# RECESSED MICRO BEAM





## FEATURES

★ Soft diffused direct illumination in a sleek, modern, minimalist style

★ Continuous lensing standard– runs up to 150'

★ Extruded aluminum single piece housing

★ 2', 4', 6' and 8' individual units, or continuous rows

★ Light levels can be set to any combination at the factory

★ 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

★ 120-277V power enclosure

★ Three power choices of Hyperdrive remote power system

★ 90 CRI (R9 50 min) available

★ 5 year system warranty

★ Class 2 input for luminaire

## DISTRIBUTION



SD= SatinIce Diffuse

## DIMENSIONS


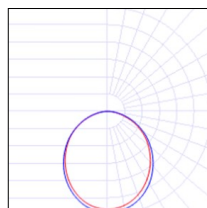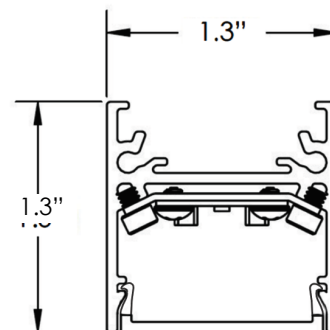
1.3"

1.3"

![STARTEK LIGHTING AMERICA]

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

# RECESSED MICRO BEAM

| RMBEAM | | | | | |
|---|---|---|---|---|---|
| **SERIES** | **LENGTH** | **LUMENS/FOOT** | **DISTRIBUTION** | **CCT** | **CRI** |
| **RMBEAM** | **xx**= Run Length<br>**Sxx**= Symmetric Run Length<br>**_x_RECT**= Rectangle<br>**_x_L**= L-Shape<br>**_x_x_U**= U-Shape | **350**= 350 LPF<br>**500**= 500 LPF<br>**750**= 750 LPF<br>**1000**=1000 LPF<br>**XXX**= Custom LPF | **SD**= SatinIce Diffuse | **27K**= 2700K<br>**30K**= 3000K<br>**35K**= 3500K<br>**40K**= 4000K<br>**50K**= 5000K | **80**= 80<br>**90**= 90<br>*(R9 50 min)* |

## FINISH

**STANDARD**
**PW**= Powder Coat White
**PB**= Powder Coat Black

**PREMIUM**
**RALxxxx**= Powder Coat
  RAL xxxx (Gloss Finish)

**CUSTOM**
**PO**= Powder Other

See pg. 10 for standard
and premium finishes.

## MOUNTING

**T-GRID**
**TBX**= 9/16" Grid
      15/16" Grid
      9/16" Grid
      15/16" Grid (Tegular Tile)
        *("TBX" covers all listed grid sizes)*

**COSMETIC BEZEL**
**CB**= Cosmetic Bezel (Screw/ Rod Mount)
**CBY**= Cosmetic Bezel (Yoke Mount)
*NOTE: Bezel color will match fixture color unless
otherwise specified, consult factory for options.

**SPACKLE FLANGE**
**SF**= Spackle Flange (Screw/ Rod Mount)
**SFY**= Spackle Flange (Yoke Mount)

**TRIMLESS**
**TR**= Trimless (Screw/ Rod Mount)

**\*Items in grey box require Hyperdrive Remote Driver\***

## REMOTE OPTIONS

**Ex**= EM Battery designated fixture (Ordered with Hyperdrive)
      Replace X with battery Qty.
      Not available with Powered Canopy, Consult factory

## HYPERDRIVE CIRCUIT

**HDxx**= HyperDrive Circuit
Not required for the Powered Canopy configuration

**EXAMPLE:    RMBEAM-04-750-SD-35K-90-PW-TBX-E1-HD01**

![StarTek Lighting America logo]

| 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**<br>**Sx**= Small– up to two drivers (190W)<br><br>**Mx**= Medium– up to four drivers (300W)<br><br>**Lx**= Large– up to eight drivers (600W) | **Replace # with battery quantity**<br>**NB**= No Emergency Battery<br>**#EMB6**= 6W EM Battery (Bodine)<br>**#EMB10**= 10W EM Battery (Bodine)<br>**#FCEMB10**= 10W EM Battery (Factory Choice)<br><br>*Note: Batteries are only available in Medium and Large enclosures. Each emergency battery reduces the driver quantity of the Hyper Drive.* | **S**= Surface/ Strut<br>**R**= Recessed | **STANDARD**<br>**PW**= Powder Coat White<br>**PB**= Powder Coat Black<br><br>**PREMIUM**<br>**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)*<br>**DT1**= eldoLED EcoDrive Dim to 1% (0-10V)<br>**DTZ**= eldoLED SoloDrive Dim to 0.1% (0-10V)<br>**PSRD**= Signify Sensor Ready (DALI) Driver<br>**LDE1**= Lutron Hi-Lume EcoSystem LED driver w/ Soft-on, Fade-to-Black<br>**TW-A**= Tunable White, 0-10v<br>**TW-EL**= eldoLED DUALdrive Tunable White (DALI)<br>*Consult factory for additional driver options*<br><br>*Note: Specialty driver options are not available with the small power-box option, with the exception of TW-A*<br><br>**SENSORS**<br>*Consult factory for options*<br><br>**OTHERS**<br>**CP**= Chicago Plenum (CCEA) | **HDxx**= HyperDrive Circuit |

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

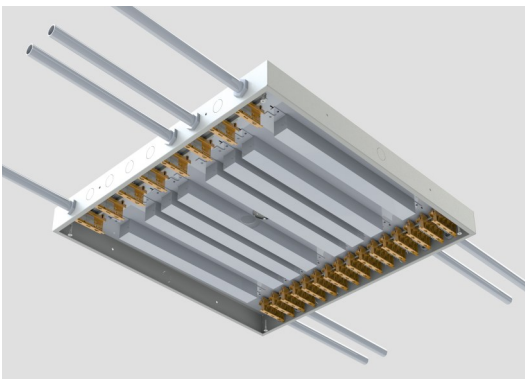## NOTES & LIMITATIONS

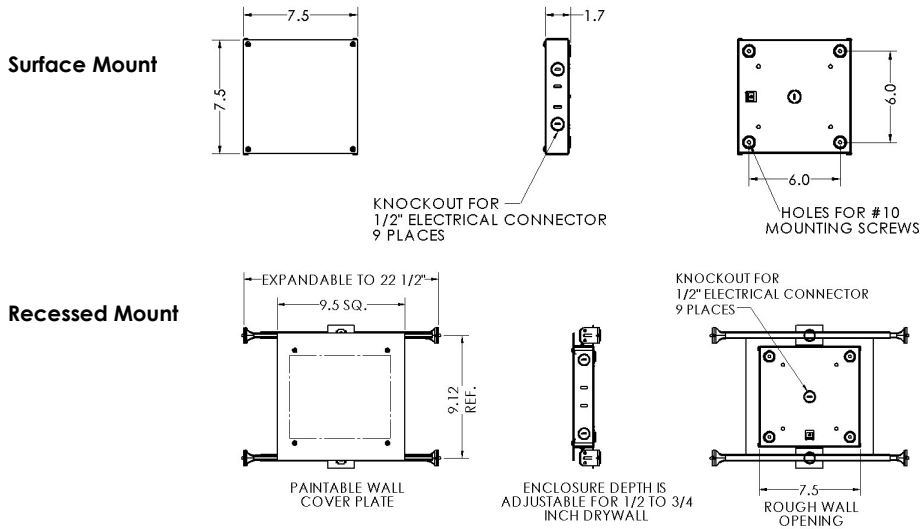One driver is required per direct only fixture (8' max length)

Consult factory for custom configurations and drivers not listed.

**L8 configuration shown** (shown with front cover removed)

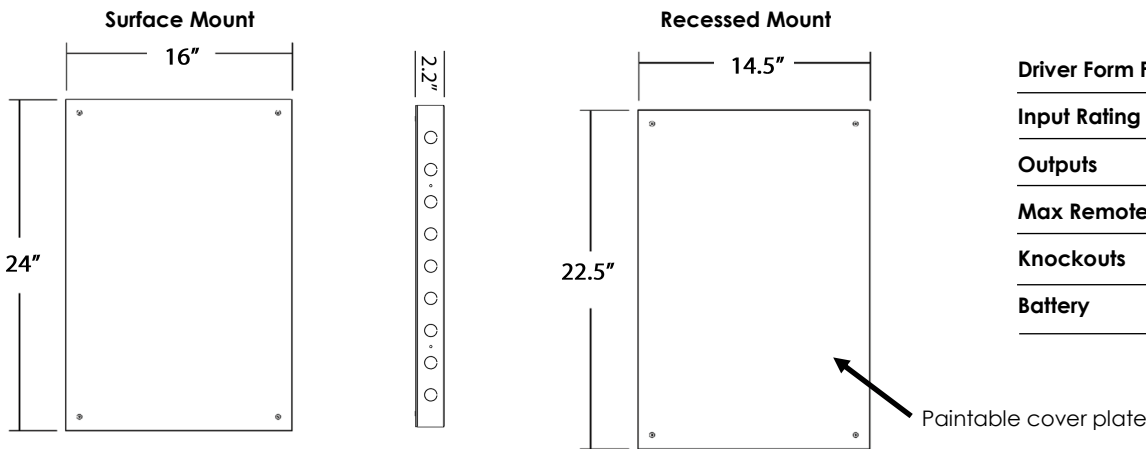Each driver is provided with a terminal block on both input and out put side for ease of wiring and installation.
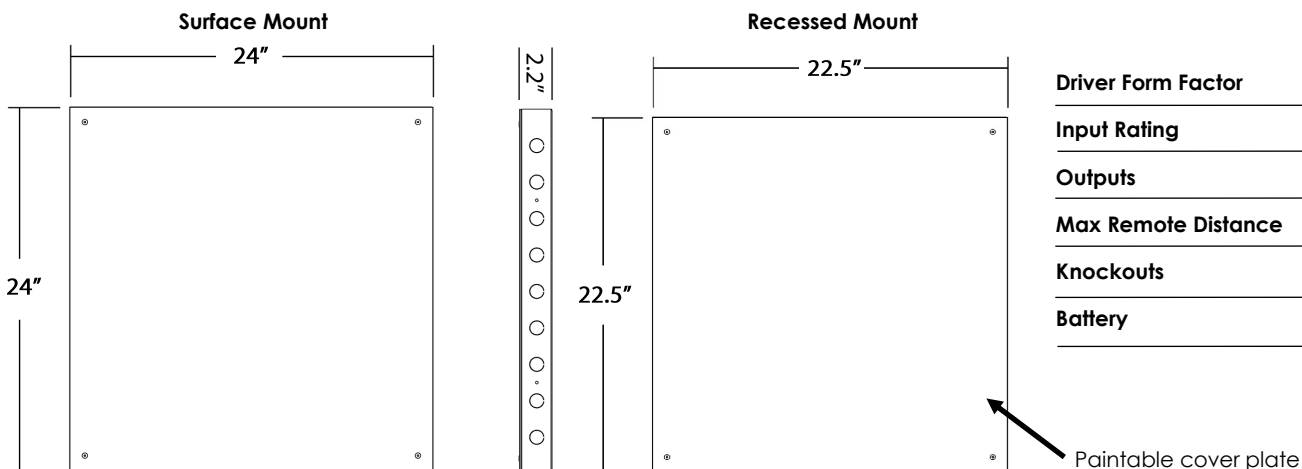
# HYPERDRIVE REMOTE POWER SYSTEM

**STARTEK**
LIGHTING AMERICA

## Sx (Small Hyper Drive Remote Canopy)

**Surface Mount**



7.5 × 7.5 · 1.7

KNOCKOUT FOR
1/2" ELECTRICAL CONNECTOR
9 PLACES

6.0 × 6.0

HOLES FOR #10
MOUNTING SCREWS

**Recessed Mount**



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

KNOCKOUT FOR
1/2" ELECTRICAL CONNECTOR
9 PLACES

PAINTABLE WALL
COVER PLATE

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

7.5

ROUGH WALL
OPENING

| | |
|---|---|
| **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 |

## 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.

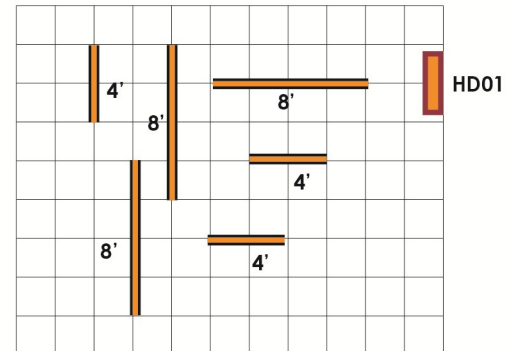Use the order guide to create your BOM for your configuration.

**Submit the worksheet along with your order.**

## #1 Example Bill of Materials

| Qty. | Type | |
|------|------|---|
| 3 | RMBEAM-04-750-SD-35K-90-PW-TBX-HD01 | ▬ |
| 3 | RMBEAM-08-750-SD-35K-90-PW-TBX-HD01 | ▬ |
| 1 | HYPD-L6-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 | RMBEAM-08-750-SD-35K-90-PW-TBX-HD01 | ▬ |
| 2 | RMBEAM-06-750-SD-35K-90-PW-TBX-HD01 | ▬ |
| 1 | RMBEAM-02-750-SD-35K-90-PW-TBX-HD01 | ▬ |
| 1 | RMBEAM-10-750-SD-35K-90-PW-TBX-HD01 | ▬ |
| 1 | RMBEAM-06-750-SD-35K-90-PW-TBX-E1-HD02 | ▬ |
| 1 | RMBEAM-10-750-SD-35K-90-PW-TBX-HD02 | ▬ |
| 1 | HYPD-L8-R-PW-DTZ-HD01 | ▬ |
| 1 | HYPD-M3-1EMB6-R-PW-DTZ-HD02 | ▬ |

## #2 Example Configuration
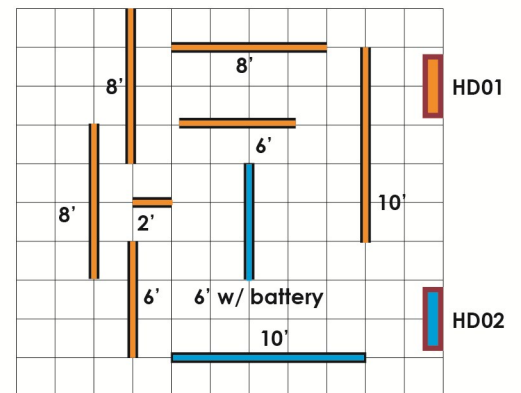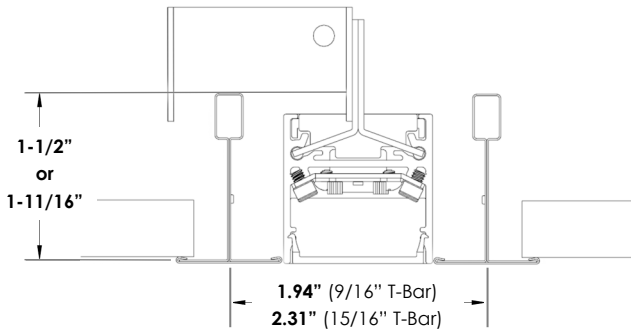


Note: Low Voltage Power transfer wire between fixture and HyperDrive remote power system provided by others.

Page 5 - R2.6 7/10/2025

# RECESSED MICRO BEAM

**MOUNTING OPTIONS**

**T-BAR/T-GRID Options - TBX**

**TBX Covers all Grid Sizes**

1-1/2"
or
1-11/16"

**1.94"** (9/16" T-Bar)
**2.31"** (15/16" T-Bar)

**REQUIRES HYPERDRIVE**

Tie to Structure
(by others)

Low Voltage Splice
(by others)
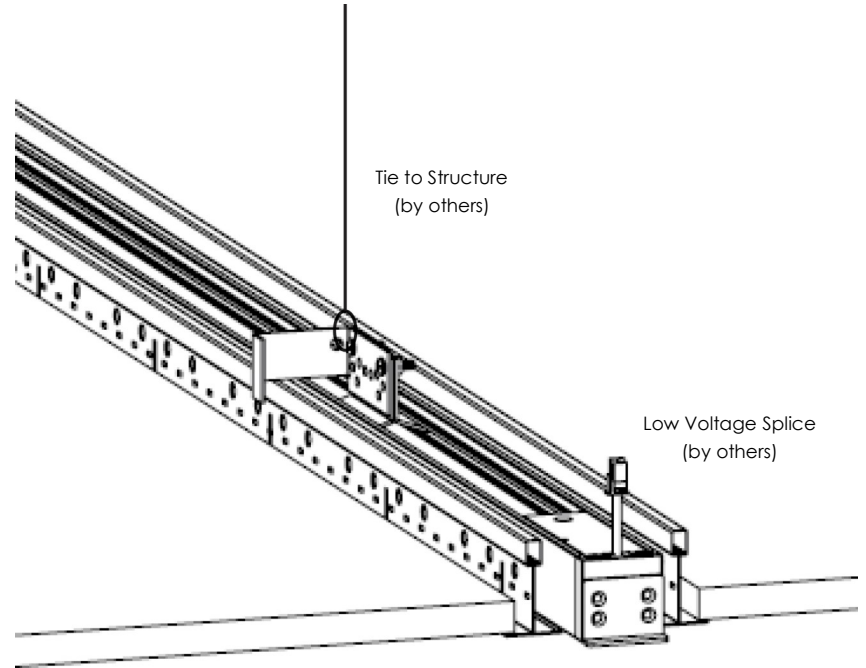
# RECESSED MICRO BEAM

**MOUNTING OPTIONS**



## Drywall Ceiling Mounting

Yoke bracket
Back Extrusion assembly
Mounting screw
PC LED Board mounting plate
Board mounting screw
Snap-in diffuser

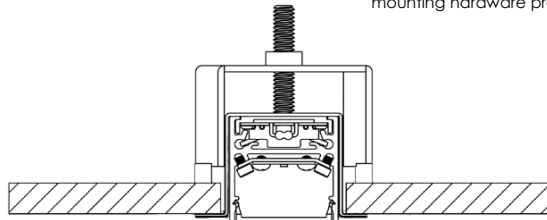Shown with Spackle flange
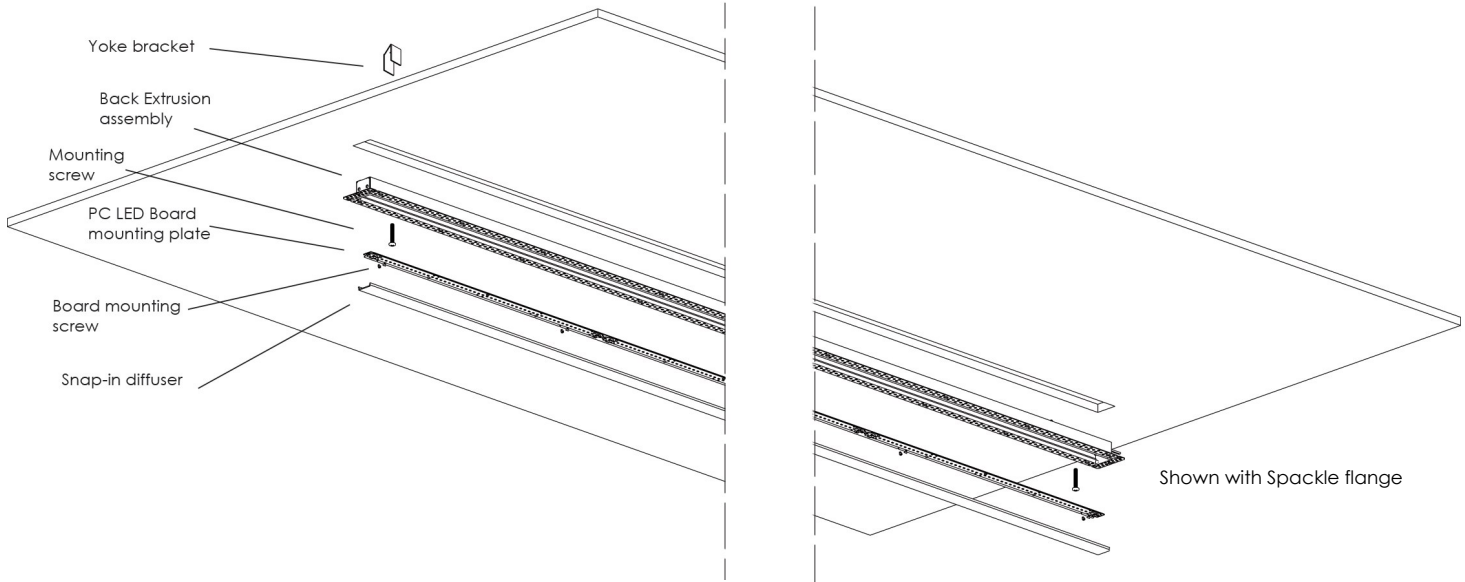
**REQUIRES HYPERDRIVE**

### CB - Cosmetic Bezel (Screw/ Rod Mount)
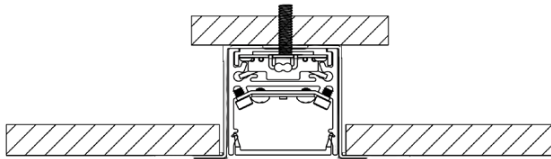


### CBY - Cosmetic Bezel (Yoke Mount)

Note: Fixture has to be mounted through the back of the extruded housing into structure, mounting hardware provided by others



### SF - Spackle Flange (Screw/ Rod Mount)



### SFY - Spackle Flange (Yoke Mount)
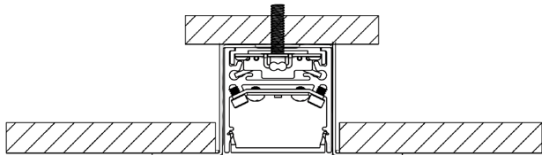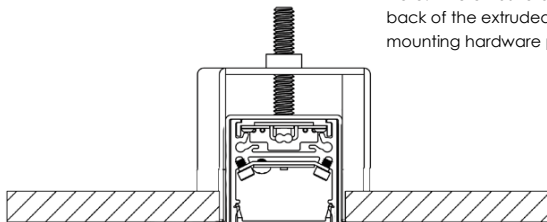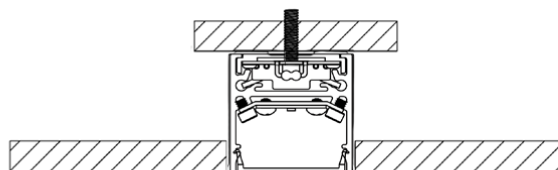
Note: Fixture has to be mounted through the back of the extruded housing into structure, mounting hardware provided by others



### TR - Trimless

Note: Fixture has to be mounted through the back of the extruded housing into structure, mounting

# RECESSED MICRO BEAM

**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.

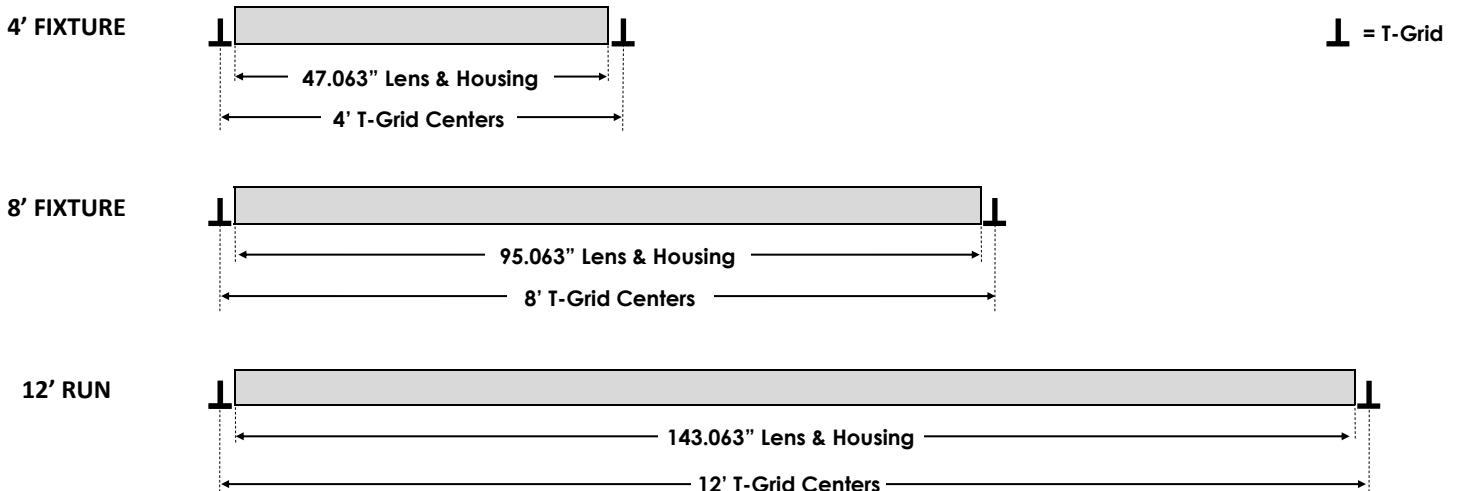| # of Sections | Total Length | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 2 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  | 1 |  |  |  |  | 1 | 1 | 1 | 1 |  |  |  |  | 1 | 1 | 1 | 1 |  |  |  |  | 1 | 1 | 1 | 1 |  |  |  |  | 1 | 1 | 1 | 1 |  |  |  |  |
| 5 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  |
| 6 |  |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |
| 7 |  |  |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | 1 |  |
| 8 |  |  |  |  |  |  | 1 |  |  |  | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 |

*NOTE: Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.*

## T-GRID LENS AND HOUSING LENGTHS

**Individual & Continuous Run**

The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 4). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. If a different configuration is needed to meet an aesthetic requirement, please indicate this on your P.O. when placing your order.

Examples of the standard construction of T-Grid configurations are as follows:
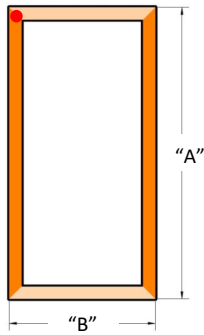
**4' FIXTURE**
47.063" Lens & Housing
4' T-Grid Centers

⊥ = T-Grid

**8' FIXTURE**
95.063" Lens & Housing
8' T-Grid Centers

**12' RUN**
143.063" Lens & Housing
12' T-Grid Centers

# RECESSED MICRO BEAM
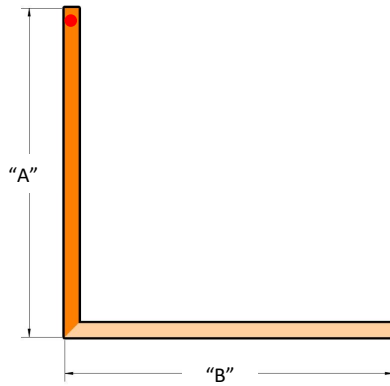
**STARTEK**
LIGHTING AMERICA

## SHAPE CONFIGURATION WITH MITER CUTS

Specify the configuration and overall dimensions. Note the overall dimension is for the fixture and does not include any mounting brackets or accessories. For the "L" shape, the standard construction is to build with as many 8' sections as possible or use the longest sections first and finish the shapes with a shorter length fixture if necessary.
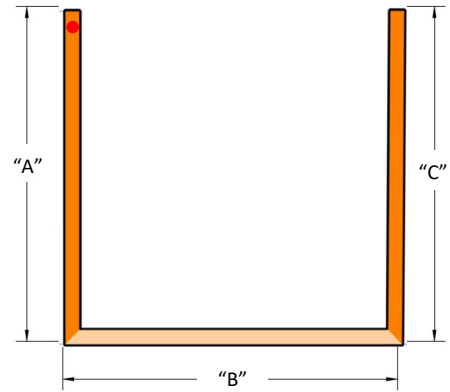
| _x_RECT |
|---|
| RECTANGLE |
| SUPPLY AxB DIMENSIONS |

| _x_L |
|---|
| L-SHAPE |
| SUPPLY AxB DIMENSIONS |

| _x_ x_U |
|---|
| U-Shape |
| Supply AxBxC dimensions |

● = Power Location

## PERFORMANCE

### RMBEAM-X-1000-SD (80+ CRI)

**Polar Candela Distribution**

- ■ - 0° H
- ■ - 90° H

| Model | Lumens | Watts | LPW |
|---|---|---|---|
| RMBEAM-4-1000-SD-27K-80-SM-U | 4000 | 45 | 88 |
| RMBEAM-4-1000-SD-30K-80-SM-U | 4000 | 43 | 93 |
| RMBEAM-4-1000-SD-35K-80-SM-U | 4000 | 40 | 98 |
| RMBEAM-4-1000-SD-40K-80-SM-U | 4000 | 40 | 100 |
| RMBEAM-4-1000-SD-50K-80-SM-U | 4000 | 39 | 101 |

| Model | Lumens | Watts | LPW |
|---|---|---|---|
| RMBEAM-8-1000-SD-27K-80-SM-U | 8000 | 86 | 92 |
| RMBEAM-8-1000-SD-30K-80-SM-U | 8000 | 82 | 97 |
| RMBEAM-8-1000-SD-35K-80-SM-U | 8000 | 78 | 102 |
| RMBEAM-8-1000-SD-40K-80-SM-U | 8000 | 76 | 104 |
| RMBEAM-8-1000-SD-50K-80-SM-U | 8000 | 76 | 105 |

### Zonal Lumen Summary

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0-30 | 1227.4 | 28.3% |
| 0-40 | 1984.3 | 45.8% |
| 0-60 | 3435.2 | 79.3% |
| 60-90 | 898.1 | 20.7% |
| 70-100 | 382.5 | 8.8% |
| 90-120 | 0 | 0% |
| 0-90 | 4333.3 | 100% |
| 90-180 | 0 | 0% |
| 0-180 | 4333.3 | 100% |

### Luminance Data (cd/sg.m)

| Angle in Degrees | Average 0-DEG | Average 45-Deg | Average 90-Deg |
|---|---|---|---|
| 45 | 38908 | 37508 | 36548 |
| 55 | 37012 | 35568 | 34838 |
| 65 | 34443 | 32866 | 31959 |
| 75 | 31102 | 29125 | 26942 |
| 85 | 27230 | 23857 | 19189 |

### Candela Distribution

| | 0 | 22.5 | 45 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 1615 | 1615 | 1615 | 1615 | 1615 |
| 5 | 1649 | 1617 | 1598 | 1589 | 1595 |
| 10 | 1626 | 1592 | 1573 | 1561 | 1565 |
| 15 | 1584 | 1549 | 1529 | 1515 | 1518 |
| 20 | 1524 | 1486 | 1470 | 1452 | 1453 |
| 25 | 1448 | 1413 | 1398 | 1377 | 1375 |
| 30 | 1361 | 1325 | 1312 | 1290 | 1285 |
| 35 | 1261 | 1227 | 1217 | 1194 | 1187 |
| 40 | 1152 | 1121 | 1113 | 1092 | 1086 |
| 45 | 1039 | 1008 | 1001 | 984 | 976 |
| 50 | 920 | 892 | 886 | 871 | 865 |
| 55 | 801 | 777 | 770 | 760 | 754 |
| 60 | 677 | 655 | 647 | 640 | 634 |
| 65 | 550 | 532 | 524 | 517 | 510 |
| 70 | 425 | 411 | 402 | 393 | 385 |
| 75 | 304 | 294 | 285 | 274 | 263 |
| 80 | 190 | 184 | 176 | 164 | 155 |
| 85 | 90 | 83 | 78 | 69 | 63 |
| 90 | 0 | 0 | 0 | 0 | 0 |

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## STANDARD FINISHES

WHITE MINI TEXTURE

BLACK MINI TEXTURE

SILVER SPARKLE TEXTURE

# RECESSED MICRO BEAM

**STARTEK**
LIGHTING AMERICA

## SPECIFICATIONS

### Housing
Nominal 1.3" x 1.3" x .06" thick 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
2', 4', 6' or 8' lengths are available for a single stand-alone section. Using internal joiners, these sections can be joined to form longer rows.

### 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
Intertek cETLus Listed. 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"

### Lensing
0.060" thick impact resistant acrylic lensing.

### Environment
Suitable for dry and damp locations.

Operating temp.:     -40°C to +50°C

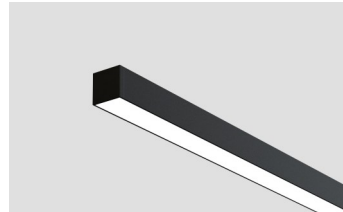                              -40°F to +122°F

### Dimming Driver
UL listed, class P (0-10V) dimming driver with programmable current for configurable fixture lumen outputs.
2.5 KV overcurrent protection
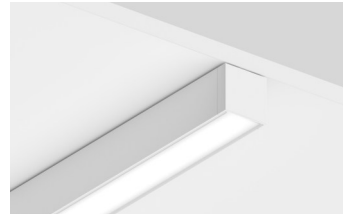Power factor >.9

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

## COMPANION PRODUCTS

Micro Beam Direct/Indirect



Micro Beam Surface Mount



## WARRANTY

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

http://www.starteklightingamerica.com/images/pdf/warranty/MicroBeam_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) .