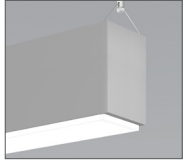




Flush Spotless Lens - down



1.25" StepLens down



Glo Lens down

Project \_\_\_\_\_

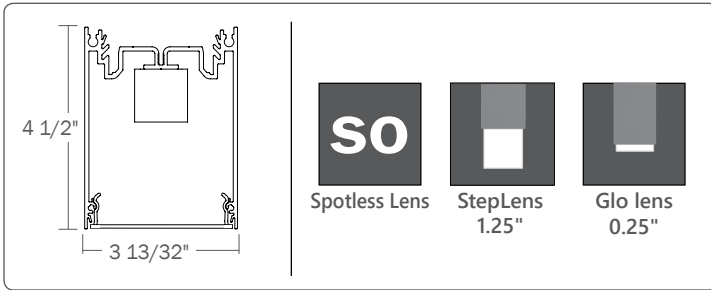
Type \_\_\_\_\_

Notes \_\_\_\_\_

**PERFORMANCE PER LINEAR FOOT AT 3500K**

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
500 lm/ft	4.9 W/ft	119 lm/W	0.25G

Please consult factory for custom lumen output and wattage.



**Ordering Guide**

TB3DLED		PRODUCT ID		NOM. LUM/FT DOWN		CRI		COLOR TEMP.		SHIELDING	
TB3DLED	Twin BEAM3 - Pendant Direct LED	400	400 lm/ft - Minimum	80	80 CRI	27	2700 K	SO	spotless lens		
		1000	1000 lm/ft - Maximum	90	90 CRI	30	3000 K	1.25M	StepLens , lum. end cap		
						35	3500 K	0.25G	0.25" Glo lens		
						40	4000 K				
				Outputs between listed min and max are available. Consult factory for outputs outside of the listed range.				<a href="#">Consult Axitune spec sheet for Axis color technology options</a>		Choose only one of the options above; SurroundLite not available with direct	

LENGTH (FT)	MR (OPTIONAL)	FINISH	VOLTAGE	DRIVER	CIRCUITS
2 2'	DMLED(#) downlight modle LED	AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit
3 3'		W white	277 277 V	LT Lutron (1)	2 2 circuits
4 4'		BLK black	347 347 V	BI bi-level dimming	+E(#) emergency circuit (3)
5 5'		C custom	UNV universal	O other (2)	+NL(#) night light circuit (3)
8 8'					+GTD(#) generator transfer device (3)
12 12'					+M MR
S# System Run					
Add 6" per lamp. Specify quantity Separate circuits included Requires 120V or 277V				(1) Specify system (2) Please consult factory; see page 2 <a href="#">Consult Axitune spec sheet for Axis color driver options</a>	(3) Specify quantity

MOUNTING/SUSPENSION	BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
CA(#) drywall+cable length (36" std.) CT9(#) TB/TG 9/16+cable length (36" std.) CT15(#) TB/TG15/16+cable length (36" std.) CTS(#) ST+cable length (36" std.) SA(#) drywall+stem length >48" (18" std.)	B# battery pack (integral)	F fuse (4)	DS# daylight sensor OS# occupancy sensor DOS# daylight & occupancy sensor EN# Enlighted integral (5) ENR# Enlighted remote (5) WC# wireless control dimming	C custom
White canopy standard	Minimum 5ft; Not available with 347V Please consult factory	(4) Requires 120V or 277V	(5) Please consult factory Specify quantity. Requires 8" blank. See integrated controls guide for more details.	Please specify

● **CONSTRUCTION**

<b>Housing</b>	Extruded aluminum (0.075" nominal) Up to 70% recycled content
<b>End Cap</b>	Cast aluminum
<b>Interior Brackets</b>	Die formed sheet steel (20 gauge)
<b>Reflectors</b>	White powder coated sheet steel (22 gauge)
<b>Lenses</b>	Extruded acrylic (0.070" nominal)
<b>Hanger</b>	Die cast aluminum
<b>Suspension</b>	Sliding aircraft cable along product length

● **ELECTRICAL**

<b>Lutron driver*</b>	LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%) <small>*Consult factory</small>
<b>Other drivers</b>	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex LV - line voltage - Advance Mark 10 Xitanium SR - For wireless sensor POE (Power over Ethernet) - Low Voltage Lighting System.
<b>Emergency</b>	Integral emergency battery pack or emergency circuit optional.
<b>Input Voltage</b>	120V, 277V, 347V, UNV.

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

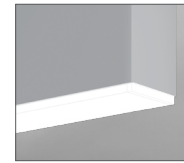
● **LED SYSTEM**

<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-step MacAdam ellipse). Both within fixture and fixture to fixture.
<b>LED life</b>	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
<b>Thermal Management</b>	Aluminum housing acting as the heat sink to maximize life.
<b>Environment</b>	Dry and damp rated in operating ambient temperatures of 0-40°C (32-104F).

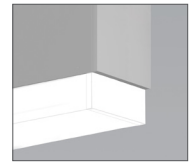
● **OPTICS**



**SO** Spotless lens



**0.25G** Glo lens



**1.25M** 1.25" StepLens

**SPOTLESS LENS**

Frosted acrylic snap-in micro lens

**GLO LENS**

0.25" frosted acrylic drop lens. Patented design.

**STEPLENS**

1.25" StepLens, illuminated end cap.

● **SYSTEM (S#)**

TWIN 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 TWIN BEAM3 SurroundLite that are greater than 12' 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. For more information on systems and joining, please refer to the BEAM installation sheets available for download at [www.axislighting.com](http://www.axislighting.com).

● **WARRANTY**

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

● **Options**

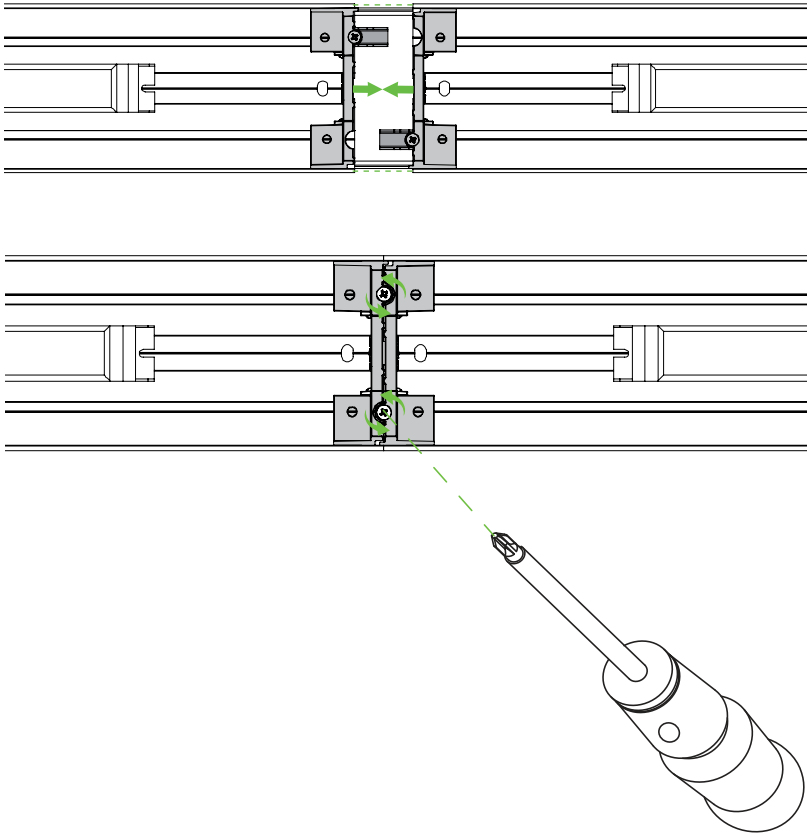
OUTPUT	CRI	COLOR TEMP.	SHIELDING	LENGTH	FINISH	VOLTAGE	DRIVER
400 lm/ft	80	3000 K	FL	2'	white	universal	DP
650 lm/ft		3500 K	1.25M	3'			
850 lm/ft		4000 K		4'			
				5'			
				6'			
				8'			
				12'			

● **JOINERS**

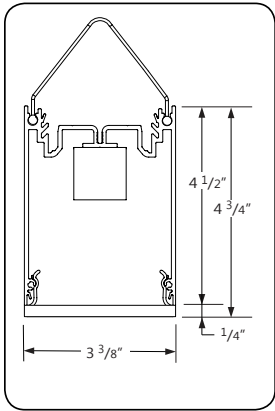
TWIN BEAM3 SurroundLite luminaires feature the joining mechanism shown below. This mechanism joins and aligns multiple luminaires to create long continuous runs of light.

**NOTE:** Mount each system segment individually.

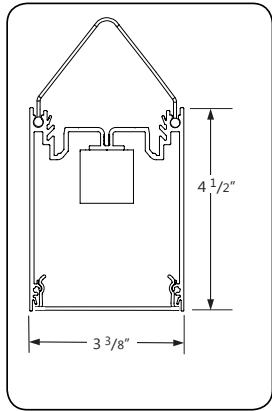
**Do not assemble system prior to mounting**



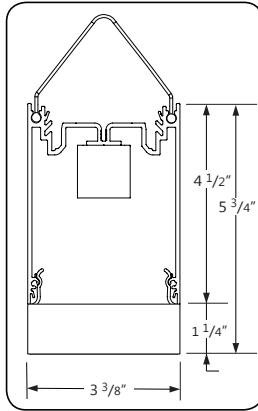
● **SECTION VIEWS**



**0.25G** 0.25" Glo lens - Direct



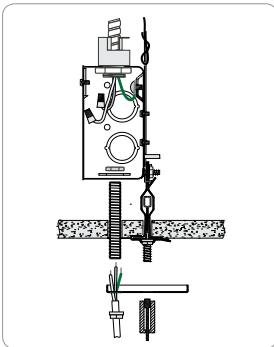
**SO** Spotless lens - Direct



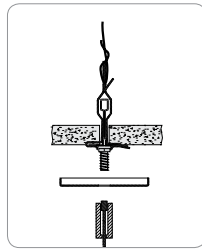
**1.25M** 1.25" StepLens - Direct

● MOUNTING OPTIONS

**CT** TILE CEILING - ON GRID

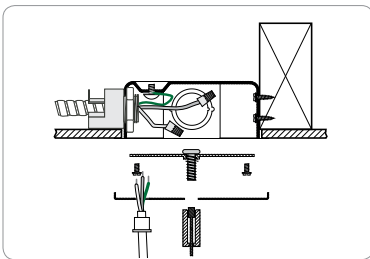


Power feed

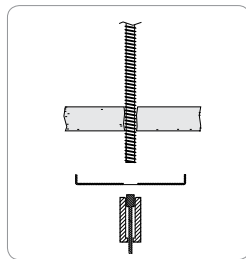


Non power feed

**CA** DRYWALL CEILING

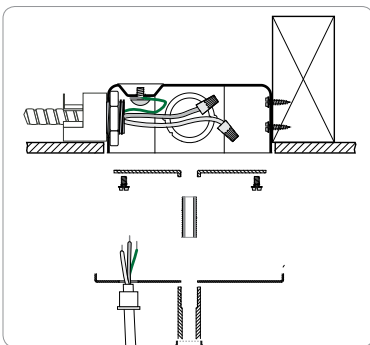


Power feed

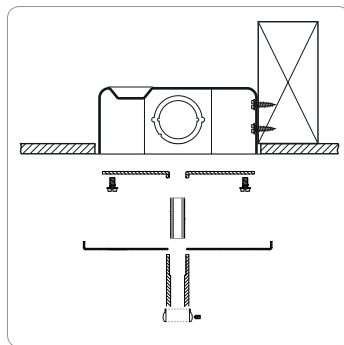


Non power feed

**SA** STEM MOUNT IN DRYWALL CEILING



Power feed



Non power feed

● OTHER MOUNTING OPTIONS

TWIN BEAM3 SurroundLite is also available with wall mounted option.

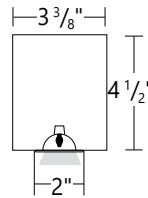
**i** Specification sheets and installation sheets for all mountings for TWIN BEAM3 SurroundLite luminaires are available for download at [www.axislighting.com](http://www.axislighting.com)

● DOWNLIGHT MODLE LED

**Blank DMLED Quantity**

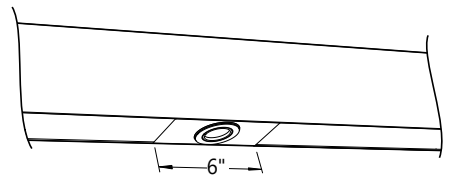
Extruded aluminum (0.075" nominal) 1.4" diameter  
For every 4' section, there may be up to a maximum of 4 x DMLED lamps.  
Each DMLED lamp is placed centered on a blank section 6" in length.

**Spacing**

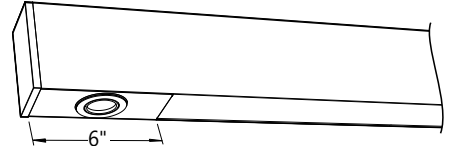


For a series of DM's within a given section length, they will be spaced evenly on a longer blank section.  
The directed light of DMLED lamps are fixed downward.  
Custom spacing may be available on special request.

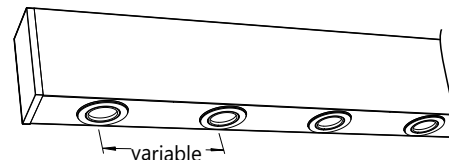
**Between sections**



**At luminaire ends**



**Several in a long blank section**




<b>Beam Angle</b>	45 nominal degrees
<b>Input Watts</b>	3W
<b>Nominal Lumens</b>	50 lumens
<b>Efficacy</b>	17 lumens per watt
<b>Color Rendering Index (CRI)</b>	80
<b>Life</b>	25,000 hours at L <sub>70</sub>
<b>Correlated color temperature (CCT)</b>	2700K

**i** More options are available upon request. Please consult factory.

● FINISH

Aluminium paint, powder coated and custom finishes are also available.

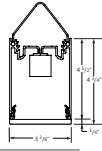
● APPROVALS

Certified to UL and CSA standards   
Meets NYC requirements  
Meets ADA requirements.  
Suitable for damp locations.

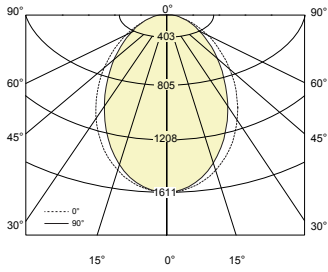
● **PHOTOMETRIC DATA**

**0.25G 0.25" Glo lens**

**Uplight**  
**0 lm/ft**  
**Downlight**  
**500 lm/ft**



**PHOTOMETRIC CURVE**



**Lumen/ft up: 0 lm/ft**  
**Lumen/ft down: 585 lm/ft**  
**Total Lumens: 2338 lm (for 4ft)**  
**Input Watts: 19.6 W**  
**Efficacy: 119 lm/W**

IES FILE: TB3DILED-0-500-80-35-0.25G-4.IES

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1045	1045	1045	1045	1045
5	1038	1038	1036	1035	1035
15	982	978	967	957	952
25	875	865	841	817	807
35	729	715	681	648	634
45	564	550	515	482	468
55	400	391	364	338	328
65	254	250	235	221	215
75	130	132	132	129	127
85	38	45	54	59	61
90	4	14	25	33	36

**ZONAL LUMENS**

Zone	Lumens
0	
0-10	98
10-20	272
20-30	387
30-40	426
40-50	398
50-60	326
60-70	234
70-80	139
80-90	58
90	

**LUMINANCE DATA (cd/m<sup>2</sup>)**

Vertical Angle	Horizontal Angles		
	0	45	90
45	7602	6951	6317
55	6649	6050	5446
65	5721	5304	4846
75	4787	4849	4697
85	4130	5880	6651