

Project \_\_\_\_\_

Type \_\_\_\_\_

Notes \_\_\_\_\_

### PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
300 lm/ft	3.13 W/ft	96 lm/W
900 lm/ft	9.3 W/ft	97 lm/W

\* Based on a 4 foot luminaire using one driver  
Please consult factory for custom lumen output and wattage.



### Ordering Guide

B3RLED	SL				
PRODUCT ID	LIGHT ENGINE	NOM. LUMENS/FT	CRI	COLOR TEMP.	SHIELDING
<b>B3RLED</b> Recessed LED	<b>SL</b> surroundlite	<b>300</b> 300 lm/ft - Minimum <b>900</b> 900 lm/ft - Maximum	<b>80</b> 80 CRI <b>90</b> 90 CRI	<b>27</b> 2700 K <b>30</b> 3000 K <b>35</b> 3500 K <b>40</b> 4000 K	<b>FL</b> flush
Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.					All lens options use spotless lens See page 2-3 for more details

LENGTH	FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING
<b>2</b> 2' <b>3</b> 3' <b>4</b> 4' <b>5</b> 5' <b>6</b> 6' <b>8</b> 8' <b>12</b> 12' <b>S(L)</b> system run*	<b>W</b> white <b>BLK</b> black <b>C</b> custom	<b>120</b> 120 V <b>277</b> 277 V <b>347</b> 347 V <b>UNV</b> universal <b>DC</b> low voltage*	<b>DP</b> dimming (0-10V) 1% <b>LT</b> Lutron* <b>BI</b> bi-level dimming <b>O</b> other** <b>POE(#)</b> POE drivers*	<b>1</b> 1 circuit <b>2</b> 2 circuits <b>+E(#)</b> emergency circuit * <b>+NL(#)</b> night light circuit * <b>+GTD(#)</b> generator transfer device *	<b>TB9</b> t-bar 9/16" <b>TB15</b> t-bar 15/16" <b>ST</b> screw slot t-bar <b>TG9</b> regular 9/16" <b>TG15</b> regular 15/16"
*Available in 1" increments		* Only available with POE drivers.	* Specify system ** Please consult factory; see page 2	* Specify quantity	

BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
<b>B(#)</b> battery pack 4' sections	<b>EF</b> end feed <b>FW</b> flex whip (6' std)* <b>CP</b> Chicago plenum <b>HD</b> hold down clip**	<b>DS(#)</b> daylight sensor <b>OS(#)</b> occupancy sensor <b>DOS(#)</b> daylight & occupancy sensor <b>BED(#)</b> bedlight control <b>WC(#)</b> wireless control dimming	<b>C</b> custom
Not available with 347V Please consult factory	*Other lengths available; please consult factory. **Only available for t-bar mounting	Please consult factory Specify quantity. Requires 8" blank. <a href="#">See integrated controls guide for more details.</a>	Please specify

### ● SPECIFICATIONS

#### CONSTRUCTION


<b>Housing</b>	Extruded aluminum (0.075" nominal) Up to 70% recycled content
<b>Interior Brackets</b>	Die formed sheet steel (18 gauge)
<b>Reflectors</b>	White powder coated sheet steel (22 gauge)
<b>Blank</b>	Extruded aluminum (0.075" nominal)
<b>Optical system</b>	SurroundLite downlight optical system
<b>Lens</b>	Continuous acrylic, roll out lens

### ● ELECTRICAL

<b>Lutron driver</b>	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
<b>Other drivers**</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
<b>Power over Ethernet POE drivers*</b>	MOLEX IGOR SMARTENGINE O - Other (Consult factory) *Consult factory
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV.
<b>Flex Whip</b>	Shipped in a separate box for contractors to install

**i** Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

### ● APPROVALS

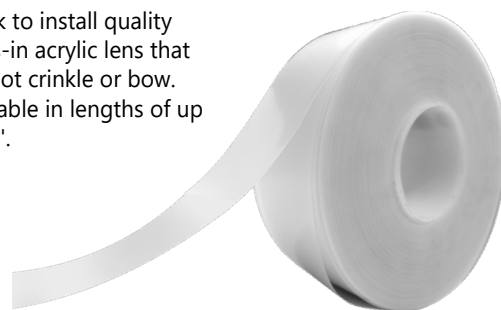
Certified to UL and CSA standards   
Meets NYC requirements  
Meets CCEC requirements (Chicago plenum)  
Suitable for damp locations  
IC Rated (Insulated ceiling)

### ● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](http://axislighting.com).

### ● CONTINUOUS ROLL OUT LENS

Quick to install quality press-in acrylic lens that will not crinkle or bow. Available in lengths of up to 48'.



### ● LED SYSTEM

<b>CRI</b>	Minimum 80 or 90 color rendering index
<b>CCT</b>	Choice of 2700K, 3000K, 3500K and 4000K color temperature with a great color consistency (within 3.5-step MacAdam ellipse).
<b>LED life</b>	Minimum 50,000h with 70% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal management</b>	Aluminium housing acting as the heat sink to maximize life.

### ● SYSTEM (S#)

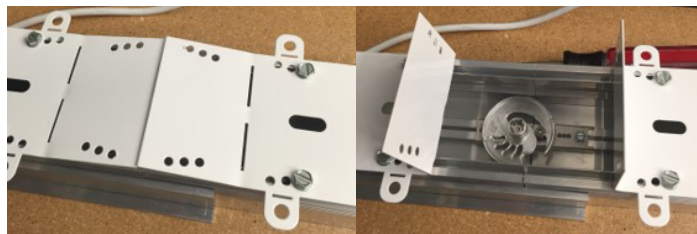
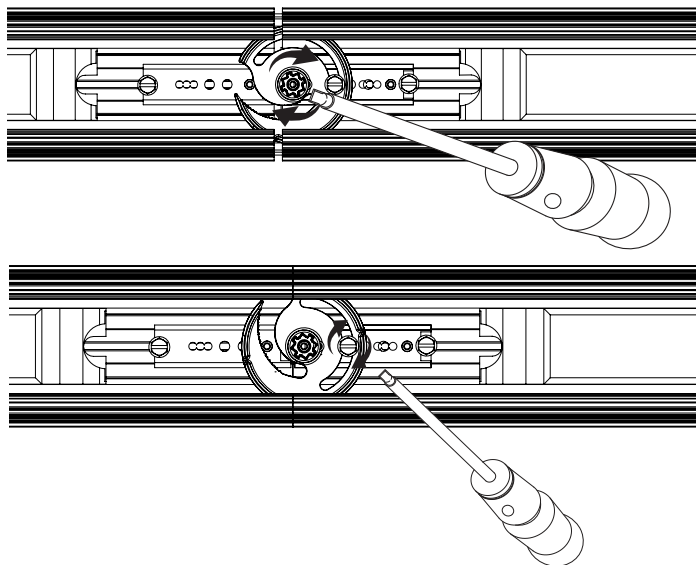
BEAM3 SurroundLite linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM3 SurroundLite that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination of 4', 8' and/or 12' sections to be assembled on site using our joining system. BEAM3 SurroundLite comes in increments of 1 foot. Corners and patterns are not available.

### ● WEIGHT

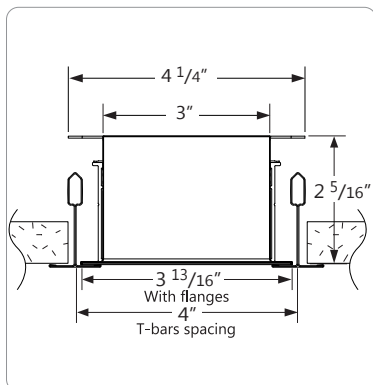
<b>Recessed LED 4 ft</b>	14.5 lbs / 6.6 kg
<b>Recessed LED 8 ft</b>	29.0 lbs / 13.2 kg
<b>Recessed LED 12 ft</b>	43.5 lbs / 19.7 kg

### ● JOINERS

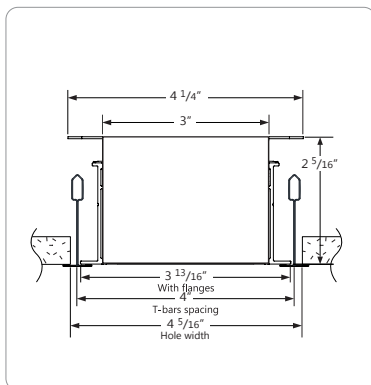
BEAM3 SurroundLite luminaires feature InstaJoiner, a unique joining system developed by Axis offering fast, single-screw tightening.



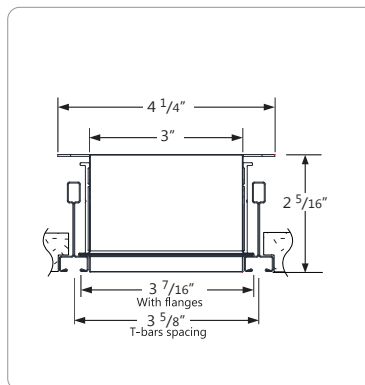
### ● TB CEILING MOUNTING OPTIONS



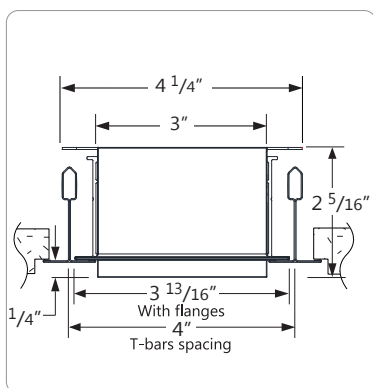
**TB15 15/16" T-BAR**



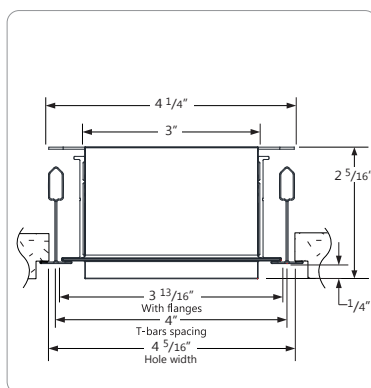
**TB9 9/16" T-BAR**



**ST SCREW SLOT T-BAR**



**TG15 15/16" TEGULAR**



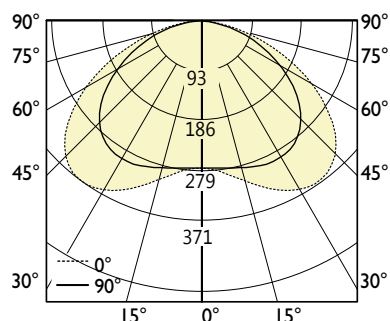
**TG9 9/16" T-TEGULAR**

### ● PHOTOMETRIC DATA

300 lm/ft



#### PHOTOMETRIC CURVE



**Lumen/ft: 300 lm/ft**  
**Total Lumens: 1200 lm (for 4ft)**  
**Input Watts: 12.5 W**  
**Efficacy: 96 lm/W**

IES FILE: B3RLED-SL-300-80-35-FL-4.IES

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	274	274	274	274	274
5	275	276	277	278	278
15	284	287	296	304	308
25	294	301	320	339	348
35	293	303	329	357	371
45	266	276	305	339	355
55	212	220	244	275	291
65	142	148	163	184	195
75	73	76	83	93	97
85	18	19	20	21	22
90	1	1	1	1	1

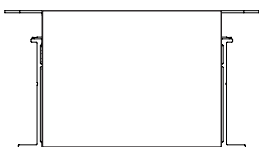
#### LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3012	2480	2636
55	2900	2158	2291
65	2555	1634	1692
75	2008	993	974
85	1088	314	267

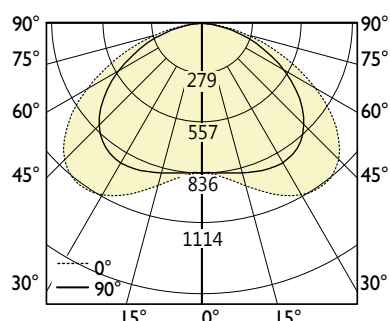
#### ZONAL LUMENS

Zone	Lumens
0	
0-10	27
10-20	84
20-30	148
30-40	206
40-50	236
50-60	220
60-70	164
70-80	90
80-90	24
90	

900 lm/ft



#### PHOTOMETRIC CURVE



**Lumen/ft: 900 lm/ft**  
**Total Lumens: 3600 lm (for 4ft)**  
**Input Watts: 37.2 W**  
**Efficacy: 97 lm/W**

IES FILE: B3RLED-SL-900-80-35-FL-4.IES

TESTED ACCORDING TO IES LM-79-2008

#### CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	822	822	822	822	822
5	826	827	831	835	835
15	852	862	888	913	923
25	882	904	960	1017	1043
35	878	908	987	1072	1113
45	797	828	914	1016	1066
55	635	660	732	824	873
65	426	443	490	552	585
75	219	228	249	278	292
85	53	57	61	64	65
90	3	4	3	4	2

#### LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	9037	7440	7907
55	8700	6474	6874
65	7666	4901	5076
75	6024	2980	2922
85	3263	941	800

#### ZONAL LUMENS

Zone	Lumens
0	
0-10	80
10-20	253
20-30	445
30-40	619
40-50	709
50-60	661
60-70	492
70-80	269
80-90	72
90	

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)