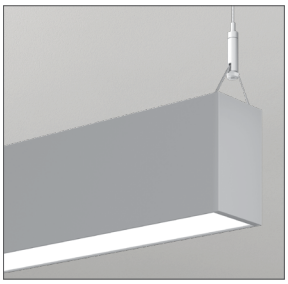
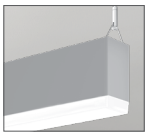
Beam 2 | Pendant mount - Direct / Indirect



Flush Spotless Lens - down
Glo Lens - up



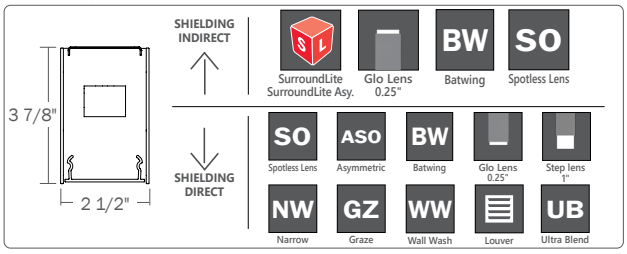
Louver



Step Lens 1''



Glo Lens up and down



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT		INPUT WATTS*	EFFICACY	SHIELDING I/D
UPLIGHT	DOWNLIGHT			
1100 lm/ft	1000 lm/ft	18.4 W/ft	114 lm/W	SL/WFBL
1100 lm/ft	1000 lm/ft	16 W/ft	131 lm/W	BW/0.25G
1100 lm/ft	1000 lm/ft	18.2 W/ft	116 lm/W	SO/BW
1100 lm/ft	1000 lm/ft	18.8 W/ft	112 lm/W	SLA/UB
1100 lm/ft	1000 lm/ft	19 W/ft	111 lm/W	SL/SO
1100 lm/ft	1000 lm/ft	15.6 W/ft	135 lm/W	0.25G/1M
1100 lm/ft	750 lm/ft	14.9 W/ft	128 lm/W	BW/NW
1100 lm/ft	750 lm/ft	15.7 W/ft	122 lm/W	SO/ASO
1100 lm/ft	750 lm/ft	15.8 W/ft	121 lm/W	SL/GZ
1100 lm/ft	750 lm/ft	16.9 W/ft	113 lm/W	SLA/WW

Please consult factory for custom lumen output and wattage.

bios · cULus Listed · 5 Year Limited Warranty · SurroundLite · Axitune Tunable White · PoE · Control

Ordering Guide

TB2DILED

PRODUCT ID		NOM. LUM/FT UP		NOM. LUM/FT DOWN		CRI		COLOR TEMP. (choose one)				SHIELDING INDIRECT	
TB2DILED	Beam2 - Pendant Direct/Indirect LED	**300**	300 lm/ft-Min	**300**	300 lm/ft - **min**	**80**	80 CRI	**27**	2700 K	**TW2750**	2700-5000 K - Tunable White	**SO**	spotless lens
		1100	1100 lm/ft-Max	**750**	750 lm/ft - **max for GZ, NW, WW, ASO***	**90**	90 CRI*	**30**	3000 K	**TW2765**	2700-6500 K - Tunable White	**SL**	surroundlite
				1000	1000 lm/ft - **max**			**35**	3500 K	**BTW3527**	3500-2700 K - Tunable BIOS	**SLA**	surroundlite asym.
								40	4000 K	**BTW4027**	4000-2700 K - Tunable BIOS	**0.25G**	0.25" Glo lens
								B30	3000 K - BIOS*			**BW**	batwing*
								B35	3500 K - BIOS*				
								B40	4000 K - BIOS*				
		Outputs between listed min and max are available. Consult factory for outputs outside of the listed range. Consult factory for max output with BIOS		Outputs between listed min and max are available. * 750 lm/ft max. only for GZ, NW, WW and ASO. 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. * Not available with Tunable White or BIOS.	

SHIELDING DIRECT		LENGTH (FT)		MR (OPTIONAL)		FINISH		VOLTAGE		DRIVER		CIRCUITS	
SO	spotless lens	**2**	2′	**DMLED(#)**	downlight module LED	**AP**	aluminum paint	**120**	120 V	**DP**	dimming (0-10V) 1%	**1**	1 circuit
BFBL	black flat blade louver	**3**	3′			**W**	white	**277**	277 V	**LT(#)**	Lutron*	**2**	2 circuits
WFBL	white flat blade louver	**4**	4′			**BLK**	black	**347**	347 V	**BI**	bi-level dimming	**+E(#)**	emergency circuit*
GFBL	grey flat blade louver	**5**	5′			**C**	custom	**UNV**	universal	**O(#)**	other**	**+NL(#)**	night light circuit*
0.25G	0.25" Glo lens	**8**	8′					**DC**	low voltage*	**DPB(STC)**	dimming (0-10V) 1% with BIOS*	**+GTD(#)**	generator transfer device*
UB	ultra blend lens*	**12**	12′							**DPB(DYN)**	Bio-dimming™ 100%-81% with BIOS*		
1M	StepLens , lum. end cap	**S(L)**	System Run *							**TW(#)**	tunable white drivers*	**+M**	MR
ASO	Asymmetric (flush only)									**POE(#)**	POE drivers*		
BW	Batwing (flush only)												
NW	Narrow (flush only)												
GZ	Graze (flush only)												
WW	Wallwash (flush only)												
Choose only one of the options above; SurroundLite not available with direct. *Default lens for Tunable white and BIOS. Consult factory for other lens.		* SurroundLite available in 1' increments		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 (OPTIONAL)		IC CONTROLS (OPTIONAL)		CUSTOM (OPTIONAL)	
CA(#)	drywall+cable length (36" std.)	**B(#)**	battery pack (integral)	**DS(#)**	daylight sensor	**C**	custom
CT9(#)	TB/TG 9/16+cable length (36" std.)			**OS(#)**	occupancy sensor		
CT15(#)	TB/TG15/16+cable length (36" std.)			**DOS(#)**	daylight & occupancy sensor		
CTS(#)	screw slot+cable length (36" std.)			**EN(#)**	Enlighted integral*		
SA(#)	drywall+stem length >48" (18" std.)			**ENR(#)**	Enlighted remote*		
CASL(#)	drywall cable sloped ceiling			**WC(#)**	wireless control dimming		
SASL(#)	drywall stem sloped ceiling						
See Mounting kit guide for full specification code. White canopy standard		Minimum 5ft; Not available with 347V Please consult factory.		*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.		Please specify	

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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	Thermoplastic, Polycarbonate
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* UL2108 certified for integral or remote driver	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.**

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^{0}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^{0}C (32-104F).

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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. System runs with SurroundLite available in 1' increments only. For more information on systems and joining, please refer to the BEAM installation sheets available for download at www.axislighting.com.

WEIGHT

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

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.

OPTICS



SO Spotless lens
UB Ultra Blend lens



GFBL Grey Flat Blade Louver



0.25G Glo lens



1M 1" Step lens

ULTRA BLEND LENS

Frosted acrylic snap-in micro lens suitable for Tunable White and BIOS applications.

SPOTLESS LENS

Frosted acrylic snap-in micro lens. Used for SO, ASO, BW, NW, GZ and WW shielding options.

FLAT BLADE LOUVERS

Thermoplastic, Policarbonate

GLO LENS

0.25" frosted acrylic drop lens. Patented design.

STEPLENS

1" StepLens, illuminated end cap.

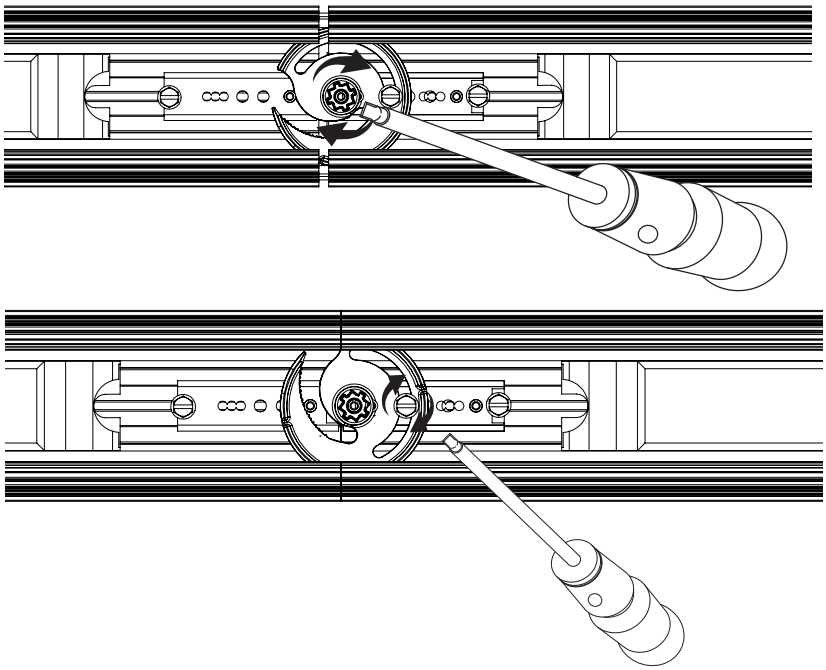
InstaJoiner

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

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

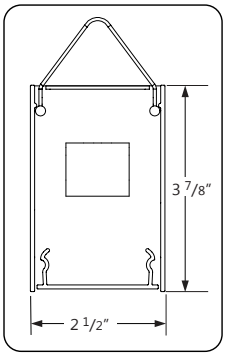


Patent - Pending

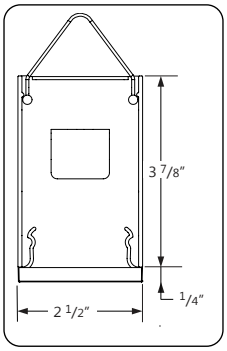
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SECTION VIEWS

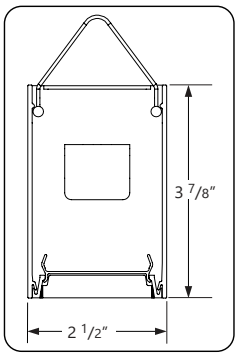
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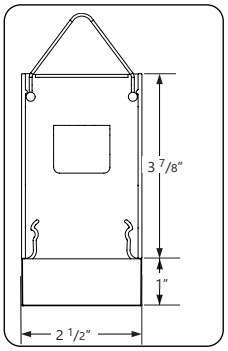
SO Spotless **lens - Indirect**



SO **Spotless lens - Indirect**



SO Spotless **lens - Indirect**



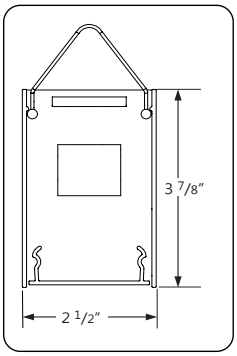
SO Spotless lens - Direct
ASO Asymm. lens - Direct
NW Narrow lens - Direct
WW Wallwash lens - Direct
GZ Graze lens - Direct
BW Batwing lens - Direct
UB Ultra Blend lens - Direct

0.25G 0.25" Glo lens - Direct

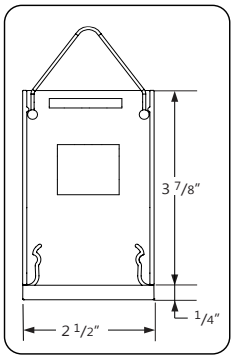
BFBL Black Flat Blade Louver - Direct
WFBL White Flat Blade Louver - Direct
GFBL Grey Flat Blade Louver - Direct

1M 1" Step lens - Direct

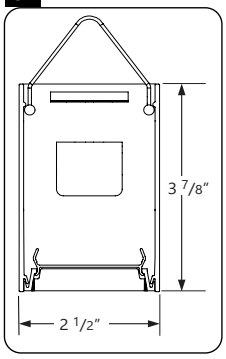
SL **SurroundLite - Indirect**



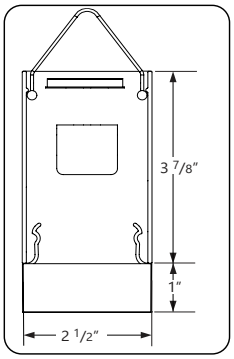
SL **SurroundLite - Indirect**



SL **SurroundLite - Indirect**



SL **SurroundLite - Indirect**



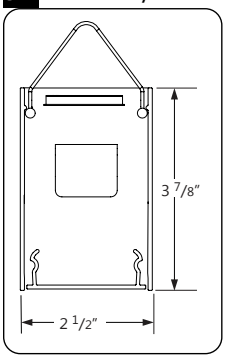
SO Spotless lens - Direct
ASO Asymm. lens - Direct
NW Narrow lens - Direct
WW Wallwash lens - Direct
GZ Graze lens - Direct
BW Batwing lens - Direct
UB Ultra Blend lens - Direct

0.25G 0.25" Glo lens - Direct

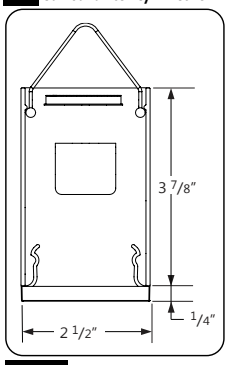
BFBL Black Flat Blade Louver - Direct
WFBL White Flat Blade Louver - Direct
GFBL Grey Flat Blade Louver - Direct

1M 1" Step lens - Direct

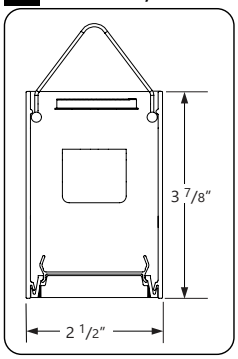
SLA **SurroundLite Asymmetric - Indirect**



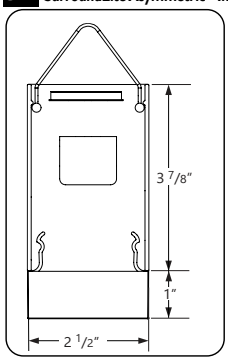
SLA **SurroundLite Asymmetric - Indirect**



SLA **SurroundLite Asymmetric - Indirect**



SLA **SurroundLite Asymmetric - Indirect**



SO Spotless lens - Direct
ASO Asymm. lens - Direct
NW Narrow lens - Direct
WW Wallwash lens - Direct
GZ Graze lens - Direct
BW Batwing lens - Direct
UB Ultra Blend lens - Direct

0.25G 0.25" Glo lens - Direct

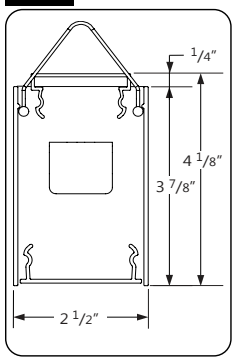
BFBL Black Flat Blade Louver - Direct
WFBL White Flat Blade Louver - Direct
GFBL Grey Flat Blade Louver - Direct

1M 1" Step lens - Direct

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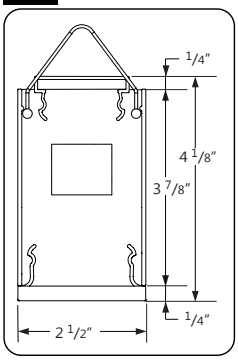
SECTION VIEWS

0.25G 0.25"Glo lens - Indirect



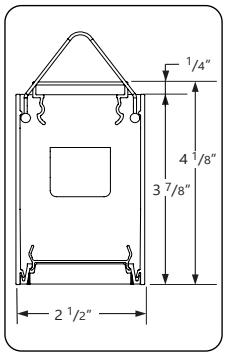
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ASO Asymm. lens - Direct
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WW Wallwash lens - Direct
GZ Graze lens - Direct
BW Batwing lens - Direct
UB Ultra Blend lens - Direct

0.25G 0.25" Glo lens - Indirect



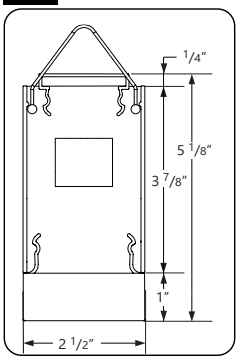
0.25G 0.25" Glo lens - Direct

0.25G 0.25" Glo lens - Indirect



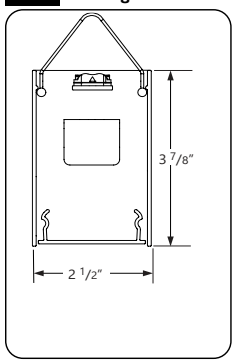
BFBL Black Flat Blade Louver - Direct
WFBL White Flat Blade Louver - Direct
GFBL Grey Flat Blade Louver - Direct

0.25G 0.25" Glo lens - Indirect



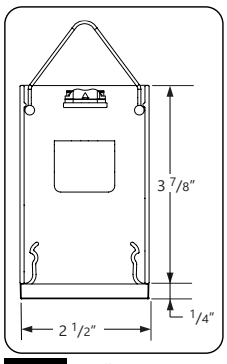
1M 1" Step lens - Direct

BW Batwing - Indirect



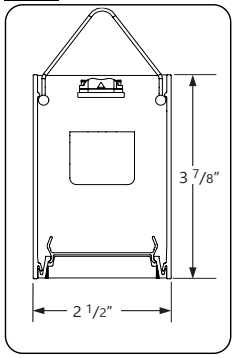
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GZ Graze lens - Direct
BW Batwing lens - Direct
UB Ultra Blend lens - Direct

BW Batwing - Indirect



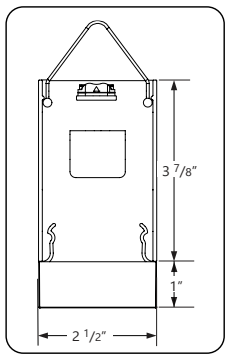
0.25G 0.25" Glo lens - Direct

BW Batwing - Indirect



BFBL Black Flat Blade Louver - Direct
WFBL White Flat Blade Louver - Direct
GFBL Grey Flat Blade Louver - Direct

BW Batwing - Indirect



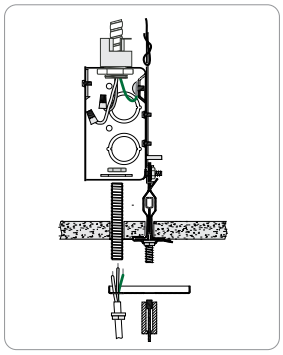
1M 1" Step lens - Direct

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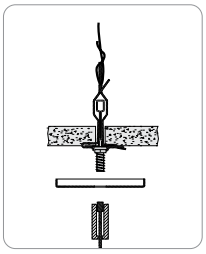
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MOUNTING OPTIONS

CT TILE CEILING - ON GRID

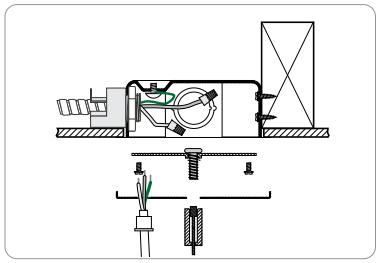


Power feed

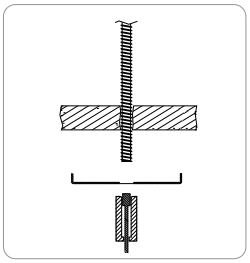


Non power feed

CA DRYWALL CEILING

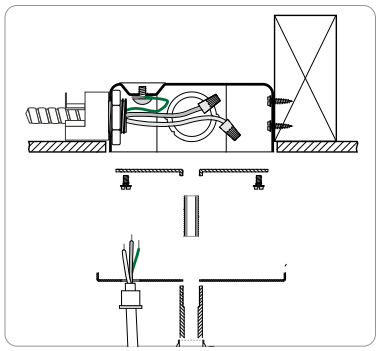


Power feed

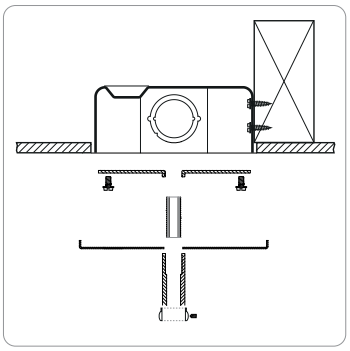


Non power feed

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.

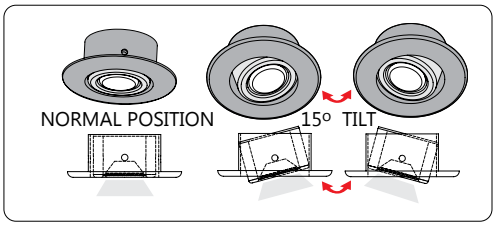
Specification sheets and installation sheets for all mountings for BEAM2 SurroundLite luminaires are available for download at www.axislighting.com

FINISH

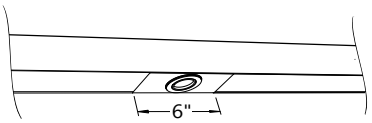
Aluminium paint, powder coated and custom finishes are also available.

DMLED MODULE

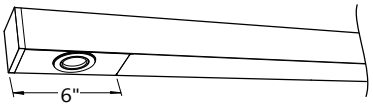
Blank	Extruded aluminum (0.075'' nominal)
LED Module	2'' diameter
Quantity	For every 4' section, there may be up to a maximum of 4 x DMLED module.
Spacing	Each DMLED module is placed centered on a blank section 6'' in length. For a series of modules within a given section length, they will be spaced evenly on a longer blank section. Custom spacing may be available on special request.
Tilt	15° each side.



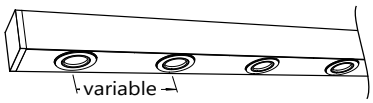
Between sections



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 L_{70}
Correlated color temperature (CCT)	3000K

More options are available upon request. Please consult factory.

APPROVALS

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

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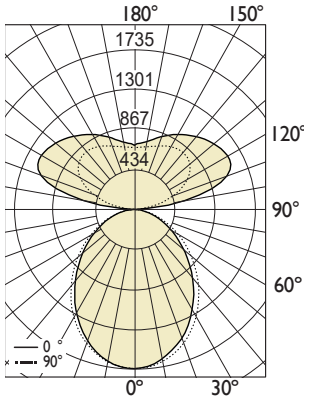
● *PHOTOMETRIC DATA*

SL SurroundLite - **Up**
SO spotless lens - **Down**

Uplight
1100 lm/ft
Downlight
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8400 lm (for 4ft)
Input Watts: 76 W
Efficacy: 111 lm/W
IES FILE: TB2DILED-1100-1000-80-35-SL-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1735	1735	1735	1735	1735
5	1724	1721	1718	1717	1716
15	1635	1623	1606	1593	1589
25	1461	1440	1421	1409	1396
35	1225	1202	1184	1146	1133
45	958	952	918	873	856
55	691	690	654	612	597
65	443	444	413	386	377
75	231	231	217	205	201
85	68	65	60	56	55
90	4	2	3	3	3
95	68	124	155	175	154
105	331	408	564	790	876
115	583	645	785	1020	1162
125	744	800	901	1061	1154
135	812	857	933	1032	1083
145	811	842	907	967	993
155	765	787	841	880	894
165	712	728	768	785	792
175	681	692	723	725	726
180	699	699	699	699	699

ZONAL LUMENS

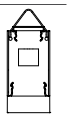
Zone	Lumens
0	
0-10	163
10-20	454
20-30	654
30-40	735
40-50	701
50-60	581
60-70	411
70-80	232
80-90	70
90	
90-100	173
100-110	613
110-120	817
120-130	828
130-140	728
140-150	568
150-160	387
160-170	216
170-180	68
180	

LUMINANCE DATA (cd/m²)

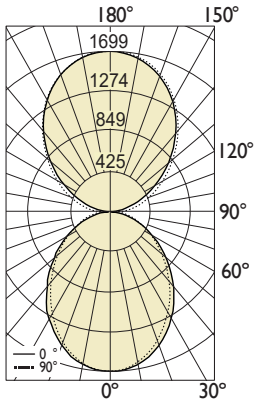
	Horizontal Angles		
Vertical Angle	0	45	90
45	34781	33311	31066
55	30942	29262	26734
65	26895	25081	22890
75	22940	21540	19961
85	19907	17755	16339

0.25G 0.25" Glo lens - **Up**
1M 1" Step lens - **Down**

Uplight
1100 lm/ft
Downlight
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8398 lm (for 4ft)
Input Watts: 62.2 W
Efficacy: 135 lm/W
IES FILE: TB2DILED-1100-1000-80-35-0.25G-1M-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1687	1687	1687	1687	1687
5	1680	1675	1673	1671	1671
15	1589	1579	1566	1554	1550
25	1415	1399	1375	1352	1347
35	1181	1165	1138	1116	1108
45	921	908	893	865	853
55	662	661	650	628	620
65	424	434	431	422	419
75	224	240	254	260	262
85	69	89	113	128	134
90	9	31	56	74	80
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
0	
0-10	158
10-20	441
20-30	632
30-40	711
40-50	681
50-60	573
60-70	422
70-80	263
80-90	119
90	
90-100	145
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	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	16681	16186	15451
55	14794	14520	13842
65	12854	13072	12713
75	11101	12550	12972
85	10087	16574	19731

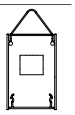
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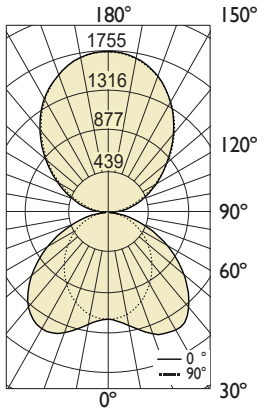
● *PHOTOMETRIC DATA*

SO spotless lens - **Up**
BW batwing lens - **Down**

Uplight
1100 lm/ft
Downlight
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8401 lm (for 4ft)
Input Watts: 72.7 W
Efficacy: 116 lm/W
IES FILE: TB2DILED-1100-1000-80-35-SO-BW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1735	1735	1735	1735	1735
5	1724	1721	1718	1717	1716
15	1635	1623	1606	1593	1589
25	1461	1440	1421	1409	1396
35	1225	1202	1184	1146	1133
45	958	952	918	873	856
55	691	690	654	612	597
65	443	444	413	386	377
75	231	231	217	205	201
85	68	65	60	56	55
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
0	
0-10	112
10-20	343
20-30	565
30-40	721
40-50	760
50-60	671
60-70	491
70-80	268
80-90	70
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	

LUMINANCE DATA (cd/m²)

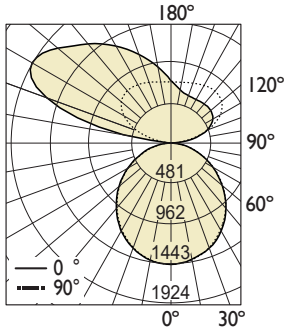
	Horizontal Angles		
Vertical Angle	0	45	90
45	12125	18934	22559
55	11279	17689	21033
65	10379	15826	18510
75	8919	13174	15014
85	5578	8682	9196

SLA SurroundLite Asymmetric - **Up**
UB ultra blend lens - **Down**

Uplight
1100 lm/ft
Downlight
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8401 lm (for 4ft)
Input Watts: 75.1 W
Efficacy: 112 lm/W
IES FILE: TB2DILED-400-1000-80-35-SLA-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1456	1456	1456	1456	1456
5	1449	1448	1448	1447	1447
15	1390	1386	1382	1384	1387
25	1274	1269	1279	1290	1290
35	1114	1113	1129	1128	1128
45	921	932	937	926	922
55	708	720	713	701	697
65	480	491	480	471	470
75	262	267	263	260	260
85	80	78	75	71	71
90	12	10	6	6	7
95	94	125	127	121	121
105	357	338	360	369	373
115	600	526	514	529	539
125	751	645	602	601	607
135	812	693	636	620	620
145	811	696	638	614	609
155	782	686	634	608	602
165	750	687	647	625	620
175	733	713	699	692	692
180	747	747	747	747	747

ZONAL LUMENS

Zone	Lumens
0	
0-10	137
10-20	391
20-30	587
30-40	698
40-50	712
50-60	632
60-70	475
70-80	280
80-90	86
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	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	36488	37089	36522
55	34545	34828	34034
65	31824	31819	31119
75	28370	28468	28144
85	25788	24010	22929

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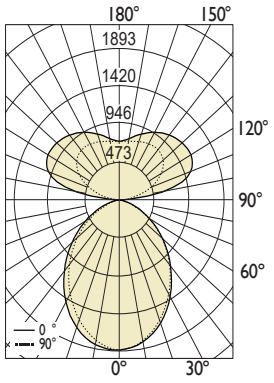
● *PHOTOMETRIC DATA*

SL SurroundLite - **Up**
WFBL white flat blade louver- **Down**

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8380 lm (for 4ft)
Input Watts: 73.7 W
Efficacy: 114 lm/W
IES FILE: TB2DILED-1100-1000-80-35-SL-WFBL-4.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1891	1891	1891	1891	1891
5	1866	1864	1865	1865	1870
15	1718	1713	1720	1733	1748
25	1489	1482	1492	1510	1532
35	1216	1207	1206	1217	1247
45	923	909	898	908	937
55	625	608	599	606	632
65	335	325	328	332	348
75	137	130	128	131	134
85	41	38	33	27	25
90	9	7	7	8	8
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

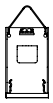
Zone	Lumens
0	
0-10	177
10-20	490
20-30	699
30-40	776
40-50	724
50-60	568
60-70	350
70-80	154
80-90	43
90	
90-100	174
100-110	601
110-120	787
120-130	814
130-140	734
140-150	584
150-160	405
160-170	229
170-180	73
180	0

LUMINANCE DATA (cd/m²)

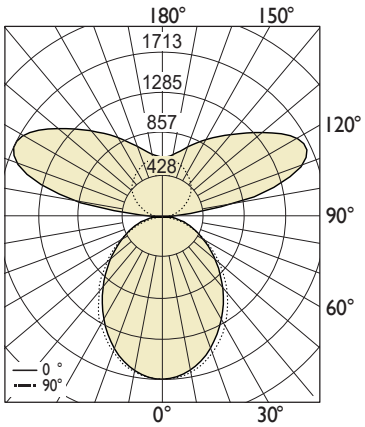
	Horizontal Angles		
Vertical Angle	0	45	90
45	17832	17363	18110
55	14903	14265	15047
65	10830	10604	11244
75	7248	6763	7087
85	6472	5130	3996

BW Batwing - **Up**
0.25G 0.25" Glo lens - **Down**

Uplight
1100 lm/ft
Downlight
1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 1000 lm/ft
Total Lumens: 8384 lm (for 4ft)
Input Watts: 64 W
Efficacy: 131 lm/W
IES FILE: TB2DILED-1100-1000-80-35-BW-0.25G-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1687	1687	1687	1687	1687
5	1680	1675	1673	1671	1671
15	1589	1579	1566	1554	1550
25	1415	1399	1375	1352	1347
35	1181	1165	1138	1116	1108
45	921	908	893	865	853
55	662	661	650	628	620
65	424	434	431	422	419
75	224	240	254	260	262
85	69	89	113	128	134
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
0	
0-10	158
10-20	441
20-30	632
30-40	711
40-50	681
50-60	573
60-70	422
70-80	263
80-90	113
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	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	63176	61300	58516
55	56028	54991	52424
65	48680	49507	48146
75	42041	47528	49127
85	38201	62767	74723

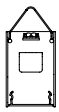
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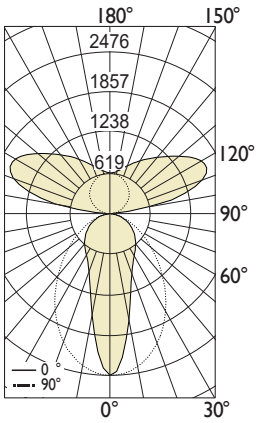
● *PHOTOMETRIC DATA*

BW Batwing lens - **Up**
NW Narrow - **Down**

Uplight
1100 lm/ft
Downlight
750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 750 lm/ft
Total Lumens: 7640 lm (for 4ft)
Input Watts: 59.7 W
Efficacy: 128 lm/W
IES FILE: TB2DILED-1100-750-80-35-BW-NW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	2476	2476	2476	2476	2476
5	2459	2423	2331	2240	2214
15	2275	1994	1558	1313	1249
25	1940	1475	1026	875	844
35	1508	1074	759	691	683
45	1066	779	585	558	559
55	689	544	433	427	433
65	397	339	288	293	301
75	181	164	149	155	161
85	33	33	33	32	32
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

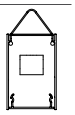
	Lumens
Zone	
0	
0-10	209
10-20	457
20-30	542
30-40	560
40-50	523
50-60	436
60-70	312
70-80	169
80-90	42
90	
90-100	249
100-110	785
110-120	888
120-130	784
130-140	633
140-150	478
150-160	326
160-170	187
170-180	60
180	

LUMINANCE DATA (cd/m²)

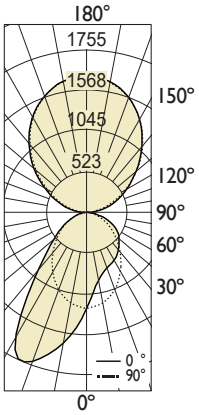
	Horizontal Angles		
Vertical Angle	0	45	90
45	73165	40174	38360
55	58283	36604	36661
65	45632	33016	34593
75	33957	27882	30236
85	18257	18491	17699

SO spotless lens - **Up**
ASO Asymmetric lens - **Down**

Uplight
1100 lm/ft
Downlight
750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 750 lm/ft
Total Lumens: 7649 lm (for 4ft)
Input Watts: 62.9 W
Efficacy: 122 lm/W
IES FILE: TB2DILED-1100-750-80-35-SO-ASO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1243	1243	1243	1243	1243
5	1219	1137	1078	1043	1033
15	1135	937	852	822	815
25	977	771	732	734	738
35	780	635	642	670	684
45	585	510	534	572	596
55	410	382	402	467	508
65	259	249	269	347	386
75	131	127	142	194	214
85	27	27	33	40	38
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

	Lumens
Zone	
0	
0-10	119
10-20	356
20-30	572
30-40	651
40-50	578
50-60	455
60-70	313
70-80	164
80-90	41
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	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	10598	9678	10806
55	9161	8977	11358
65	7853	8157	11692
75	6502	7038	10590
85	3993	4806	5516

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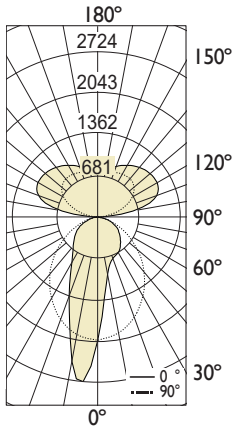
● *PHOTOMETRIC DATA*

SL SurroundLite - **Up**
GZ Graze lens - **Down**

Uplight
1100 lm/ft
Downlight
750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 750 lm/ft
Total Lumens: 7615 lm (for 4ft)
Input Watts: 63 W
Efficacy: 121 lm/W
IES FILE: TB2DILED-1100-750-80-35-SL-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	2033	2033	2033	2033	2033
5	1993	1685	1472	1349	1324
15	1862	1160	894	810	796
25	1635	851	706	695	701
35	1350	669	621	633	640
45	1038	535	520	524	532
55	716	407	396	411	429
65	410	267	267	295	315
75	176	135	140	161	173
85	31	27	30	32	31
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

	Lumens
Zone	
0	
0-10	188
10-20	451
20-30	551
30-40	563
40-50	519
50-60	432
60-70	308
70-80	164
80-90	39
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	

LUMINANCE DATA (cd/m²)

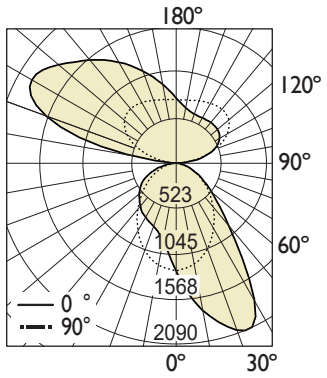
	Horizontal Angles		
Vertical Angle	0	45	90
45	43984	22027	22543
55	37387	20665	22409
65	29057	18927	22303
75	20366	16210	20070
85	10547	10142	10550

SLA SurroundLite Asymmetric - **Up**
WW Wallwash lens - **Down**

Uplight
1100 lm/ft
Downlight
750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft up: 1100 lm/ft
Lumen/ft down: 750 lm/ft
Total Lumens: 7648 lm (for 4ft)
Input Watts: 67.6 W
Efficacy: 113 lm/W
IES FILE: TB2DILED-1100-750-80-35-SLA-WW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

	Horizontal Angles				
Vertical Angle	0	22.5	45	67.5	90
0	1243	1243	1243	1243	1243
5	1217	1318	1410	1469	1495
15	1127	1420	1683	1843	1894
25	965	1440	1870	2054	2084
35	772	1364	1766	1512	1333
45	575	1142	1179	810	716
55	401	797	662	476	437
65	249	453	357	275	254
75	121	195	160	127	117
85	20	34	30	27	26
90	12	10	6	6	7
95	94	125	127	121	121
105	357	338	360	369	373
115	600	526	514	529	539
125	751	645	602	601	607
135	812	693	636	620	620
145	811	696	638	614	609
155	782	686	634	608	602
165	750	687	647	625	620
175	733	713	699	692	692
180	747	747	747	747	747

ZONAL LUMENS

	Lumens
Zone	
0	
0-10	119
10-20	356
20-30	572
30-40	651
40-50	578
50-60	455
60-70	313
70-80	164
80-90	39
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	

LUMINANCE DATA (cd/m²)

	Horizontal Angles		
Vertical Angle	0	45	90
45	22771	46696	28340
55	19553	32313	21334
65	16466	23647	16807
75	13077	17311	12644
85	6407	9756	8283

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