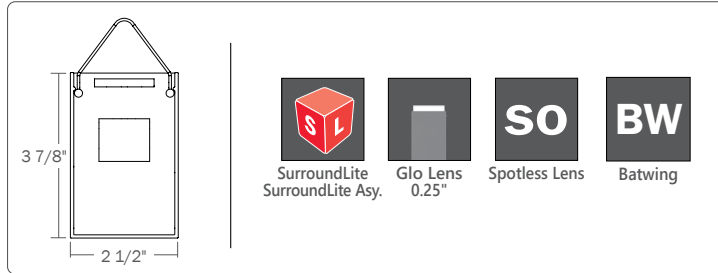
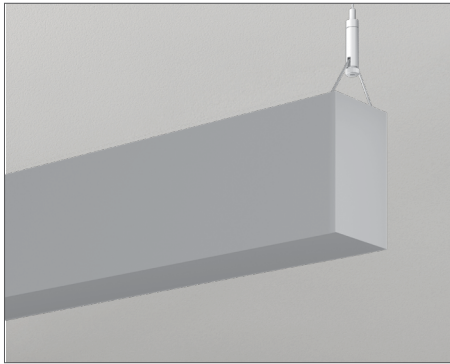


Beam 2 Pendant mount - Indirect



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING I
1100 lm/ft	7.9 W/ft	139 lm/W	0.25G
1100 lm/ft	8.2 W/ft	135 lm/W	SO
1100 lm/ft	9.3 W/ft	118 lm/W	SLA
1100 lm/ft	8.2 W/ft	135 lm/W	SL
1100 lm/ft	7.3 W/ft	149 lm/W	BW

Please consult factory for custom lumen output and wattage.



Ordering Guide

TB2ILED					
PRODUCT ID	NOM. LUM/FT UP	CRI	COLOR TEMP. (choose one)	SHIELDING	
TB2ILED Beam2 - Pendant Indirect LED	300 300 lm/ft-Min 1100 1100 lm/ft-Max	80 80 CRI 90 90 CRI*	27 2700 K 30 3000 K 35 3500 K 40 4000 K B30 3000 K - BIOS* B35 3500 K - BIOS* B40 4000 K - BIOS*	TW2750 2700-5000 K - Tunable White TW2765 2700-6500 K - Tunable White BTW3527 3500-2700 K - Tunable BIOS BTW4027 4000-2700 K - Tunable BIOS	SO spotless lens SL surroundlite SLA surroundlite asymmetric 0.25G 0.25" Glo lens BW batwing*
Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS.		* Not available with BIOS. Consult Axitune technical sheet for more information of color technology. Consult BIOS guide for more information on BIOS technology		Choose only one of the options above; SurroundLite not available with direct. Available in 3' and 4' combinations; otherwise consult factory. * Not available with Tunable White or BIOS.	

LENGTH (FT)	MR (OPTIONAL)	FINISH	VOLTAGE	DRIVER	CIRCUITS
2 2' 3 3' 4 4' 5 5' 8 8' 12 12' S(#) System Run	DMLED(#) downlight module LED	AP aluminum paint W white BLK black C custom	120 120 V 277 277 V 347 347 V UNV universal DC low voltage*	DP dimming (0-10V) 1% LT(#) Lutron* BI bi-level dimming O(#) other** DPB(STC) dimming (0-10V) 1% with BIOS* DPB(DYN) Bio-dimming™ 100%-81% with BIOS* TW(#) tunable white drivers* POE(#) POE drivers*	1 1 circuit 2 2 circuits +E(#) emergency circuit* +NL(#) night light circuit * +GTD(#) generator transfer device* +M MR
Add 6" per lamp. Specify quantity. Separate circuits included. Requires 120V or 277. Available in luminaires with Axitune and BIOS but downlight modules will not be tunable white or BIOS LEDs		* Only available with POE drivers.		* See page 2 to specify system **Please consult factory; see page 2	*Specify quantity

MOUNTING/SUSPENSION	BATTERY (OPT.)	IC CONTROLS (OPT.)	CUSTOM (OPT.)
CA(#) drywall+ cable length (36" std.) CT9(#) TB/TG 9/16+ cable length (36" std.) CT15(#) TB/TG15/16+ cable length (36" std.) CTS(#) screw slot+ cable length (36" std.) SA(#) drywall+ stem length >48" (18" std.) CASL(#) drywall cable sloped ceiling SASL(#) drywall stem sloped ceiling See Mounting kit guide for full specification code. White canopy standard	B(#) battery pack (integral) Minimum 5ft; please consult factory. Not available with 347V.	DS(#) daylight sensor OS(#) occupancy sensor DOS(#) daylight & occupancy sensor EN(#) Enlighted integral* ENR(#) Enlighted remote* WC(#) wireless control dimming *Please consult factory. Specify quantity. Requires 8" blank. See integrated controls guide for more details. Consult factory for Tunable White. Not available with DPB (DYN) driver for BIOS with Dynamic Spectrum.	C custom 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 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black
Other drivers**	DALI - Digital Addressable Lighting Interface DMX - Digital Multiplex Xitanium SR - For wireless sensor
BIOS DPB drivers*	STC - BIOS control 0-10V with static spectrum and BIOS SkyBlue enabled from 100% to 1%. DYN - BIOS control 0-10V with dynamic spectrum and BIOS SkyBlue® with Bio-Dimming™, which changes spectral qualities by removing the SkyBlue component when dimming from 100% to 81%, while light output remains relatively constant; bio-dimming reduces CCT to 2700K. Dimming from 80% to 1% will then reduce light output.
Tunable White TW drivers*	DALIDT6 - DALI Type 6 (Two DALI Addresses) DALIDT8 - DALI Type 8 (One DALI Address)
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
Emergency	Integral emergency battery pack or emergency circuit optional.
Input Voltage	120V, 277V, 347V, UNV, DC.
Flex Whip	Shipped in a separate box for contractors to install

*Choose driver from available options.

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.
CRI BIOS	Minimum 80 color rendering index with R9>75 for all CCTs.
CCT Single Color	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.
CCT BIOS	BIOS Static (STC) Choice of 3000K, 3500K and 4000K. BIOS SkyBlue® Dynamic (DYN) Choice of 3000K, 3500K, and 4000K with Bio-Dimming™ BIOS Tunable White (BTW) Choice of 4000-2700K and 3500-2700K; does not use a bio-dimmer, it uses TW drivers, which allow independent control of CCT and intensity; e.g., BTW4027 provides combined SkyBlue + white light at 4000K, SkyBlue is removed at 2700K. Light output can be adjusted for each CCT. Consult BIOS guide for more information on BIOS technology.
CCT Axitune Systems	Consult Axitune technical sheet for more information on color technology.
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 for indoor use only in operating ambient temperatures of 0-40°C (32-104°F).

● 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 BEAM installation sheets available for download at www.axislighting.com.

● WEIGHT

Indirect 4 ft	13.2 lbs / 6.0 kg
Indirect 8 ft	26.4 lbs / 12.0 kg
Indirect 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.

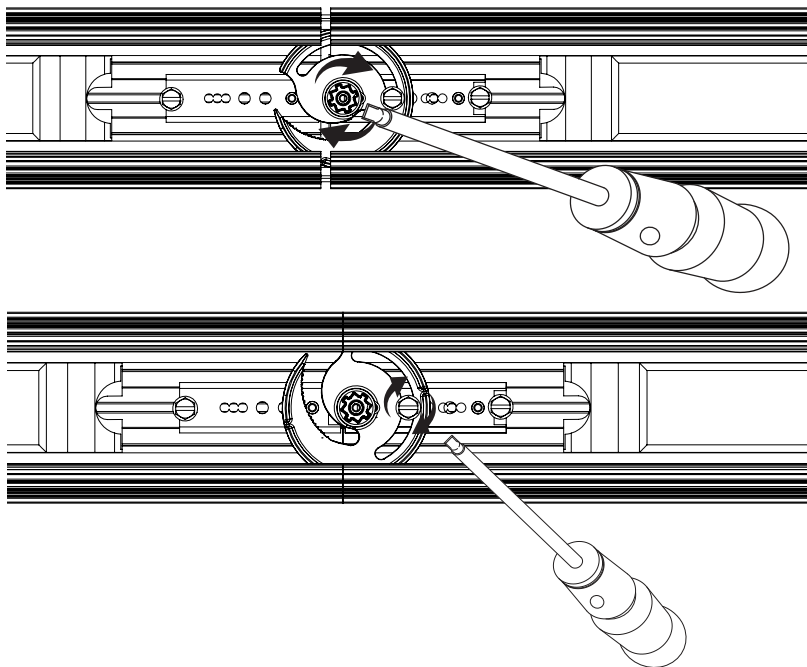
● APPROVALS

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



● 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.

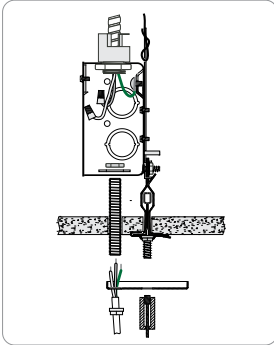


i Patent - Pending

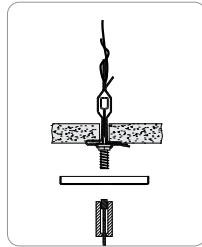
Beam 2 | Pendant mount - Indirect

● MOUNTING OPTIONS

CT TILE CEILING - ON GRID

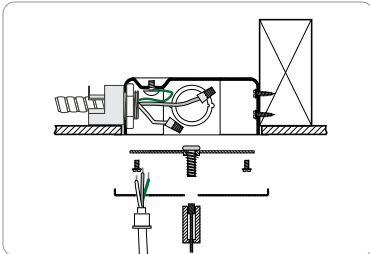


Power feed

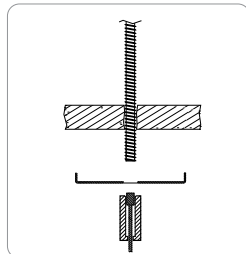


Non power feed

CA DRYWALL CEILING

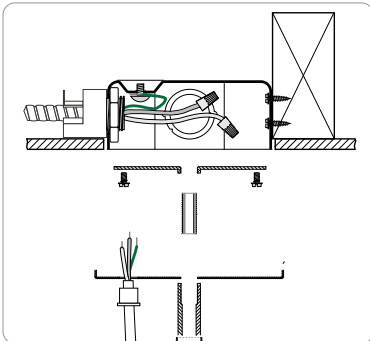


Power feed

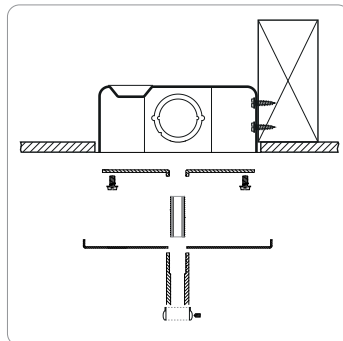


Non power feed

SA STEM MOUNT IN DRYWALL CEILING



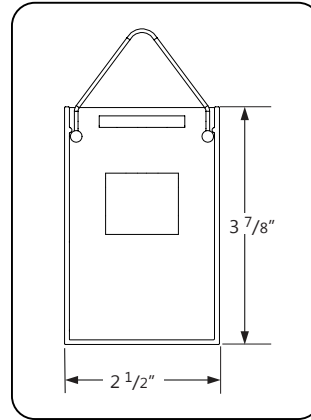
Power feed



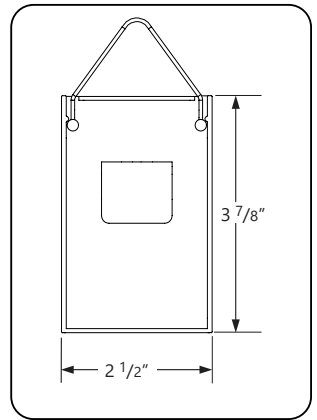
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● SECTION VIEWS

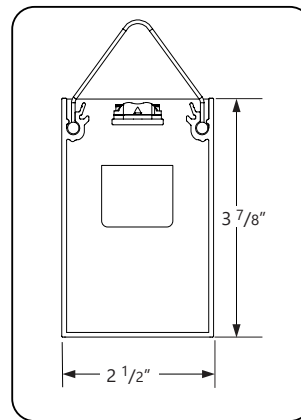
SL SurroundLite SLA SurroundLite Asymmetric



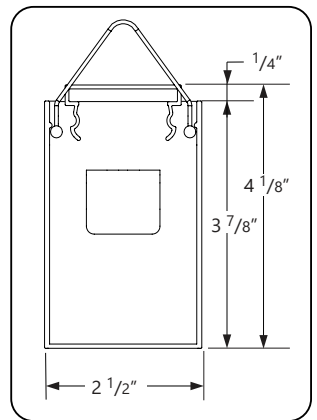
SO Spotless lens



BW Batwing



0.25G 0.25" Glo lens



● OTHER MOUNTING OPTIONS

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

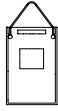
- i** Specification sheets and installation sheets for all mountings for BEAM2 SurroundLite luminaires are available for download at www.axislighting.com

Beam 2 | Pendant mount - Indirect

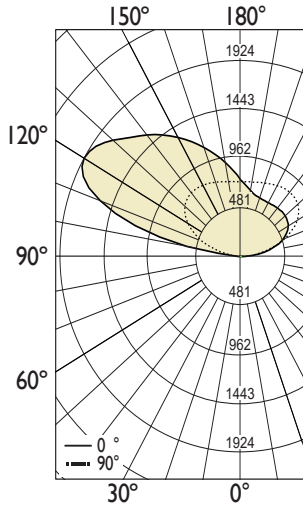
● PHOTOMETRIC DATA

SLA SurroundLite asymmetric

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4400 lm (for 4ft)
Input Watts: 37.3 W
Efficacy: 118 lm/W
 IES FILE: TB2ILED-1100-80-35-SLA-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

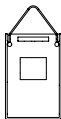
Vertical Angle	Horizontal Angles								
	0	22.5	45	67.5	90	112.5	135	157.5	180
90	12	10	6	6	7	9	11	22	2
95	94	125	127	121	121	128	135	123	48
105	357	338	360	369	373	366	355	337	292
115	600	526	514	529	539	526	512	526	550
125	751	645	602	601	607	600	601	645	724
135	812	693	636	620	620	619	635	694	803
145	811	696	638	614	609	614	638	698	814
155	782	686	634	608	602	609	635	691	789
165	750	687	647	625	620	627	651	696	757
175	733	713	699	692	692	697	709	725	736
180	747	747	747	747	747	747	747	747	747

ZONAL LUMENS

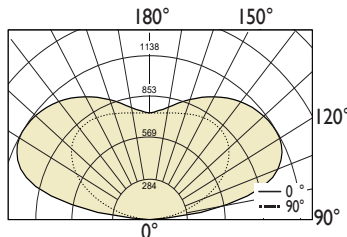
Zone	Lumens
90	
90-100	136
100-110	574
110-120	829
120-130	849
130-140	741
140-150	578
150-160	397
160-170	226
170-180	72
180	

SL SurroundLite

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4400 lm (for 4ft)
Input Watts: 32.7 W
Efficacy: 135 lm/W
 IES FILE: TB2ILED-1100-80-35-SL-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	6	4	5	5	5
95	71	133	167	153	135
105	317	396	556	788	889
115	563	626	771	990	1106
125	731	783	898	1055	1137
135	814	861	948	1053	1101
145	827	867	935	1002	1031
155	801	831	880	922	937
165	767	783	807	829	837
175	745	749	753	757	759
180	741	741	741	741	741

ZONAL LUMENS

Zone	Lumens
90	
90-100	173
100-110	601
110-120	787
120-130	814
130-140	734
140-150	584
150-160	405
160-170	229
170-180	73
180	

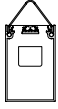
80 CRI shown. To calculate watts and efficacy at 90 CRI, apply a multiplier of 0.8.

i All IES files for other lamping are available for download at: www.axislighting.com

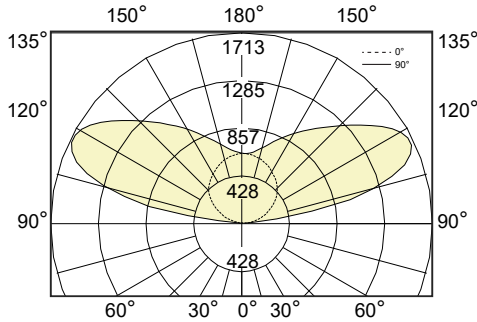
● PHOTOMETRIC DATA

BW Batwing

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1098 lm/ft
Total Lumens: 4390 lm (for 4ft)
Input Watts: 29.38 W
Efficacy: 149 lm/W

IES FILE: TB2ILED-1100-80-35-BW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	3	3	3	3	4
95	30	101	233	106	67
105	130	211	768	1213	1201
115	233	313	759	1464	1660
125	335	418	757	1283	1515
135	423	501	758	1084	1239
145	487	549	732	935	1025
155	544	582	690	804	853
165	592	604	650	695	714
175	620	620	625	630	632
180	625	625	625	625	625

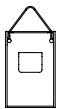
ZONAL LUMENS

Zone	Lumens
90	
90-100	249
100-110	785
110-120	888
120-130	784
130-140	633
140-150	478
150-160	326
160-170	187
170-180	60
180	

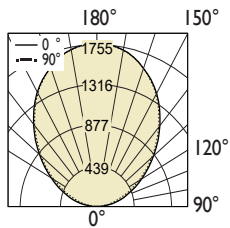
● PHOTOMETRIC DATA

SO Spotless lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4399 lm (for 4ft)
Input Watts: 32.6 W
Efficacy: 135 lm/W

IES FILE: TB2ILED-1100-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	6	12	19	26	30
95	65	85	97	104	110
105	233	250	272	289	299
115	455	464	473	486	495
125	719	719	713	713	720
135	996	992	984	976	980
145	1264	1263	1256	1247	1252
155	1491	1497	1490	1486	1491
165	1654	1659	1660	1660	1664
175	1737	1742	1746	1747	1747
180	1755	1755	1755	1755	1755

ZONAL LUMENS

Zone	Lumens
90	
90-100	100
100-110	284
110-120	476
120-130	652
130-140	772
140-150	793
150-160	689
160-170	468
170-180	166
180	

i All IES files are available for download at: www.axislighting.com

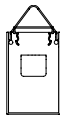
Beam 2

Pendant mount - Indirect

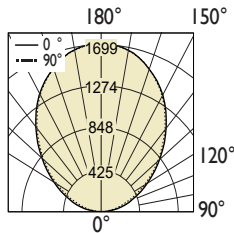
● PHOTOMETRIC DATA

0.25G 0.25" Glo lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4401 lm (for 4ft)
Input Watts: 31.7 W
Efficacy: 139 lm/W

IES FILE: TB2ILED-1100-80-35-0.25G-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
90	7	40	80	110	122
95	61	104	146	176	188
105	219	258	303	337	350
115	427	466	497	526	540
125	678	710	731	745	757
135	951	973	986	992	1000
145	1216	1231	1239	1242	1248
155	1444	1452	1458	1462	1467
165	1602	1606	1614	1617	1622
175	1685	1686	1690	1692	1693
180	1699	1699	1699	1699	1699

ZONAL LUMENS

Zone	Lumens
90	
90-100	148
100-110	310
110-120	486
120-130	647
130-140	755
140-150	771
150-160	669
160-170	454
170-180	160
180	

i All IES files for other lamping are available for download at: www.axislighting.com