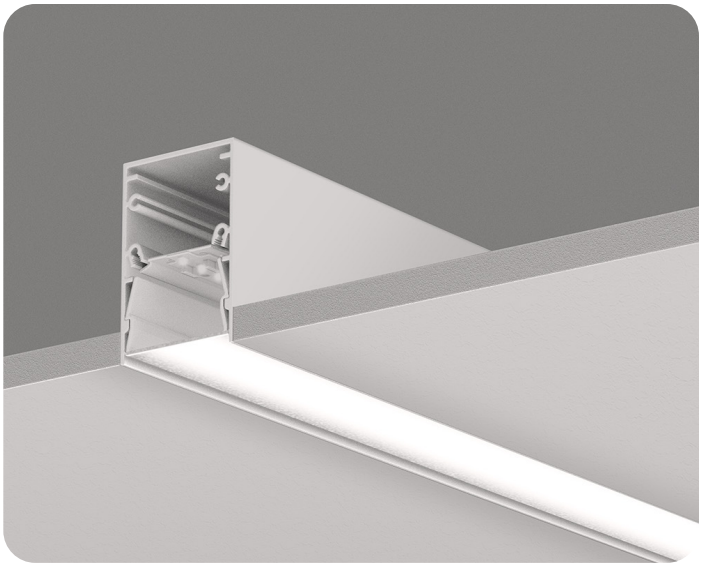
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Med Beam Recessed



Key Features

- Extruded aluminum single piece housing
- Anti-Microbial powder coat finishes standard
- 2', 4', 6' and 8' individual units or continuous rows
- Lumen levels can be factory set
- Soft diffuse direct lighting
- 0-10V dimming to 1% is standard
- Efficacy up to 130 lm/W

5 Year Warranty | BABA Compliant | BAA Compliant | Intertek | RoHS Compliant

Specifications

Construction

- Continuous extruded 6063 T5 aluminum

Dimensions

- Nominal dimensions: 3.0" x 2.0"
- Nominal thickness: 0.070"

Finish

- Anti-microbial powder coated
- Colors: White or Black
- Custom colors available. Consult factory for more information.

Luminaire Length

- Standard individual lengths: 2', 4', 6' or 8'
- Fixture and run lengths are available in 1/16" increments.
- Using internal joiners, sections can be joined to form longer, continuous rows.

Source

- CCT options: 2700K, 3000K, 3500K, 4000K, or 5000K
- Within 3 MacAdam ellipses
- 90 CRI (R9 50 min) available

Lensing

- 0.080" thick impact resistant acrylic lens

Operating Temperature

- -40°C to 45°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 1200 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Dimming (Integral) Driver

- eldoLED OPTOTRONIC (OTi) series is UL Class 2 with tunable output currents.
- Output current: 0-10V, dim to 1%

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)
- IC rated
- Chicago Plenum available
- JA8 compliant
- 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

MDBEAM-40-750-SD-35K-80-PW-CB-T-U-1C-1EMB10

Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
MDBEAM					
	XX - Run Length	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**27K -** 2700K	**80 -** 80 CRI
	SXX - Symmetrical Run Length	**500 -** 500 LPF	**ARF -** Asymmetric Room Fill	**30K -** 3000K	**90 -** 90 CRI (R9 50 min)
		750 - 750 LPF		**35K -** 3500K	
		1000 - 1000 LPF		**40K -** 4000K	
		XXX - Custom LPF		**50K -** 5000K	

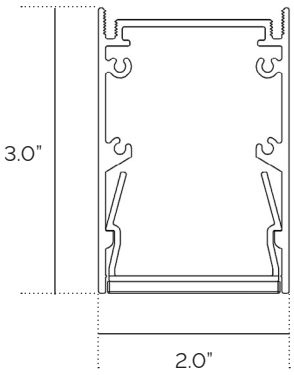
Finish[2]	Mounting	Power Entry	Voltage	Circuiting	Emergency
		T	U		
Standard Anti-Microbial Powder Coat	**Cosmetic Bezel[3]**	**T -** Top Feed	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None
PWM - White	**CB -** Screw/Rod Mount			**MC -** Multiple Circuits[4, 5]	**EC -** Emergency Circuit[8]
PBM - Black	**CBY -** Yoke Mount			**DL -** Daylight Control[4, 6]	**#EMB6 -** 6W EM Battery[9, 10]
	Spackle Flange			**NL -** Night Lights[4, 7]	**#EMB10 -** 10W EM Battery[9, 10]
	SF - Screw/Rod Mount				**#GTD -** Generator Transfer Device w/ ALCR[11]
	SFY - Yoke Mount				
	Trimless				

Options
SRG - Surge Protector
RIF - Radio Frequency Interference Filter

Ordering Notes

1. 200 LPF min. output / 1500 LPF max. output.
2. See page 3 for standard options.
3. Bezel color will match fixture color unless otherwise specified, consult factory for options.
4. Customer to specify number of zones and locations through factory submittal drawings.
5. Multiple low and line control zones.
6. Multiple low voltage control zones for daylight control.
7. Multiple unswitched wires for night light control zones.
8. Separate power, transfer devices provided by others.
9. '#' indicates number per run.
10. Provided by Iota/Bodine.
11. Iota EDS-DR Emergency Control Device

Dimensions



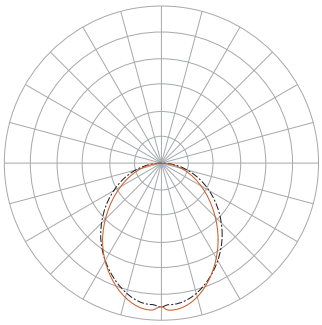
Finishes

Anti-Microbial Powder Coat

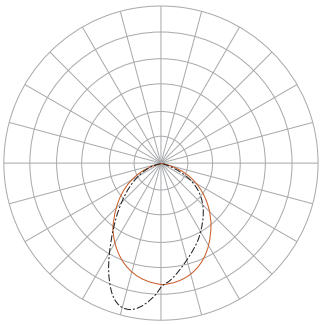
PWM: White

PBM: Black

Distribution



Direct: Satinlce Diffuse (SD)

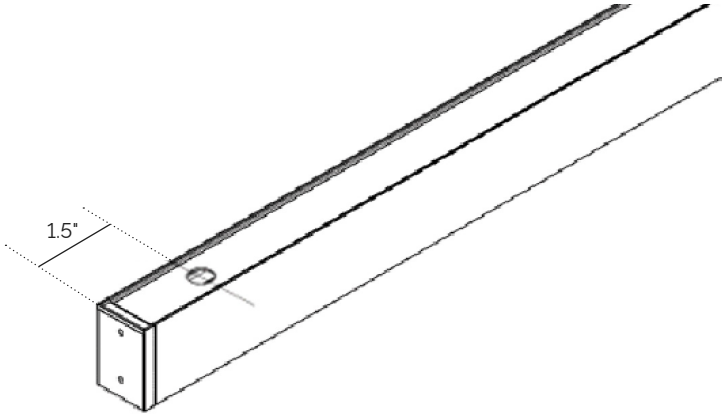


Direct: Asymmetric Room Fill (ARF)

Power Entry

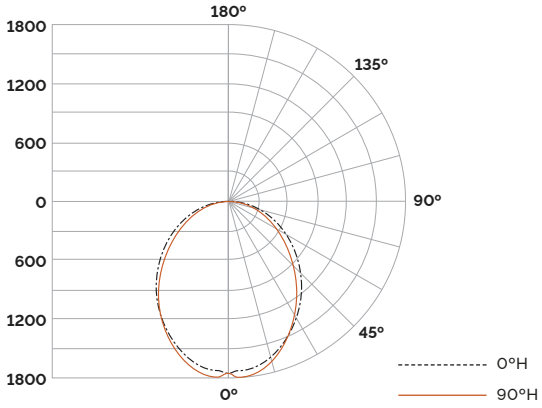
T (Top Feed)

Power to be fed through one (1) 7/8" hole created in the top—SM(T). Hole can accommodate 1/2" conduit. Lighting fixture is to be wired with UL listed wet location fittings per NEC requirements, supplied by others.



Performance

MDBEAM-X-1000-SD (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	3000	37	107
	8'	6000	68	117
3500K	4'	3000	36	110
	8'	6000	67	120
4000K	4'	3000	36	112
	8'	6000	66	122
5000K	4'	3000	35	115
	8'	6000	64	125

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

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

SXX (Symmetric Run)

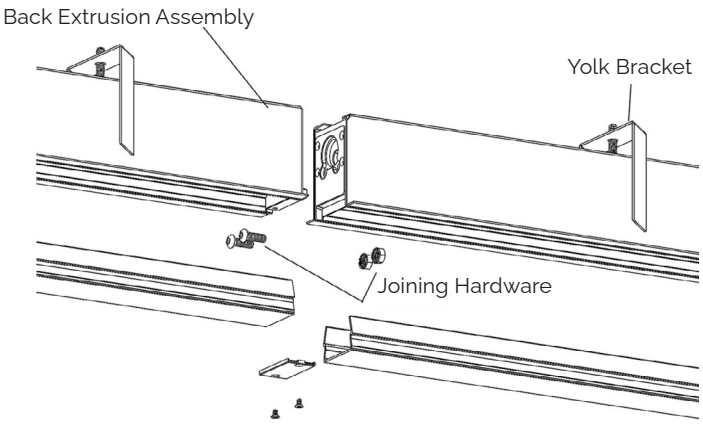
The construction of SXX (y') is to build with equal length fixtures. The xx indicates the run length. The y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

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

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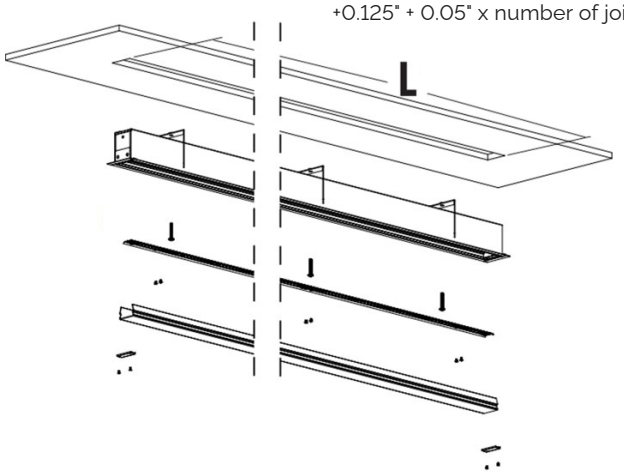
Row Configurations

Continuous Run Details

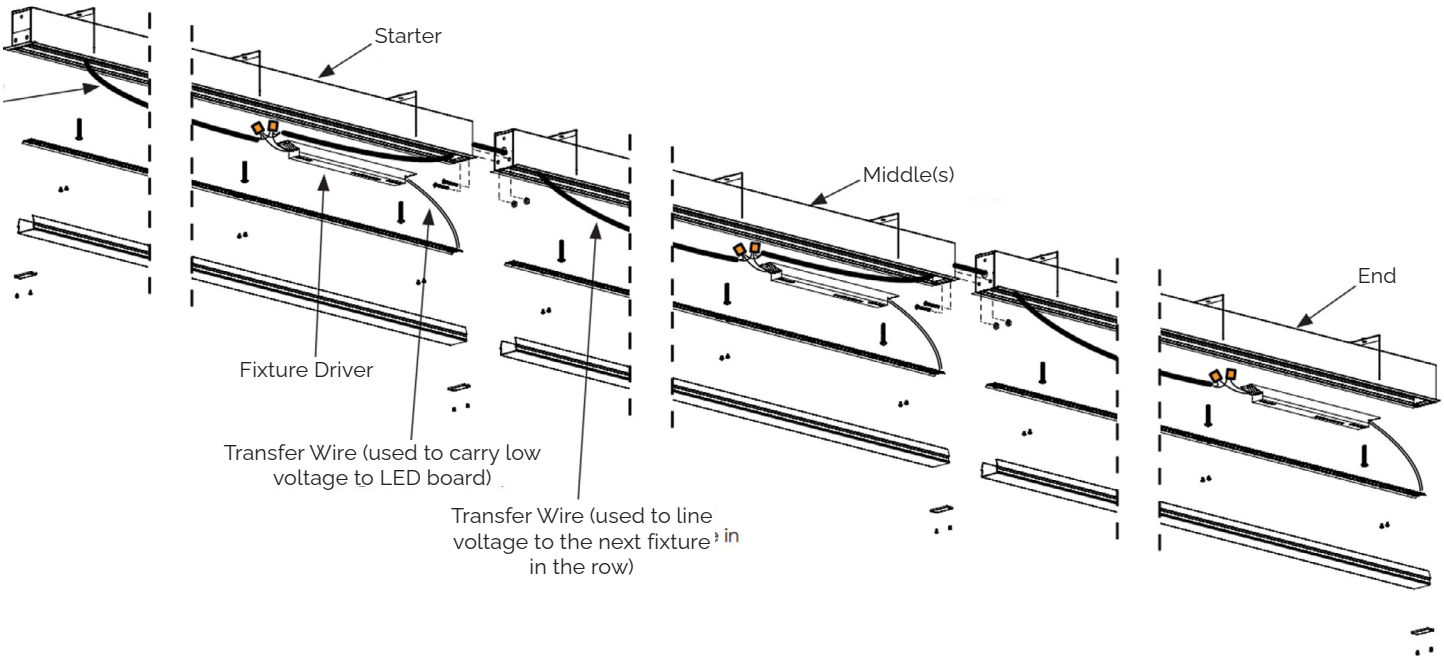


Joiner Detail
Exploded assembly shown with drywall bezel

L = Length of the fixture (end cap to end cap)
+0.125" + 0.05" x number of joints



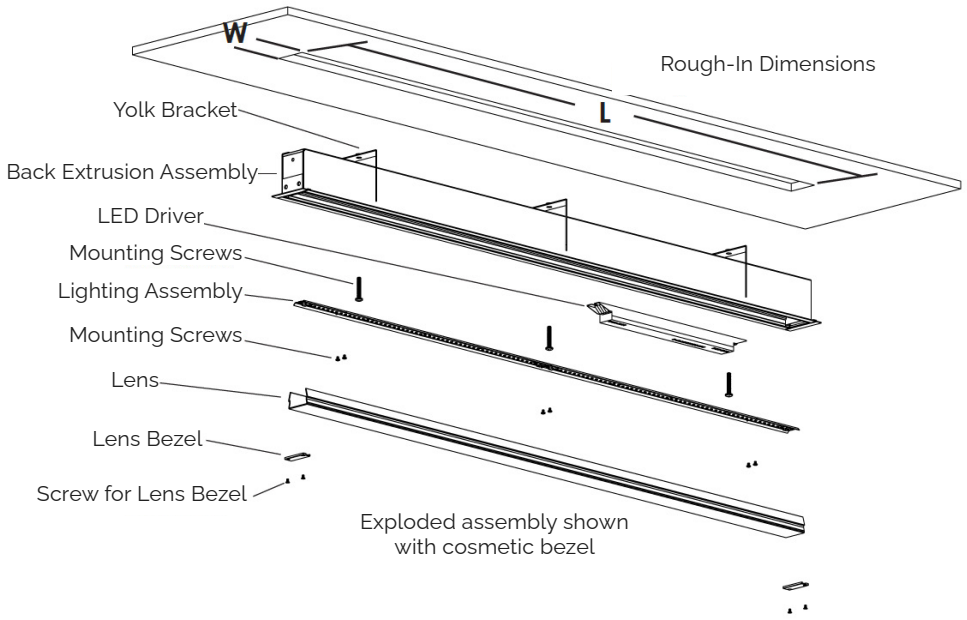
Rough Opening Length
Add 0.05" to rough opening length per joint to account for gasket width.



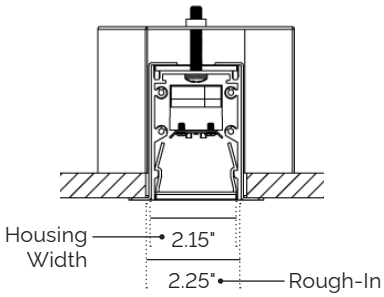
Detailed Joiner Run

Mounting

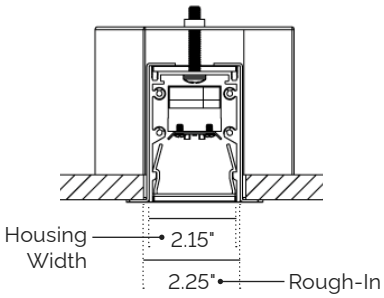
Rough-In Dimensions



Cosmetic Bezel[1]

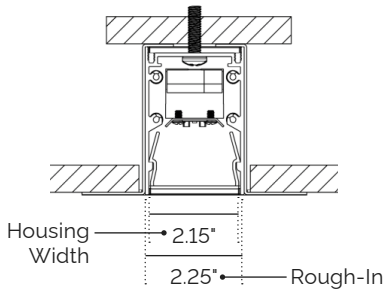


CB
Screw/Rod Mount

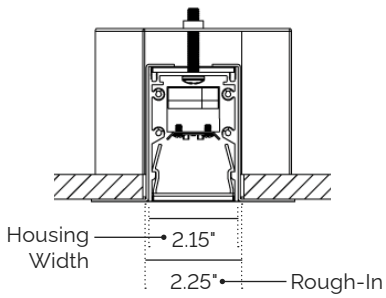


CBY
Yoke Mount

Spackle Flange[2]

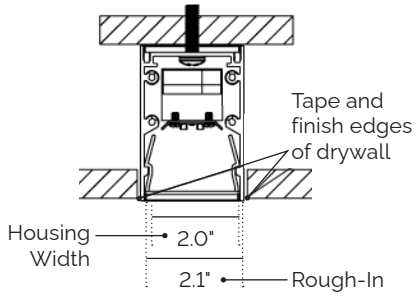


SF
Screw/Rod Mount



SFY
Yoke Mount

Trimless[1]



TR
Trimless

Notes

1. Fixture has to be mounted through the back of the extruded housing into structure, mounting hardware provided by others.
2. Add +0.25" to length of the fixture (end cap to end cap)

Mounting Locations

The number of mounting locations (●) increase as fixtures get longer. Views below show top of fixtures.
Mounting locations (●) vary between SM(T) option and others due to length and power location. Views below show top of fixtures

NOTE: Use proper mounting hardware to mount fixture to ceiling.



