factory for options* **OTHERS** **CP**= Chicago Plenum (CCEA)	**HDxx**= HyperDrive Circuit

EXAMPLE: HYPD-L8-NB-R-PW-DTZ-HD01

NOTES & LIMITATIONS

Consult factory for custom configurations and drivers not listed.

L8 configuration shown (shown with front cover removed)

Each driver is provided with a terminal block on both input and output side for ease of wiring and installation.
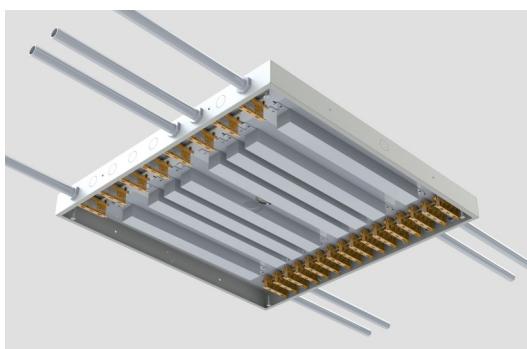
HYPERDRIVE REMOTE POWER SYSTEM

Sx (Small Hyper Drive Remote Canopy)

Surface Mount

7.5
7.5
1.7

KNOCKOUT FOR
1/2" ELECTRICAL CONNECTOR
9 PLACES

HOLES FOR #10
MOUNTING SCREWS

6.0
6.0
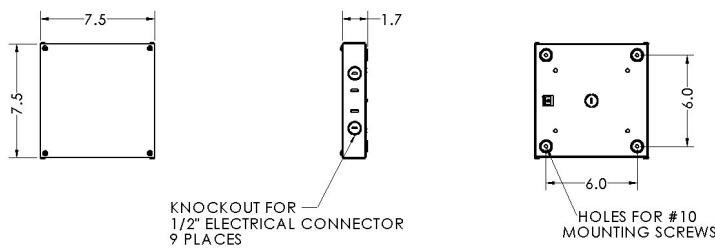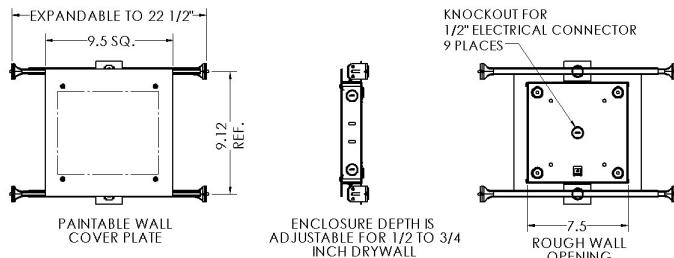
Driver Form Factor	Compact
Input Rating	120-277V
Outputs	Up to 2 (190W max)
Max Remote Distance	Up to 100' (30.5m)
Knockouts	(9) 1/2"
Battery	Not Available

Recessed Mount

EXPANDABLE TO 22 1/2"
9.5 SQ.
9.12 REF.

PAINTABLE WALL
COVER PLATE

ENCLOSURE DEPTH IS
ADJUSTABLE FOR 1/2 TO 3/4
INCH DRYWALL

KNOCKOUT FOR
1/2" ELECTRICAL CONNECTOR
9 PLACES

7.5

ROUGH WALL
OPENING

Mx (Medium Hyper Drive Remote Canopy)

Surface Mount

16"
24"
2.2"

Recessed Mount

14.5"
22.5"

Paintable cover plate
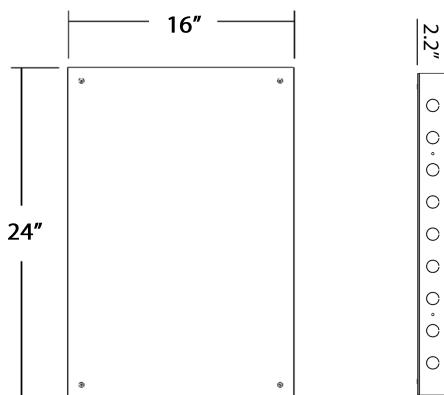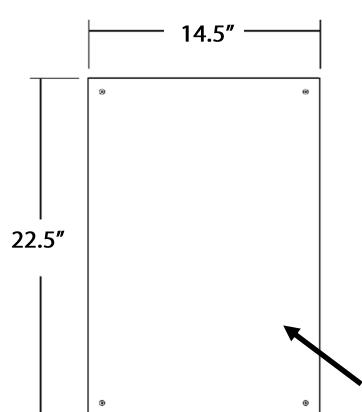
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 4 (300W max)
Max Remote Distance	Up to 100' (30.5m)
Knockouts	(20) 1/2"
Battery	Available

Lx (Large Hyper Drive Remote Canopy)

Surface Mount

24"
24"
2.2"

Recessed Mount

22.5"
22.5"

Paintable cover plate
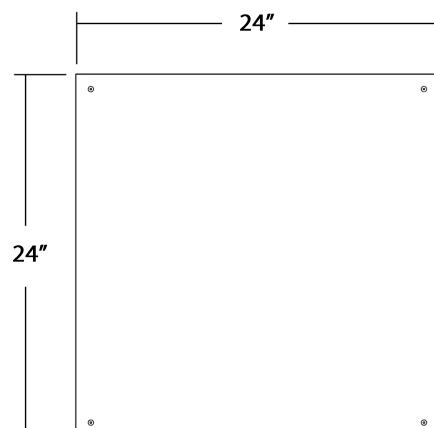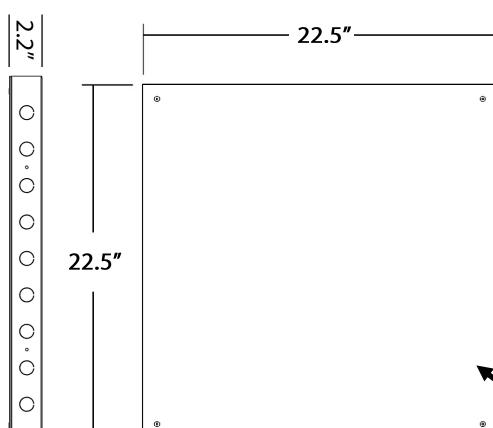
|	
Driver Form Factor	Linear
Input Rating	120-277V
Outputs	Up to 8 (600W max)
Max Remote Distance	Up to 100' (30.5m)
Knockouts	(20) 1/2"
Battery	Available

How to use this guide

Fill out the worksheet to specify your requirements for your configurations.
Be sure to callout 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 your configuration.

Submit the worksheet along with your order.

#1 Example Bill of Materials

Qty.	Type	
3	MBEAMD-8-750-SD-35K-80-PW-CSW-HD01	🟧
3	MBEAMD-4-750-SD-35K-80-PW-CSW-HD01	🟧
1	HYPD-L6-NB-R-PW-DTZ-HD01	🟧

#1 Example Configuration
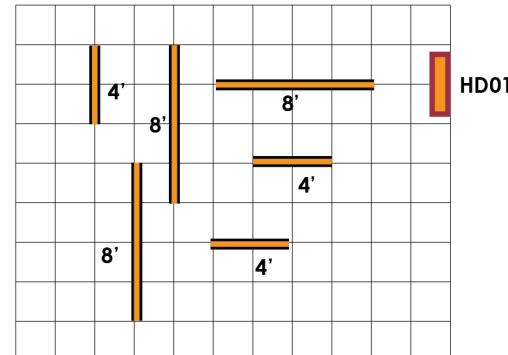
Note: Low Voltage Power transfer wire between fixture and
HyperDrive remote power system provided by others.

#2 Example Bill of Materials

| Qty.	Type	
3	MBEAMD-8-750-SD-35K-80-PW-CSW-HD01	🟧
2	MBEAMD-6-750-SD-35K-80-PW-CSW-HD01	🟧
1	MBEAMD-2-750-SD-35K-80-PW-CSW-HD01	🟧
1	MBEAMD-10-750-SD-35K-80-PW-CSW-HD01	🟧
1	MBEAMD-6-750-SD-35K-80-PW-CSW-E1-HD02	🟦
1	MBEAMD-10-750-SD-35K-80-PW-CSW-HD02	🟦
1	HYPD-L8-NB-R-PW-DTZ-HD01	🟧
1	HYPD-M3-1EMB6-R-PW-DTZ-HD02	🟦

#2 Example Configuration
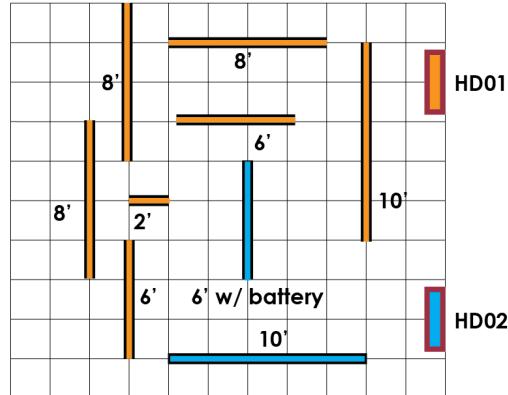
Note: Low Voltage Power transfer wire between fixture and
HyperDrive remote power system provided by others.

MICRO BEAM DIRECT

MOUNTING OPTIONS

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2' - 6' Fixtures require 1 Non-Feed Mount. Fixtures larger than 6' require 2 Non-Feed Mount.

PCx - Powered Canopy (Driver Included)

Power Feed

- Junction Box (by others)
- Mounting Cross Bar
- LED Driver
- Powered Canopy Cover
  (7.6"Dia. x 1.25"H) = Fixture Wattage < 55W
  (11"Dia. x 1.75"H) = Fixture Wattage > 55W
- Power Gripper
- Coaxial Cable

Non-Feed

- Mounting Material (Sheet Rock or Fire Rated Plywood or Eqv.)
- Anchor
- Top Mounting Bracket
- Mounting Screw
- Gripper
- Aircraft Cable
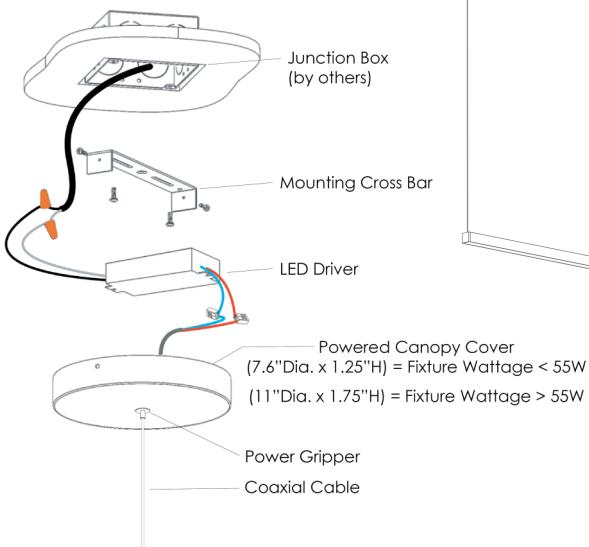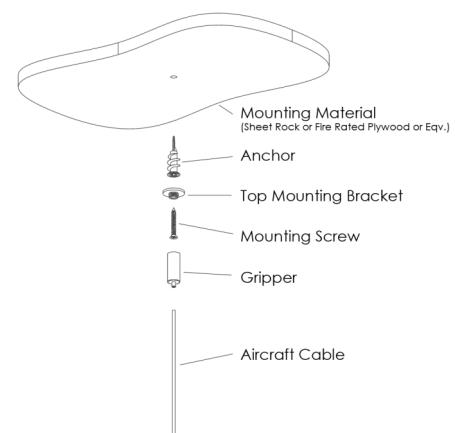
CRx - Canopy Recessed

Power Feed

- Junction Box (by others)
- Low Voltage Input Wires (by others)
- Splice (by others)
- Cross Bar
- Power Gripper
- Mounting Screw (by others)
- Canopy (5.0" Dia.)
- Coaxial Cable

Non-Feed

- Mounting Material (Sheet Rock or Fire Rated Plywood or Eqv.)
- Anchor
- Top Mounting Bracket
- Mounting Screw
- Gripper
- Aircraft Cable

REQUIRES HYPERDRIVE

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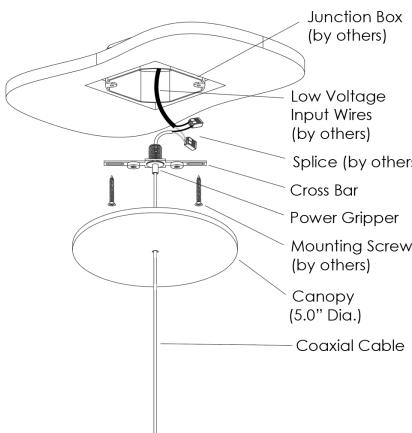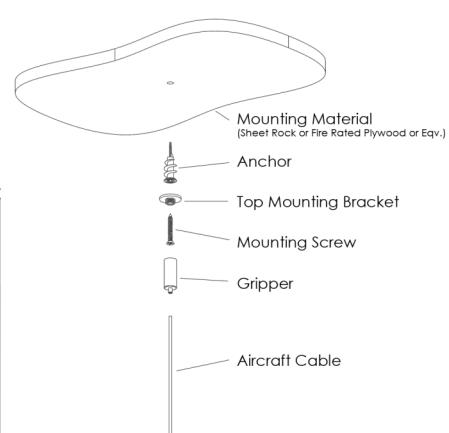
CTx - Canopy T-Grid

Power Feed

- T-Grid (by others)
- T-Grid Mounting Clip 1/4-20" (By Others)
- Low Voltage Power Input Wires (by others)
- Surface Mount Bracket
- Mounting Bracket
- Surface Canopy (2.4" Dia. x 1.5"H)
- Coaxial Cable

REQUIRES HYPERDRIVE

Non-Feed
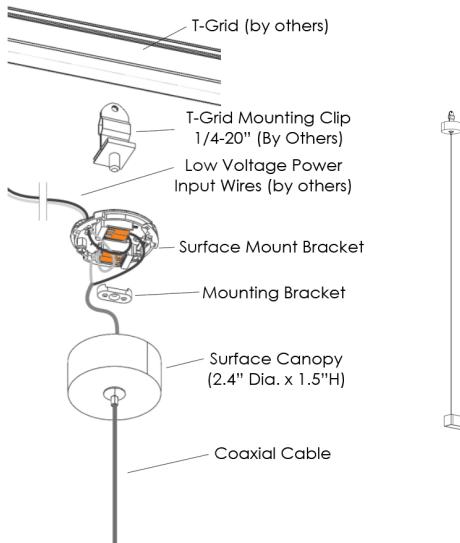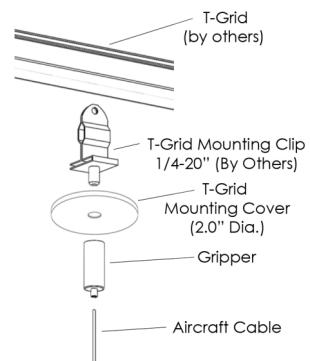
- T-Grid (by others)
- T-Grid Mounting Clip 1/4-20" (By Others)
- T-Grid Mounting Cover (2.0" Dia.)
- Gripper
- Aircraft Cable

CSx - Canopy Surface

Power Feed

- Low Voltage Power Input Wires (by others)
- Surface Mount Bracket
- Mounting Screw (by others)
- Surface Canopy (2.4" Dia. x 1.5"H)
- Coaxial Cable

REQUIRES HYPERDRIVE

Non-Feed

- Mounting Material (Sheet Rock or Fire Rated Plywood or Eqv.)
- Anchor
- Top Mounting Bracket
- Mounting Screw
- Gripper
- Aircraft Cable

MICRO BEAM DIRECT

JOINT SHAPE CONFIGURATION WITH CORNER HUBS:
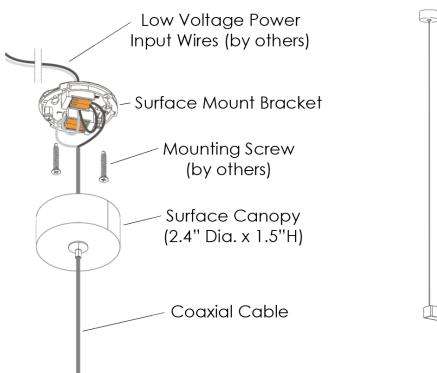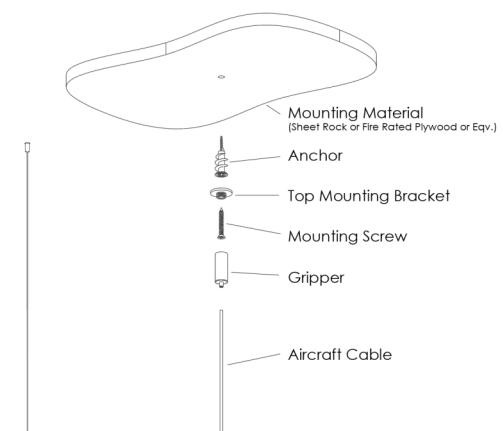
We provide joint configurations in the various shapes shown below.
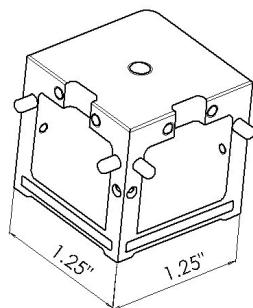
90 Degree Corner Hub
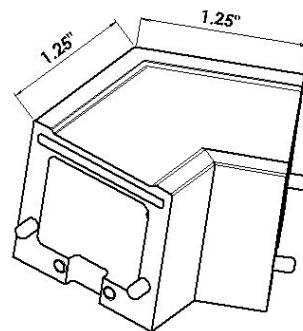
60 Degree Corner Hub

_x_RECT
Rectangle
Supply AxB dimensions

_x_L
L-Shape
Supply AxB dimensions

_x_x_U
U-Shape
Supply AxB dimensions
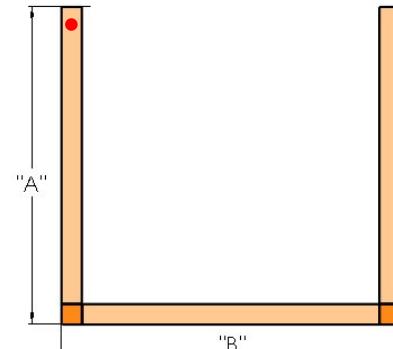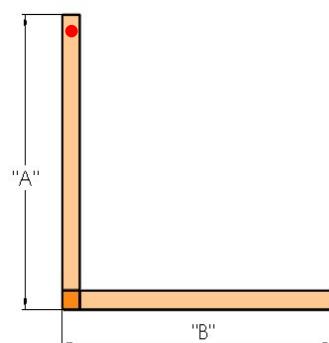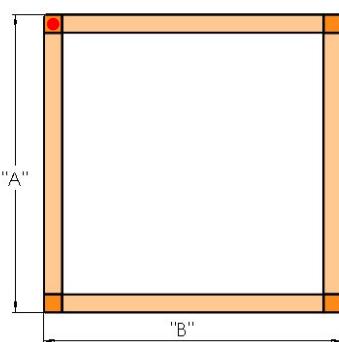
● = Power Location

_x_H
Hexagon
Supply AxB dimensions

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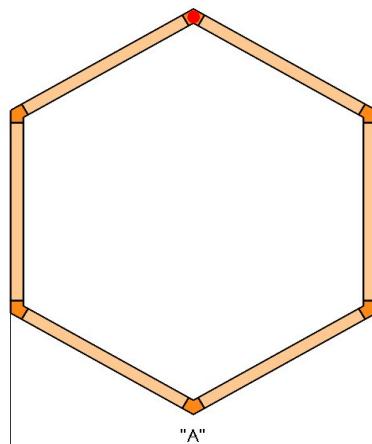
FINISHES

STANDARD FINISHES

WHITE MINI TEXTURE
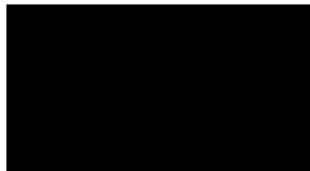
BLACK MINI TEXTURE

SILVER SPARKLE TEXTURE

## PREMIUM STOCK FINISHES

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 (METAL #1)

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.

MICRO BEAM DIRECT

SPECIFICATIONS

Housing

Nominal 1 1/4" x 1 1/4" square housing of continuous extruded 6063 T5 aluminum.

Color

Colors for the housing are available in a powder coated white, black, silver and woodgrain with end cap to match. Consult factory for custom colors.

Luminaire Length

4' or 8' lengths are available for a single stand-alone section.

End Caps

Machined Aluminum flat end caps are mechanically attached with no exposed fasteners to enhance architectural aesthetic and prevent light leak.

Source

Lumen packages are available in four color temperature options (3000K, 3500K, 4000K and 5000K) — all within 3 MacAdam ellipses.

Certification

RoHS (Restriction of Hazardous Substances) and Buy American Act compliant.

Battery

Lithium battery providing up to 780lm(6W) or up to 1300lm(10W) for 90 minutes. UL924 listed. Class 2 compliant. Meets Title 20 CEC (California Energy Commission) efficiency standards. Requires Hyperdrive medium or large as well as Test/ Status switch is located on "HyperDrive"

Environment

Suitable for dry and damp locations.

Operating temp.:   -40°C to +50°C

-40°F to +122°F

Dimming Driver

UL listed, class P (0-10V) dimming driver with programmable current for configurable fixture lumen outputs.

2.5 Kv overcurrent protection

Power factor >.9

Packaging

Sustainably manufactured outside cardboard box and biodegradable, protective poly-foam luminaire inserts.

COMPANION PRODUCTS

Micro Beam Direct/Indirect
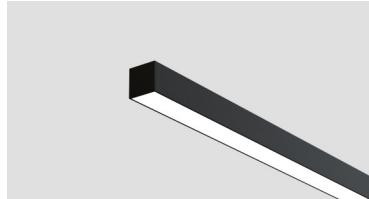
WARRANTY

5-year limited warranty. Complete warranty terms can be located at:

http://www.starteklightingamerica.com/images/pdf/warranty/Beam_Series_Warranty.pdf

Note: Actual performance may differ as a result of installation environment and final application.
All values are design or typical values, measured under laboratory conditions, at 25°C (77°F) .