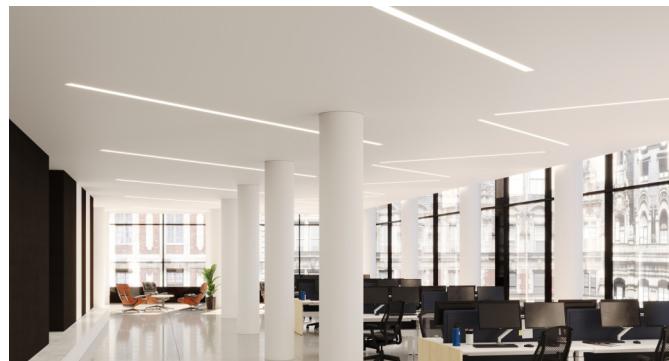
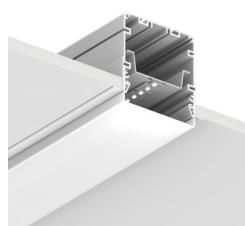


Type:	
Project:	
REP/Agent:	
Order #:	

RECESSED BEAM

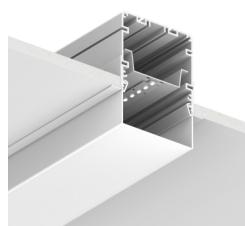
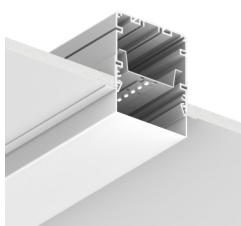


DIFFUSING



FLUSH, H: 3.5"

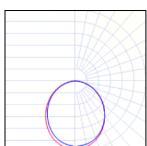
DL05, H: 4.0"



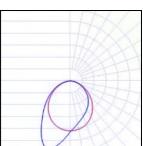
DL10, H: 4.5"

DL15, H: 5.0"

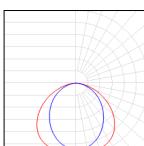
DISTRIBUTION



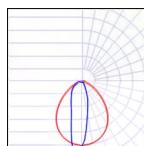
SD= SatinIce



WW= Wall



WD= Wide

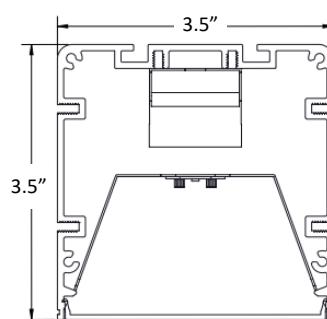


GRZ= Graze

FEATURES

- ★ Continuous lensing - runs up to 100'
- ★ Standard 2', 4', 6' and 8' units or continuous rows
- ★ Fixture/run length increments down to 1/16"
- ★ Single piece aluminum extrusion housing
- ★ Linear runs with proprietary joiner design
- ★ Snap-in lens and reflector for easy installation
- ★ Compatible with wall-to-wall applications
- ★ 3 Step MacAdam ellipse binning
- ★ Efficacy up to 130 lm/W
- ★ Soft diffuse direct lighting
- ★ Approved for dry and damp locations
- ★ 0-10v dimming is standard
- ★ Dim to 1% of output current is standard
- ★ 90 CRI (R9 50min) available
- ★ CA Title 24 / JA8 installation compatible
- ★ Consult factory for TM21, TM30, LM79 and LM80
- ★ IC Rated
- ★ Chicago Plenum available
- ★ L70 > 50,000 hours

DIMENSIONS



Type:	
Project:	
REP/Agent:	
Order #:	

RECESSED BEAM

RBEAM					
SERIES	LENGTH	LUMENS PER FOOT	DISTRIBUTION	CCT	CRI
RBEAM	XX= Run Length _x_RECT= Rectangle _x_L= L-Shape	350= 350 LPF 500= 500 LPF 750= 750 LPF 1000= 1000 LPF XXX= Custom LPF	SD= SatinIce Diffuse WW= Wall Wash WD= Wide Diffuse GRZ= Wall Graze DLE05= 0.5" Drop Lens w/ Lit Ends DLE10= 1.0" Drop Lens w/ Lit Ends DLE15= 1.5" Drop Lens w/ Lit Ends	30K= 3000K 35K= 3500K 40K= 4000K 50K= 5000K TW= Tunable White ¹ (2700-6500K)	80= 80 90= 90 (R9 50 min)
				Seamless Continuous Lensing Unavailable for Drop Lens Options.	

FINISH	MOUNTING	VOLTAGE	ELECTRICAL
STANDARD PW= Powder Coat White PB= Powder Coat Black	T-GRID TBX= 9/16" Grid 15/16" Grid 9/16" Grid (Tegular Tile) 9/16" Screw Slotted T-Grid 15/16" Prelude TEG15= 15/16" Grid (Tegular Tile) TBO= T-BAR Other (Specify Type of T-BAR)	U= 120-277 C= 347	1C= Single Circuit MC= Multiple Circuits (multiple switch legs across run length) EC= Emergency Circuit (separate power drops for EC fixtures) GTD= Generator Transfer Device
PREMIUM RALxxxx= Powder Coat RAL xxxx (Gloss Finish)			
CUSTOM PO= Powder Other			
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)			

OPTIONS

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= 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)²
LD2=Lutron DALI 2 Digital Tunable White driver with 1% dimming
RD-xx'-xxxxx= Remote Driver 120V-277V
Consult Factory

BATTERIES ("#" indicates quantity)

#EMB6= 6W EM Battery (Iota/Bodine)
#EMB10= 10W EM Battery (Iota/Bodine)
#FCEMB10= 10W EM Battery (Factory Choice)
#FCEMB14= 14W EM Battery (Factory Choice)

SENSORS

DMxx%= Daylight/Motion Sensor (xx%=% Min. Dimming)
AWNR-W= Lutron Athena Wireless Node (RF only)³ - White Finish
AWNR-B= Lutron Athena Wireless Node (RF only)³ - Black Finish
AWNS-W= Lutron Athena Wireless Node with Sensor - White Finish
AWNS-B= Lutron Athena Wireless Node with Sensor - Black Finish
NLA= Acuity nLight Air
WVL= Cooper Wavelinx

OTHER

CP= Chicago Plenum (CCEA)
CFW= Conduit Flex Whip
OTD= Outdoor

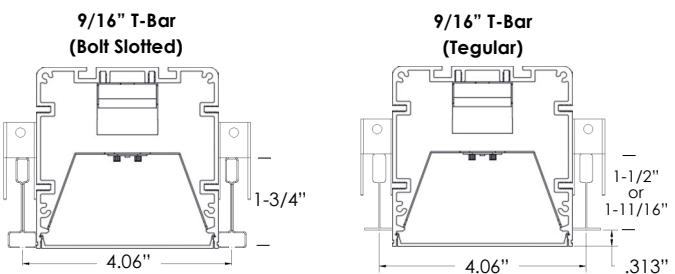
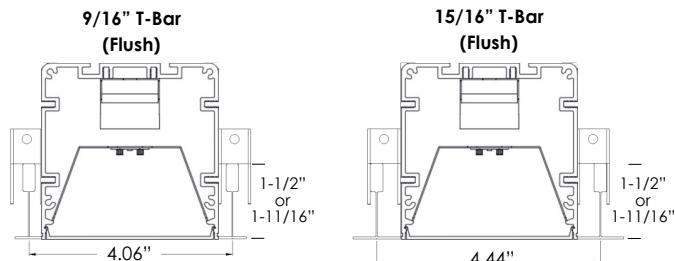
¹ Tunable White Driver must be specified in options
² 50 Watt Max. Dual driver required for higher fixture wattage
³ D4i driver for static & DALI-2 Type 8 for tunable.

EXAMPLE: RBEAM-20-500-SD-35K-80-PW-TBX-U-1C-1EMB10

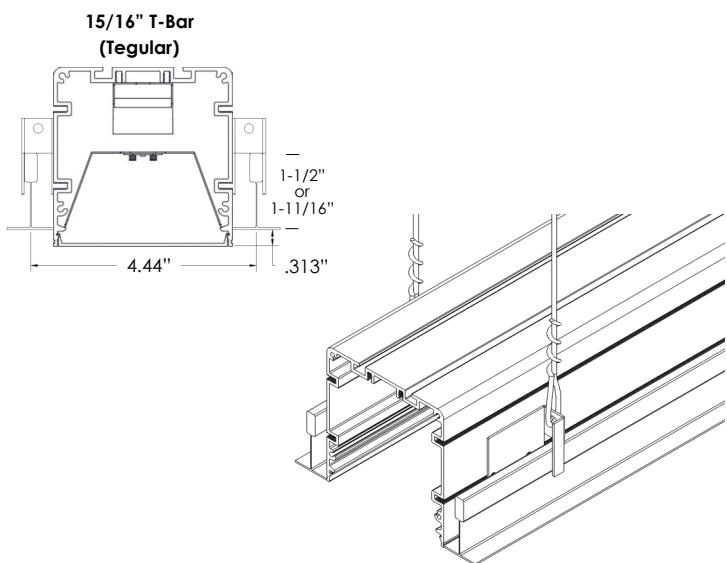
RECESSED BEAM

MOUNTING OPTIONS AND DIMENSIONS

T-BAR/T-GRID Options - TBX



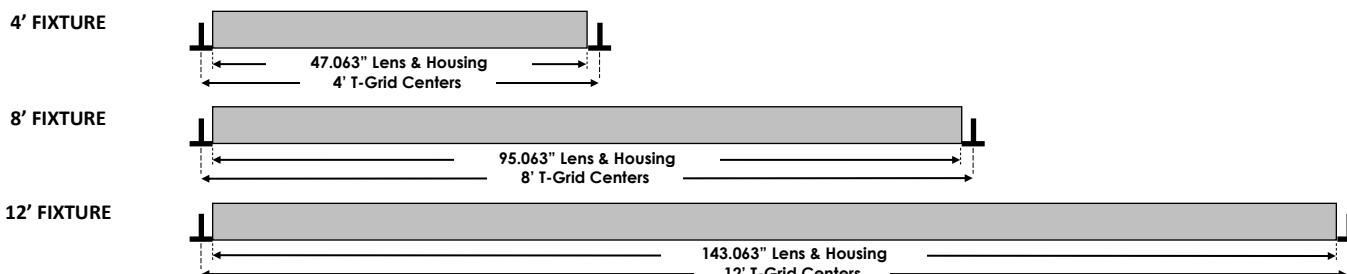
TEG15



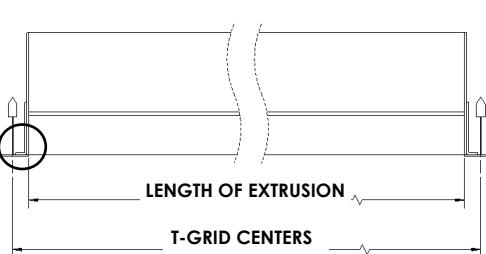
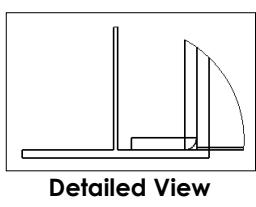
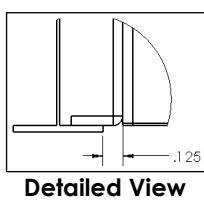
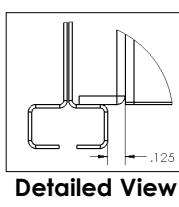
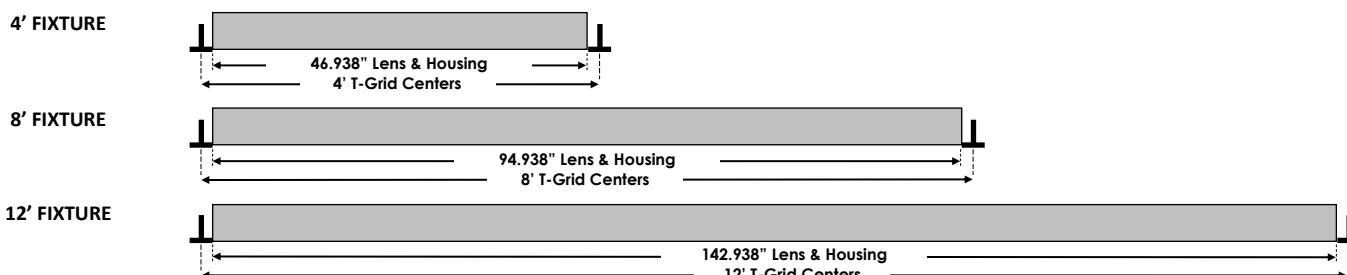
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 4). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. NOTE: The mounting option will affect total run length. 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 TBX and TBA configurations are as follows:

TBX



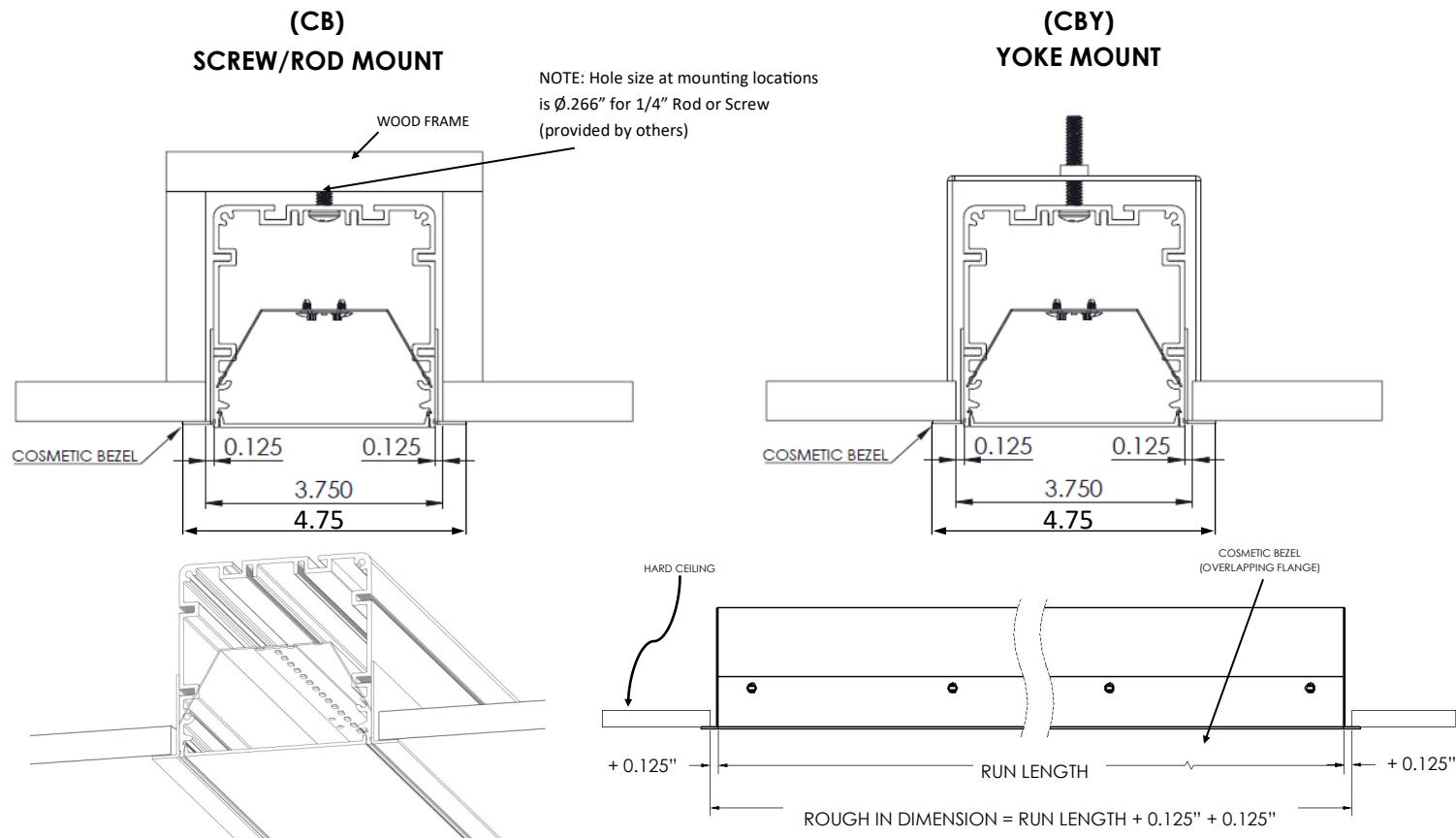
TEG15



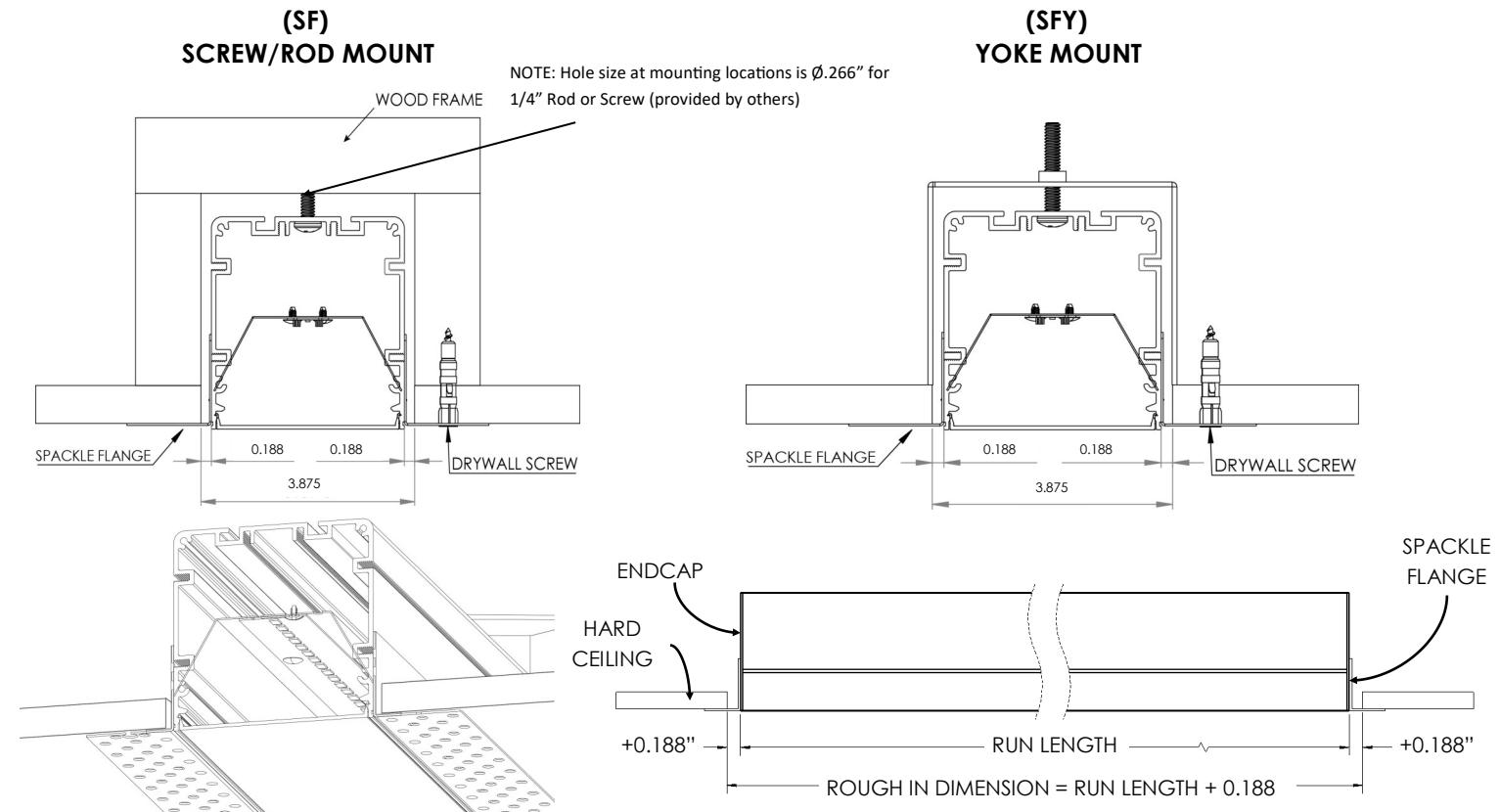
RECESSED BEAM

MOUNTING OPTIONS AND ROUGH-IN DIMENSIONS

CB - Cosmetic Bezel



SF - Spackle Flange



RECESSED BEAM

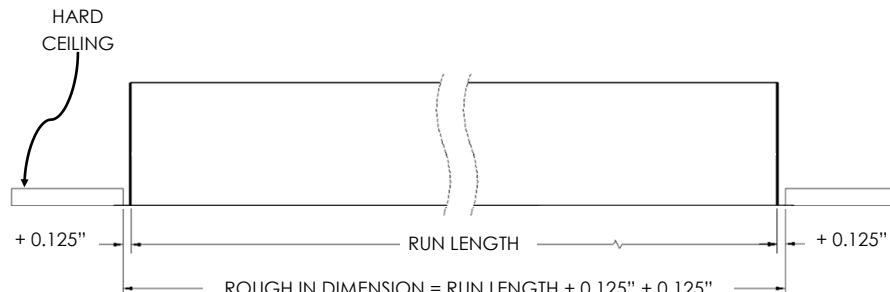
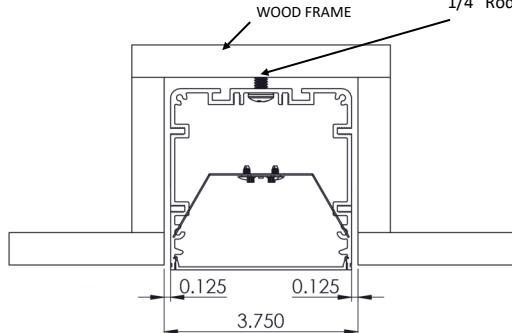
MOUNTING OPTIONS AND ROUGH-IN DIMENSIONS

TR- Trimless

(TR)

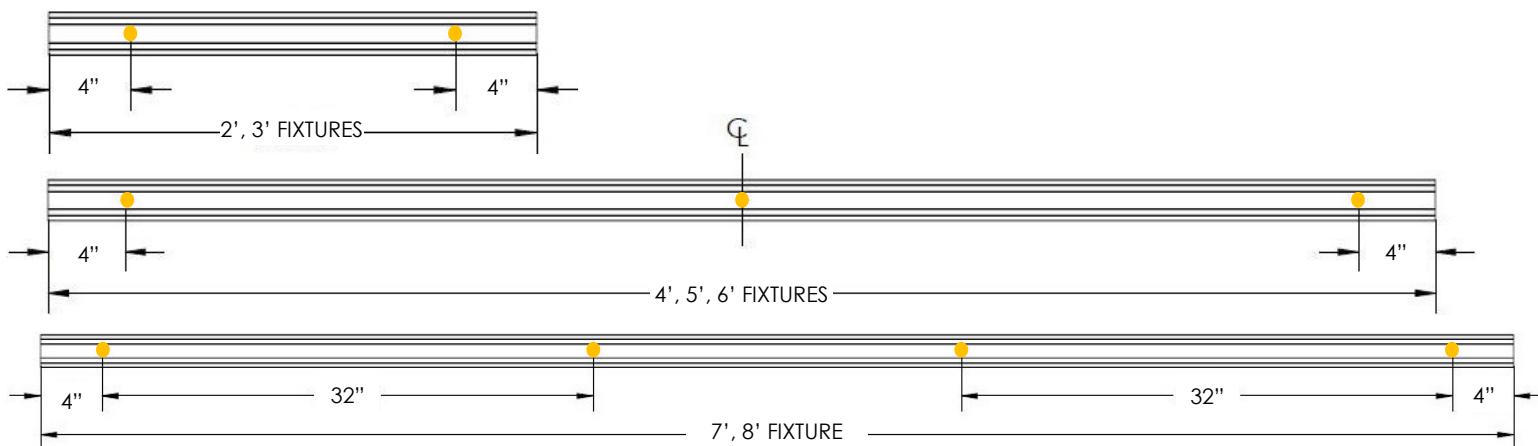
SCREW/ROD MOUNT

NOTE: Hole size at mounting locations is $\phi 0.266"$ for
1/4" Rod or Screw (provided by others)



MOUNTING LOCATIONS: SF, CB, & TR

Mounting locations (●) vary due to length. Views below show top of fixtures and their hole location. For hard ceilings, we offer two types of options. A threaded rod mount, or a screw mount. Please see below of mounting locations as these vary based on length of the fixture.



NOTE: Hole size at mounting locations is $\phi 0.266"$.

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	4	3	3	3	4	4	4	4	4	5	

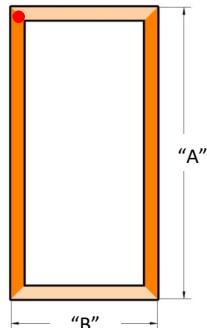
NOTE: Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

RECESSED BEAM

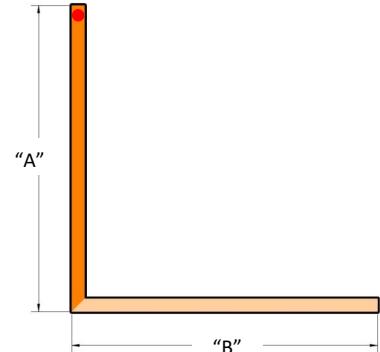
SHAPE CONFIGURATION WITH MITER CUTS

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

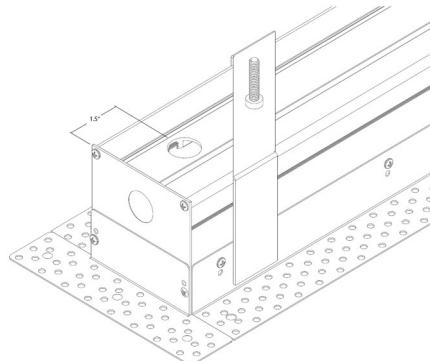


● = Power Location

POWER LOCATION & WIRING DIAGRAMS

POWER LOCATION

The standard power location is out the top on the fixture. If a different configuration is needed to meet an aesthetic or placement requirement, please consult the factory.



WIRING DIAGRAMS

Wiring configurations are dependent on the options chosen. Below are a few examples of our standard wiring that is used to power the fixture.

WIRING		
HIGH VOLTAGE	LOW VOLTAGE	
18 GA		
H = HOT	+D(V) = +DIMMING	HOT (BLACK)
N = NEUTRAL	-D(G) = -DIMMING	NEUTRAL (WHITE)
GND = GROUND		GROUND (GREEN)
		+DIMMING(VIOLET)
		-DIMMING (PINK)

This wiring diagram is showing a standard set of wires for a basic fixture.

WIRING		
HIGH VOLTAGE	LOW VOLTAGE	
18 GA		
S = SWITCHED	+D(V) = +DIMMING	SWITCHED (BLACK)
N = NEUTRAL	-D(G) = -DIMMING	NEUTRAL (WHITE)
U = UNSWITCHED		GROUND (GREEN)
GND = GROUND		UNSWITCHED (RED)
		+DIMMING(VIOLET)
		-DIMMING (PINK)

This wiring diagram is showing a set of wires for a fixture with a emergency battery.

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RECESSED BEAM

PERFORMANCE

Power¹

Direct LPF	Total Lumens	SD		WD		WW	
		LPW	W/ft.	LPW	W/ft.	LPW	W/ft.
350	2800	130	3	124	3	125	3
500	4000	130	4	124	4	125	4
750	6000	130	6	124	6	125	6
1000	8000	130	8	124	8	125	8

¹Based 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%.

Wattage Multiplier

	CCT	4' Length	8' Length
80 CRI	30K	1.11	1.05
	35K	1.05	1
	40K	1.03	0.98
	50K	1.02	0.97
90 CRI	30K	1.17	1.11
	35K	1.11	1.05
	40K	1.08	1.03
	50K	1.07	1.02

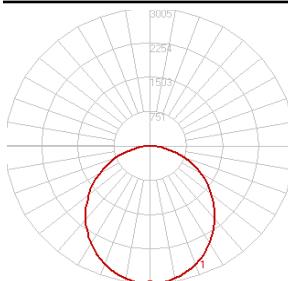
Multiplier How-To

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

PHOTOMETRICS



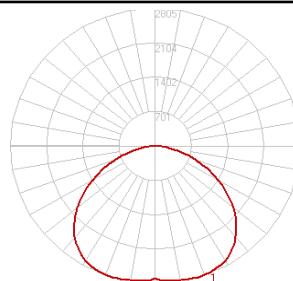
Candela Table

Vert. Angle	Horizontal Angle	0	22.5	45	67.5	90
0	2955	2955	2955	2955	2955	2955
5	2922	2910	2927	2961	2993	
10	2877	2859	2878	2912	2945	
15	2800	2778	2797	2831	2864	
20	2692	2669	2690	2722	2753	
25	2555	2533	2560	2587	2616	
30	2396	2376	2404	2430	2457	
35	2218	2202	2231	2253	2277	
40	2032	2014	2042	2062	2085	
45	1838	1818	1842	1858	1878	
50	1640	1613	1633	1647	1664	
55	1427	1400	1414	1430	1444	
60	1210	1179	1190	1204	1218	
65	982	954	963	978	991	
70	746	727	738	753	765	
75	518	504	522	537	546	
80	307	300	321	336	341	
85	131	126	143	149	154	
90	0	0	0	0	0	

Model Tested
RBEAM-8-1000-SD-35K-80

Luminance Data (cd/sq.m)

Angle in Degrees	Avg. 0-Deg	Avg. 45-Deg	Avg. 90-Deg
45	10586	10610	10819
55	10136	10045	10256
65	9464	9278	9548
75	8153	8214	8591
85	6139	6705	7191

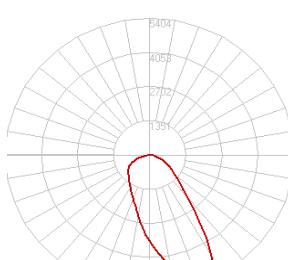


Candela Table

Vert. Angle	Horizontal Angle	0	22.5	45	67.5	90
0	2698	2698	2698	2698	2698	2698
5	2668	2662	2682	2719	2757	
10	2626	2625	2669	2730	2780	
15	2541	2554	2649	2741	2802	
20	2425	2461	2602	2729	2801	
25	2281	2342	2535	2696	2769	
30	2115	2204	2442	2615	2698	
35	1933	2044	2317	2503	2587	
40	1743	1867	2164	2350	2423	
45	1548	1679	1984	2157	2215	
50	1354	1477	1781	1931	1973	
55	1157	1272	1558	1680	1704	
60	966	1057	1313	1408	1416	
65	771	841	1060	1130	1124	
70	577	630	800	846	836	
75	398	427	550	575	564	
80	228	244	317	330	324	
85	7128	9857	10097	125	131	129
90	0	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle in Degrees	Avg. 0-Deg	Avg. 45-Deg	Avg. 90-Deg
45	10149	13009	14522
55	9349	12588	13771
65	8460	11631	12333
75	7128	9857	10097
85	4894	6673	6869
90	0	0	0



Candela Table

Vert. Angle	Horizontal Angle	0	22.5	45	67.5	90
0	3379	3379	3379	3379	3379	3379
5	3913	3894	3703	3487	3278	
10	4475	4392	4035	3615	3211	
15	4991	4840	4383	3731	3100	
20	5306	5105	4614	3826	2939	
25	5392	5177	4708	3849	2742	
30	4632	4647	4675	3767	2518	
35	3262	3510	4350	3597	2277	
40	2192	2449	3696	3361	2034	
45	1602	1748	2889	3042	1771	
50	1232	1317	2169	2651	1511	
55	979	1021	1612	2209	1251	
60	784	797	1183	1763	1004	
65	602	606	861	1326	776	
70	438	434	605	933	563	
75	285	277	387	599	372	
80	150	145	208	319	205	
85	55	45	68	108	71	
90	0	0	0	0	0	

Model Tested
RBEAM-8-1000-WW-35K-80

Luminance Data (cd/sq.m)

Angle in Degrees	Avg. 0-Deg	Avg. 45-Deg	Avg. 90-Deg
45	5250	10930	11206
55	3258	6364	9613
65	2098	3674	7896
75	1078	1854	5864
85	235	387	2659
90	0	0	0

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RECESSED BEAM

SPECIFICATIONS

Housing

Nominal 3 1/2" x 3 1/2" square housing of continuous extruded 6063 T5 aluminum.

Luminaires Length

2', 4', 6' or 8' lengths are available for a single stand-alone section. Using internal joiners, sections can be joined to form longer rows.

Battery

Lithium ion battery providing up to 720lm(6W) or up to 1200lm(10W) for 90 minutes. UL924 listed. Class 2 compliant. Meets Title 20 CEC (California Energy Commission) efficiency standards.

Lensing

Snap-in .080" thick acrylic lensing with impact modifier

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.

Environment

Suitable for dry and damp locations.
Operating temp.: -40°C to +45°C

Dimming Driver

elodLED OPTOTRONIC (OTi) series of LED drivers allow tunable output currents to maximize efficiency. UL Class 2 recognized. 0-10v interface can be dimmed down to true 1% dimming. Included 2.5Kw ring and wave overcurrent protection. OTi drivers boast <20% THD, >.9 power factor and 87% efficiency at max load.

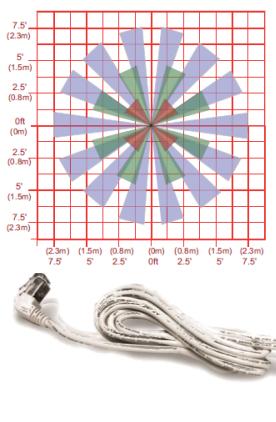
Packaging

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

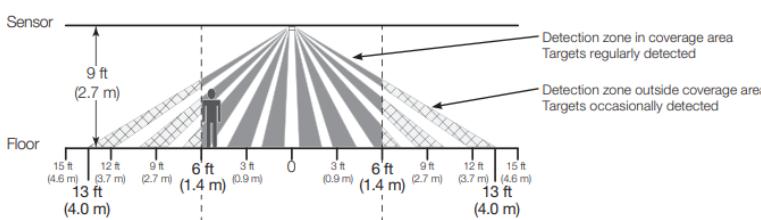
CONTROL

Sensor

Wattstopper FS-205 v2 Low Voltage PIR. Integrated photosensor for hold-off daylighting control. 24VDC operating voltage. Adjustable time delay (30 seconds to 30 minutes).



Wireless Node



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).