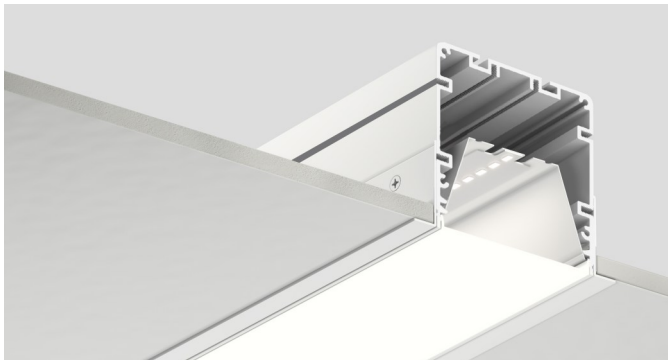
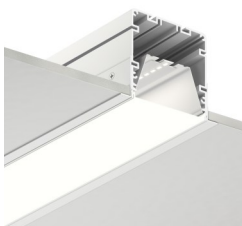


Type:	
Project:	
REP/Agent:	
Order #:	

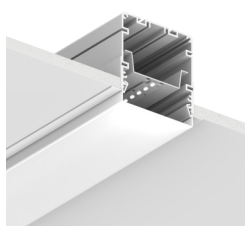
RECESSED BEAM



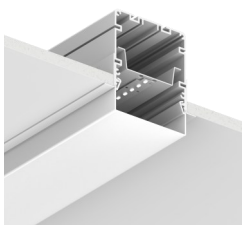
DIFFUSING



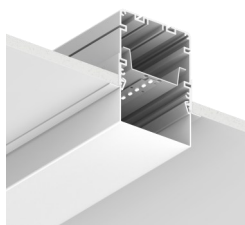
FLUSH, H: 3.5"



DL05, H: 4.0"



DL10, H: 4.5"

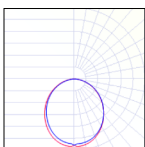


DL15, H: 5.0"

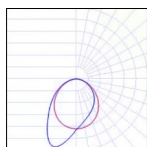
FEATURES

- ★ 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

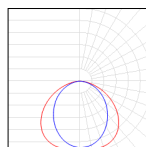
DISTRIBUTION



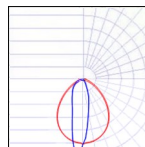
SD= SatinIce



WW= Wall

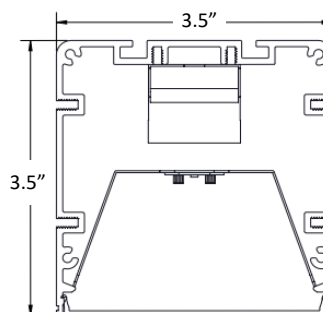


WD= Wide



GRZ= Graze

DIMENSIONS



Declare.



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 <small>Seamless Continuous Lensing Unavailable for Drop Lens Options.</small>	30K = 3000K 35K = 3500K 40K = 4000K 50K = 5000K TW = Tunable White ¹ <small>(2700-6500K)</small>	80 = 80 90 = 90 (R9 50 min)

FINISH	MOUNTING	VOLTAGE	ELECTRICAL
STANDARD PW = Powder Coat White PB = Powder Coat Black PREMIUM RALxxx = Powder Coat RAL xxxx (Gloss Finish) CUSTOM PO = Powder Other	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) COSMETIC BEZEL CB = Cosmetic Bezel (Screw/ Rod Mount) CBY = Cosmetic Bezel (Yoke Mount) <small>*NOTE: Bezel color will match fixture color unless otherwise specified, consult factory for options.</small> SPACKLE FLANGE SF = Spackle Flange (Screw/ Rod Mount) SFY = Spackle Flange (Yoke Mount) TRIMLESS TR = Trimless (Screw/ Rod Mount)	U = 120-277 C = 347	1C = Single Circuit MC = Multiple Circuits <small>(multiple switch legs across run length)</small> EC = Emergency Circuit <small>(separate power drops for EC fixtures)</small> GTD = Generator Transfer Device

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, 0-10v²
TW-EL= eldoLED DUALdrive Tunable White (DALI)²
LD2= Lutron DALI 2 Digital Tunable White driver with 1% dimming²
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)
AWN-R-W= Lutron Athena Wireless Node (RF only)³ - White Finish
AWN-R-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 DALI driver for static & DALI-2 Type 8 for tunable.

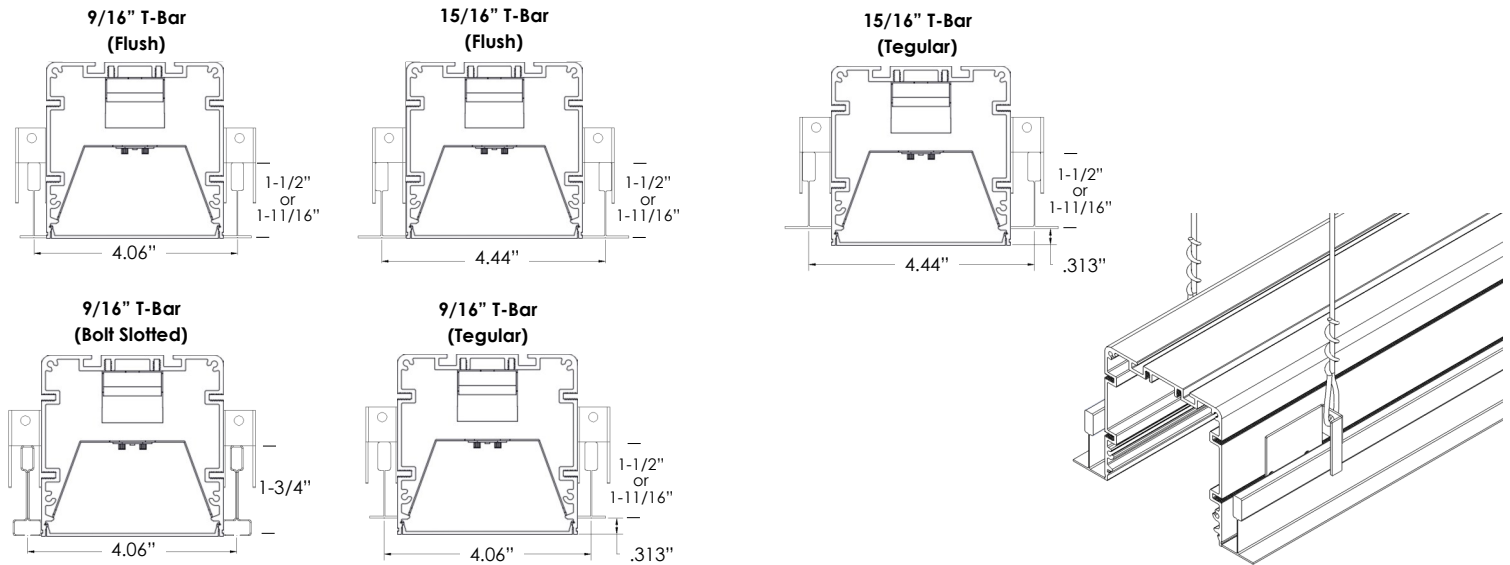
EXAMPLE: RBEAM-20-500-SD-35K-80-PW-TBX-U-1C-1EMB10

RECESSED BEAM

MOUNTING OPTIONS AND DIMENSIONS

T-BAR/T-GRID Options - TBX

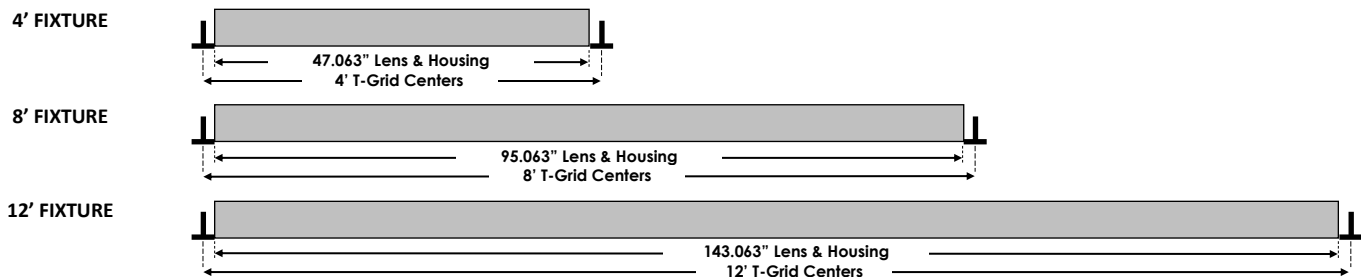
TEG15



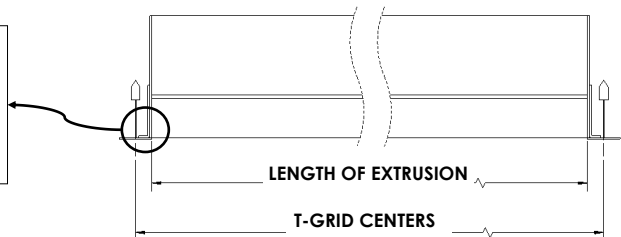
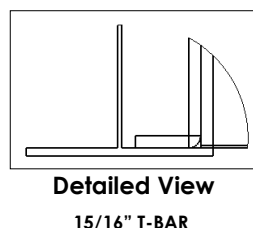
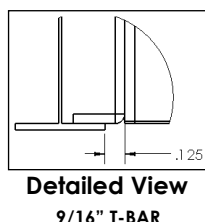
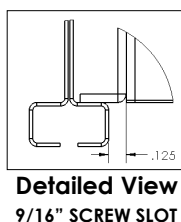
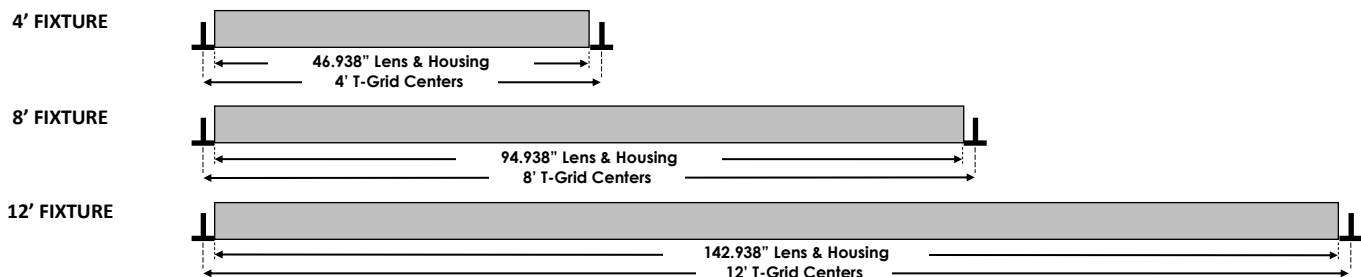
The lengths of individual fixtures and run lengths specified in the ordering logic is the distance between the centers of the T-Grids (See Page 4). The actual length of the fixtures and the lens will be shorter from that specified length. In a run, the last fixture compensates for the T-Grid. NOTE: The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

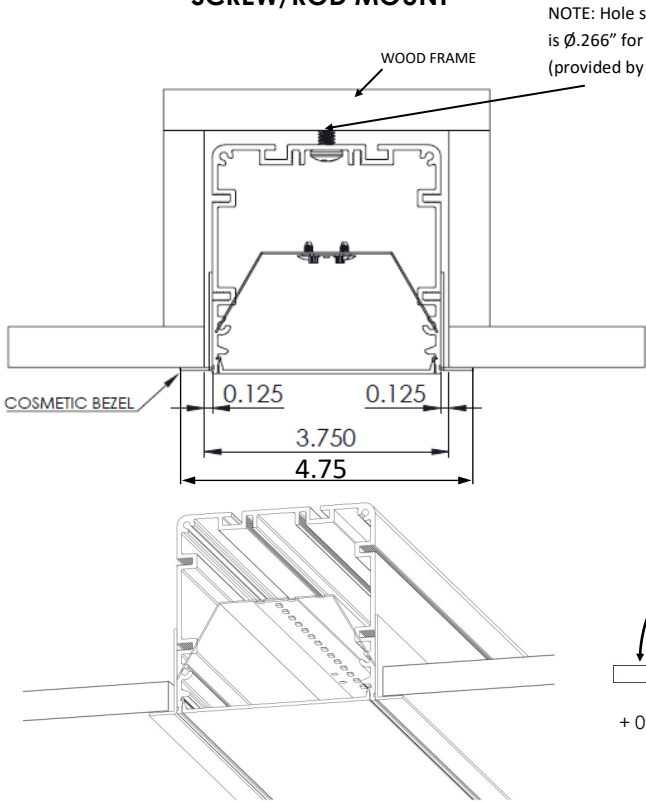


RECESSED BEAM

MOUNTING OPTIONS AND ROUGH-IN DIMENSIONS

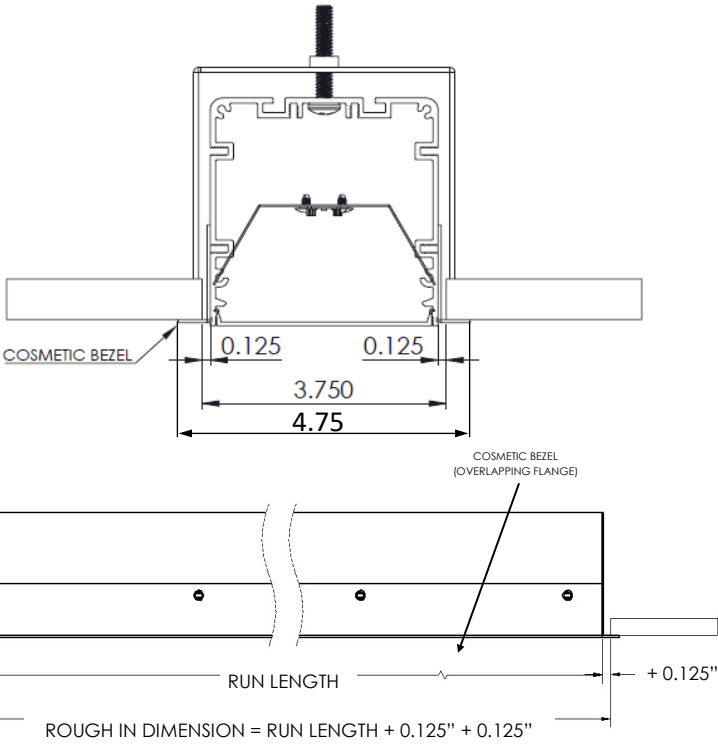
CB - Cosmetic Bezel

(CB) SCREW/ROD MOUNT



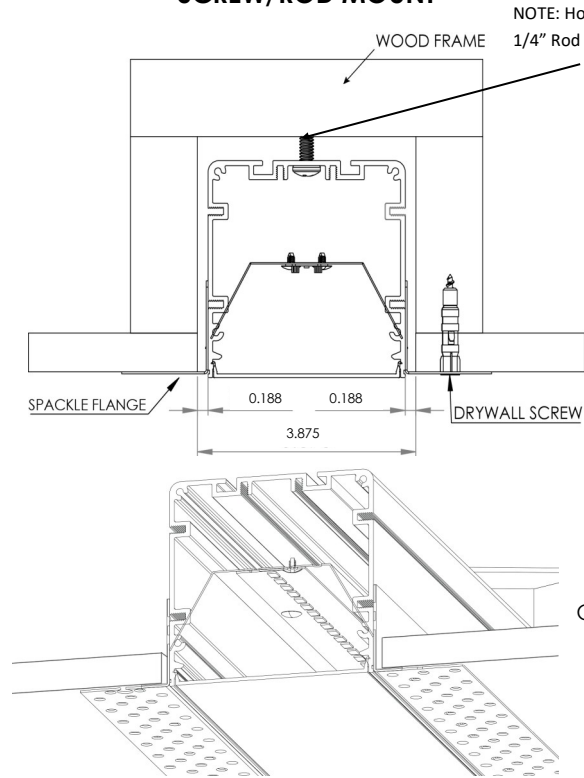
NOTE: Hole size at mounting locations is $\varnothing.266"$ for 1/4" Rod or Screw (provided by others)

(CBY) YOKE MOUNT



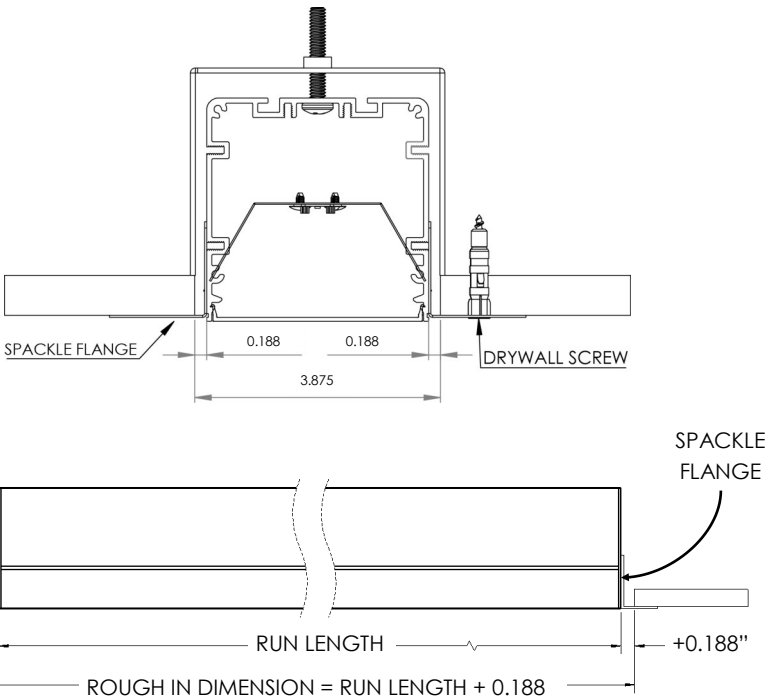
SF- Spackle Flange

(SF) SCREW/ROD MOUNT

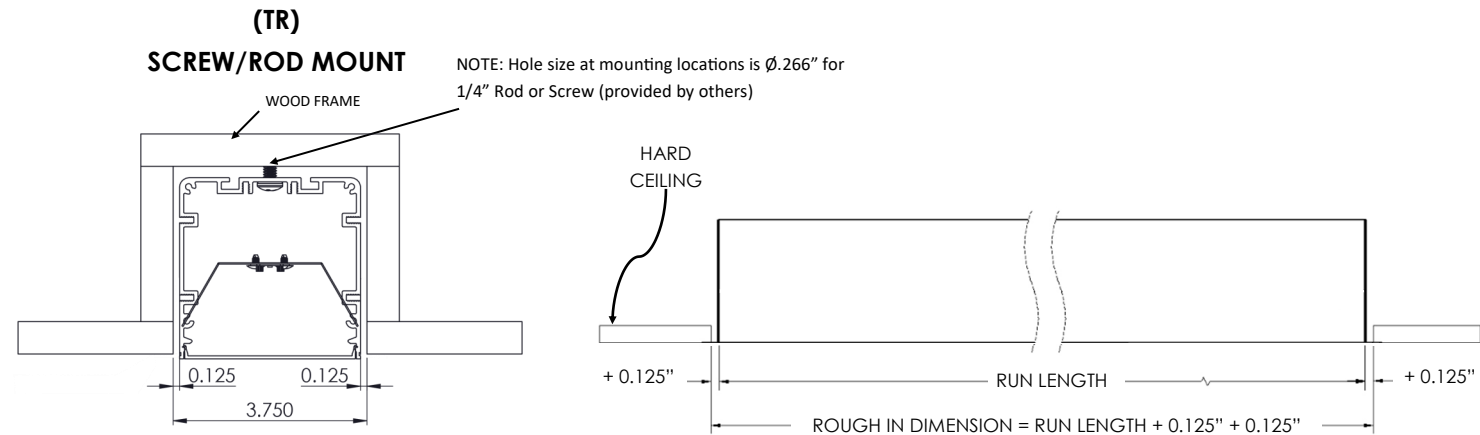


NOTE: Hole size at mounting locations is $\varnothing.266"$ for 1/4" Rod or Screw (provided by others)

(SFY) YOKE MOUNT

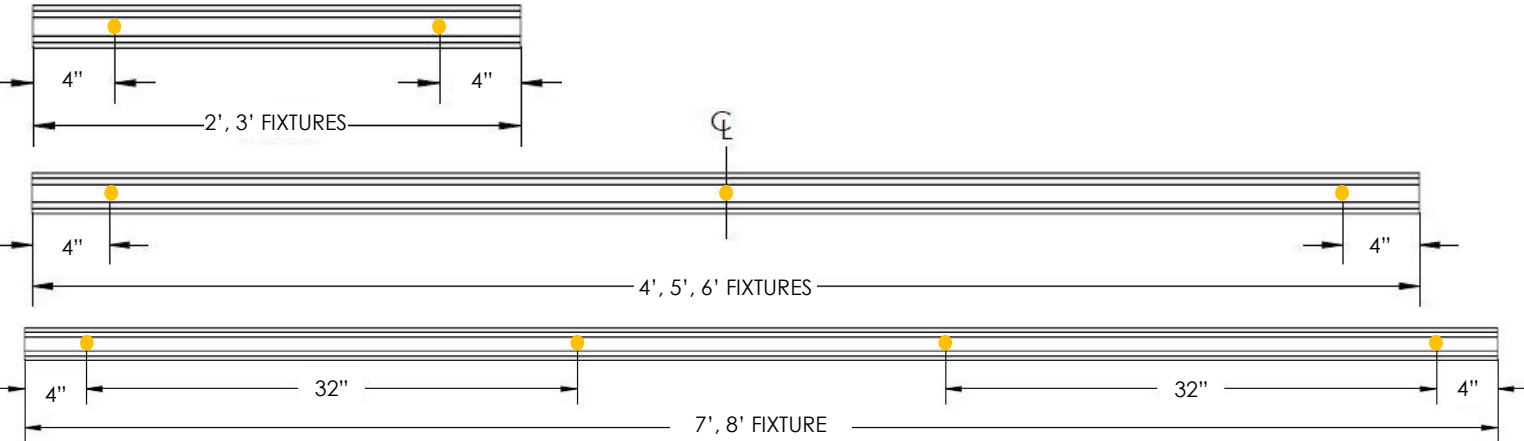


TR– Trimless



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 Ø.266".

ROW CONFIGURATIONS

xx (Run Length)

The standard construction of run lengths follows the logic of the table below. Consult factory for additional information.

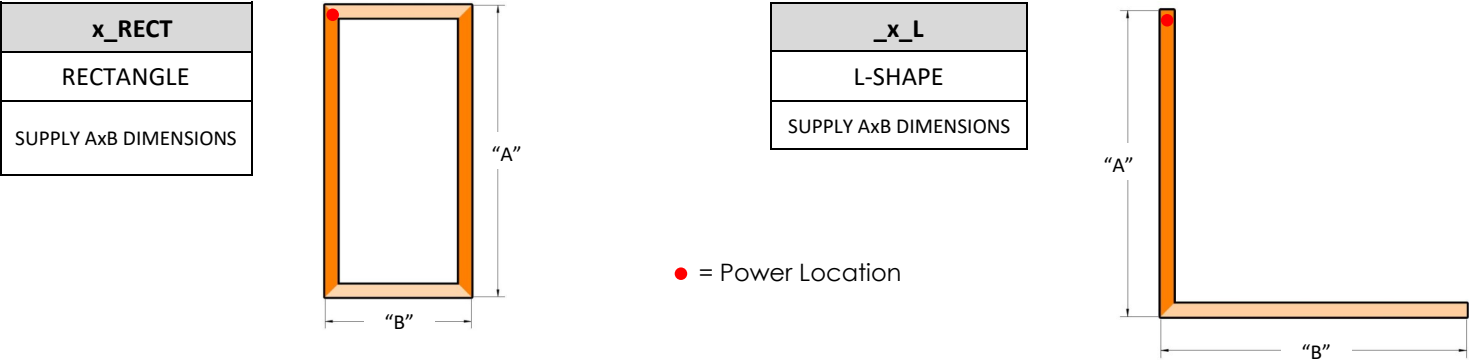
Run lengths always start with the longest fixture and receives the power feed.

		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	
# of Sections	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	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.

SHAPE CONFIGURATION WITH MITER CUTS

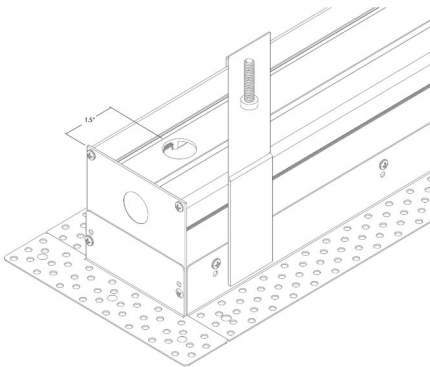
Specify the configuration and overall dimensions. Note the overall dimension is for the fixture and does not include any mounting brackets or accessories. For the "L" shape, the standard construction is to build with as many 8' sections as possible or use the longest sections first and finish the shapes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



POWER LOCATION & WIRING DIAGRAMS

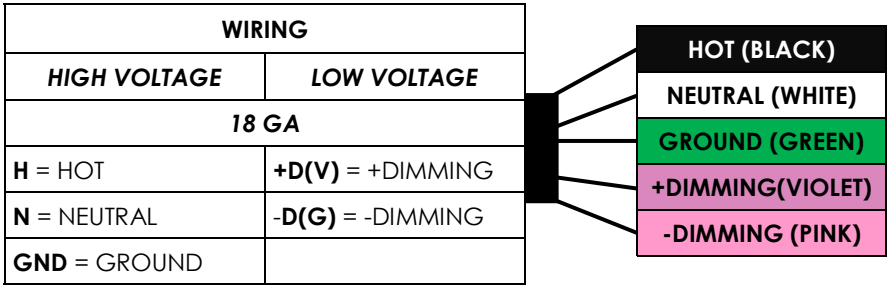
POWER LOCATION

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.

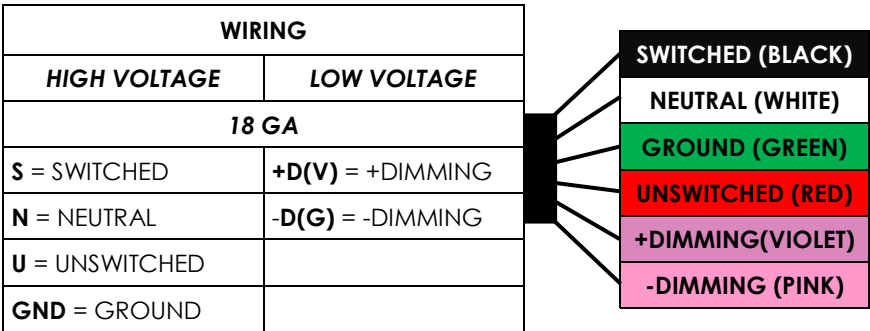


WIRING DIAGRAMS

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



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



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

RECESSED BEAM

PERFORMANCE

Power¹

Direct LPF	Total Lumens	SD Satin Diffuse		WD Wide Diffuse		WW Wall Wash	
		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

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

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%.

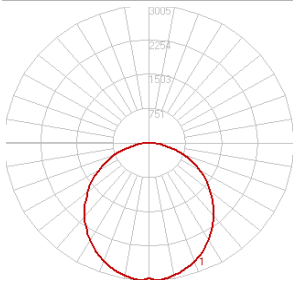
Multiplier How-To

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



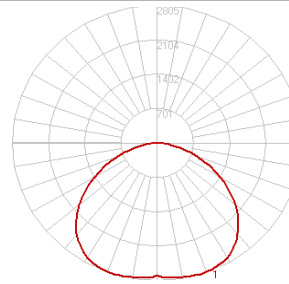
Candela Table

Vert. Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	2955	2955	2955	2955	2955
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



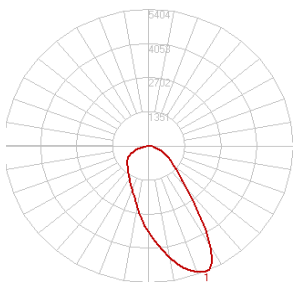
Candela Table

Vert. Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	2698	2698	2698	2698	2698
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	92	94	125	131	129
90	0	0	0	0	0

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

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



Candela Table

Vert. Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	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

RECESSED BEAM

SPECIFICATIONS

Housing

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

Luminaire 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

eldoLED 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.

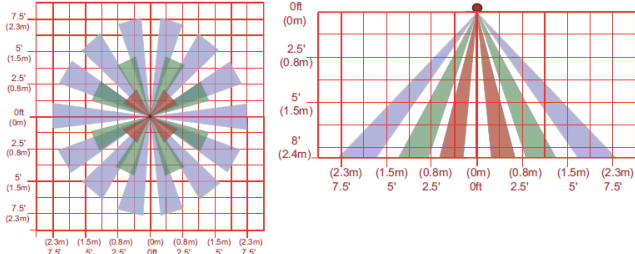
Packaging

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

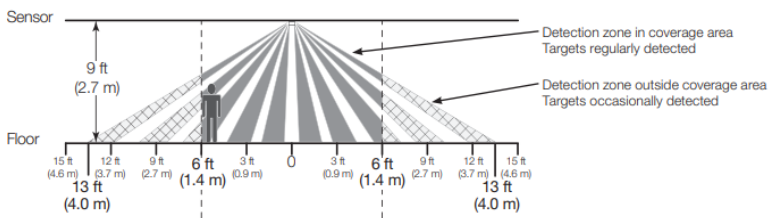
CONTROL

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



COMPANION PRODUCTS

Beam Direct



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).