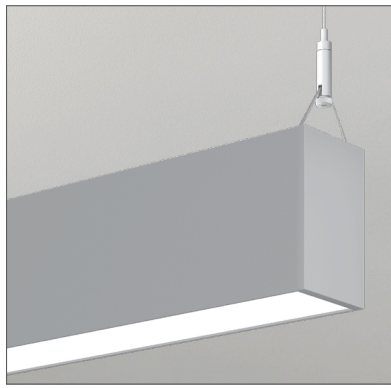


Beam 2

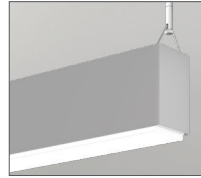
Pendant mount - Direct



Flush Spotless Lens



Louver



Glo Lens

Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1000 lm/ft	9.9 W/ft	97 lm/W	L

Please consult factory for custom lumen output and wattage.

SurroundLite is available with indirect lighting only.



Ordering Guide

TB2DLED		NOM. LUM/FT DOWN		CRI		COLOR TEMP.		SHIELDING	
TB2DLED	Beam2 - 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	L	louver ⁽¹⁾
						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. * 1000 lumens, only for louver.

[Consult Axitune spec sheet for Axis color technology options](#)

Choose only one of the options above; SurroundLite not available with direct lighting only. ⁽¹⁾ Available in 3' and 4' combinations; otherwise consult factory.

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 2 2 circuits +E(#) emergency circuit ⁽⁴⁾ +NL(#) night light circuit ⁽⁴⁾ +GTD(#) generator transfer device ⁽⁴⁾ +M MR
3 3'		W white	277 277 V	LT Lutron ⁽²⁾	
4 4'		BLK black	347 347 V	BI bi-level dimming	
5 5'		C custom	UNV universal	O other ⁽³⁾	
8 8'					
12 12'					
S# System Run					

Add 6" per lamp. Specify quantity. Separate circuits included.

⁽²⁾ Specify system
⁽³⁾ Please consult factory; see page 2
[Consult Axitune spec sheet for Axis color driver options](#)

⁽⁴⁾ 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 ⁽⁵⁾	DS# daylight sensor OS# occupancy sensor DOS# daylight & occupancy sensor EN# Enlighted integral ⁽⁶⁾ ENR# Enlighted remote ⁽⁶⁾ WC# wireless control dimming	C custom
White canopy standard	Minimum 5ft; please consult factory. Not available with 347V.	⁽⁵⁾ Requires 120V or 277V	⁽⁶⁾ Please consult factory. Specify quantity. Requires 8" blank. See pages 4-5 for more details. See integrated controls guide for more details.	Please specify

● SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminum (0.075" nominal) Up to 70% recycled content
End Cap	Cast aluminum
Interior Brackets	Die formed sheet steel (20 gauge)
Reflectors	White powder coated sheet steel (22 gauge)
Louvers	Die formed semi-specular aluminum (22 gauge)
Lenses	Extruded acrylic (0.070" nominal)
Hanger	adjustable slide mount
Suspension	Y shape aircraft cable or Ø 1/2" stem

● ELECTRICAL

Lutron driver	LDE1 - EcoSystem H-Series (1%) LDE5 - EcoSystem 5-Series (5%) LTE - Hi-Lume® A-series 2Wires Forward Phase (1%)
Other drivers	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.
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV.

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

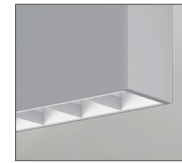
● LED SYSTEM

CRI	Minimum 80 or 90 color rendering index.
CCT	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.
LED life	Minimum 50,000h with 85% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
Thermal Management	Aluminum housing acting as the heat sink to maximize life.
Environment	Dry and damp rated in operating ambient temperatures of 0-40°C (32-104F).
Louver LED	Individual LED cluster in each louver cell.

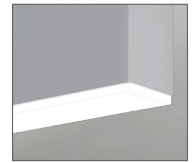
● OPTICS



SO Spotless lens



L Louver



0.25G Glo lens

SPOTLESS LENS

Frosted acrylic snap-in micro lens

PARABOLIC LOUVERS

Die formed semi-specular aluminum (22 gauge)

GLO LENS

0.25" frosted acrylic drop lens. Patented design.

● SYSTEM (S#)

BEAM2 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 BEAM2 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 BEAM2 installation sheets available for download at 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.

● WEIGHT

Direct 4 ft	13.2 lbs / 6.0 kg
Direct 8 ft	26.4 lbs / 12.0 kg
Direct 12 ft	39.6 lbs / 18.0 kg

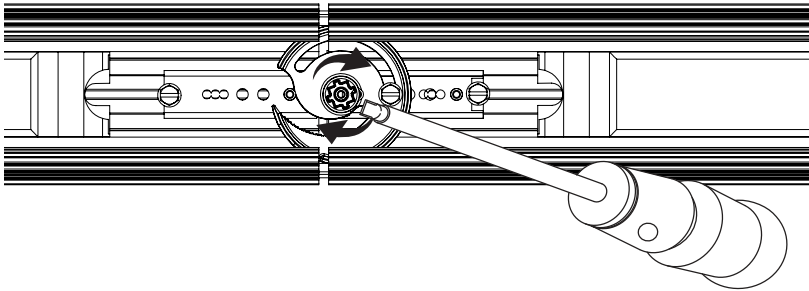
● InstaJoiner

BEAM2 SurroundLite luminaires feature InstaJoiner, a unique, patent-pending joining system developed by Axis offering fast, single-screw tightening.

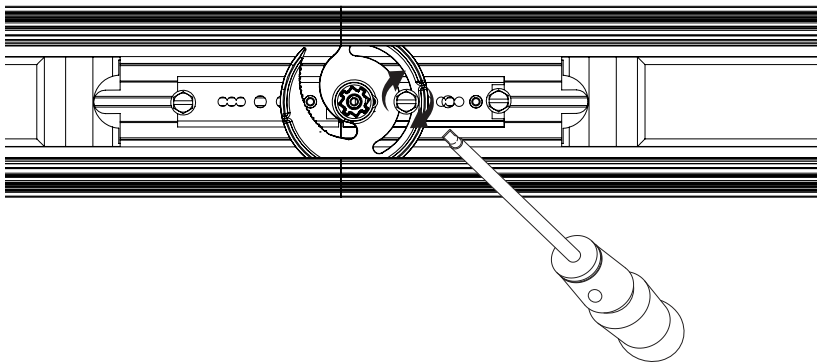
NOTE: Mount each system segment individually.

Do not assemble system prior to mounting

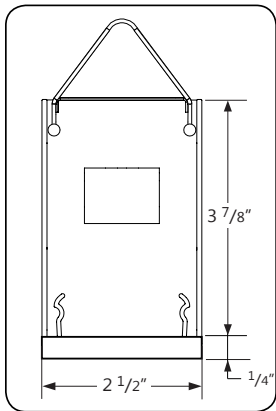
i Allow a minimum of 6" between end of long runs and wall.



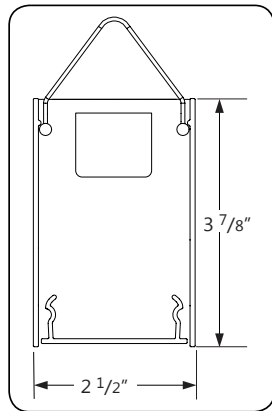
i Patent - Pending



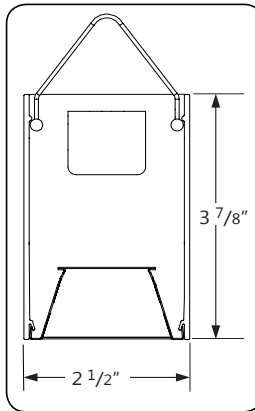
SECTION VIEWS



0.25G 0.25" Glo lens - Direct



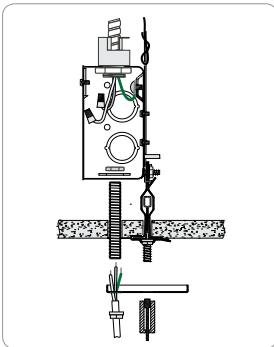
SO Spotless lens - Direct



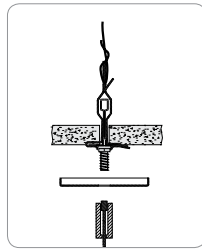
L Louver - Direct

● MOUNTING OPTIONS

CT TILE CEILING - ON GRID

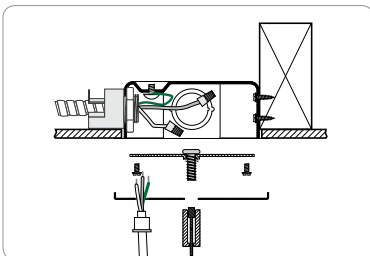


Power feed

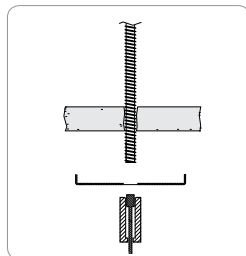


Non power feed

CA DRYWALL CEILING

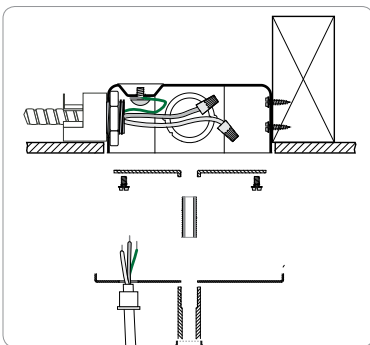


Power feed

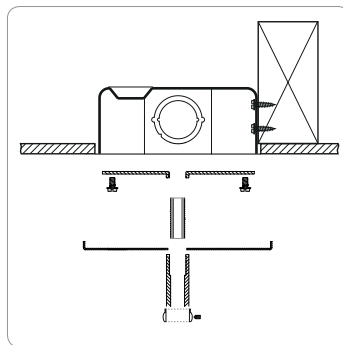


Non power feed

SA STEM MOUNT IN DRYWALL CEILING



Power feed



Non power feed

● OTHER MOUNTING OPTIONS

BEAM2 SurroundLite is also available with wall and horizontal wall mounted options.

- Specification sheets and installation sheets for all mountings for BEAM2 SurroundLite luminaires are available for download at www.axislighting.com

● FINISH

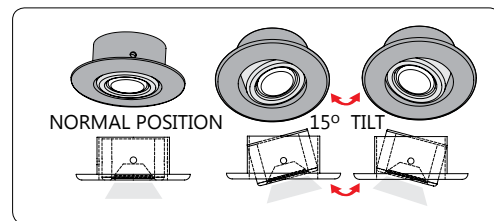
Aluminium paint, powder coated and custom finishes are also available.

● DMLED MODULE

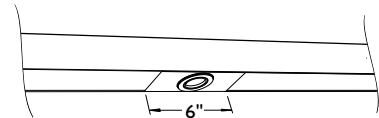
Blank LED Module Quantity Extruded aluminum (0.075" nominal) 2" diameter
For every 4' section, there may be up to a maximum of 4 x DMLED module.
Spacing Each DMLED module is placed centered on a blank section 6" in length.

For a series of modules within a given section length, they will be spaced evenly on a longer blank section.
Custom spacing may be available on special request.

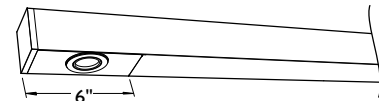
Tilt 15° each side.



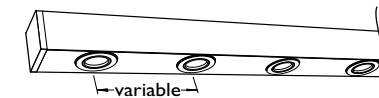
Between sections



At luminaire ends



Several in a long blank section



Beam Angle 30 nominal degrees.
Input Watts 3W
Nominal Lumens 126 lumens
Efficacy 42 lumens per watt
Color Rendering Index (CRI) 80
Life 25,000 hours at L₇₀
Correlated color temperature (CCT) 3000K

- More options are available upon request. Please consult factory.

* See photometric report.

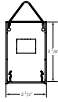
● APPROVALS

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

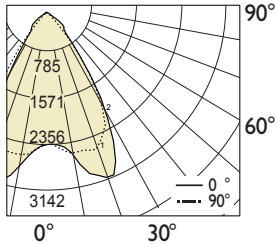


● PHOTOMETRIC DATA

Uplight
0 lm/ft
Downlight
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 0 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 3645 lm (for 4ft)
Input Watts: 39.6 W
Efficacy: 92 lm/W

IES FILE: TB2DILED-0-1000-80-35-L-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	2297	2297	2297	2297	2297
5	2356	2348	2337	2321	2312
15	2483	2504	2693	2915	2904
25	2322	2513	3107	3055	2851
35	1290	1752	2342	1633	1320
45	194	307	658	478	428
55	32	48	76	175	250
65	6	8	13	17	20
75	2	2	3	5	5
85	0	1	1	1	1
90	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	233
10-20	787
20-30	1216
30-40	951
40-50	329
50-60	93
60-70	19
70-80	10
80-90	8
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4597	15642	10171
55	949	2223	7334
65	219	521	807
75	110	208	312
85	77	154	212