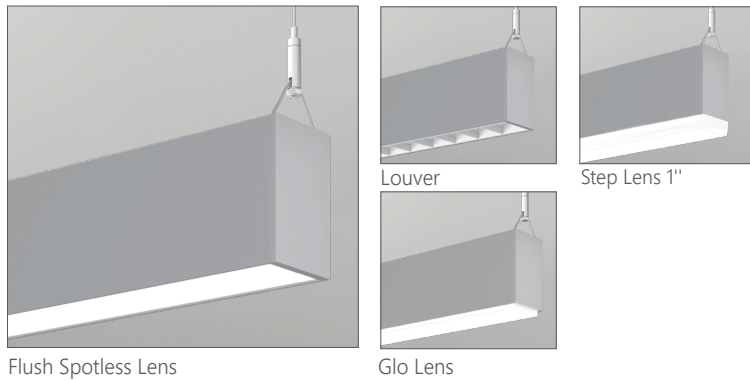


Project _____

Type _____

Notes

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1000 lm/ft	9.4 W/ft	98 lm/W	WFBL
1000 lm/ft	8.6 W/ft	116 lm/W	SO
750 lm/ft	7.6 W/ft	106 lm/W	GZ
750 lm/ft	7.6 W/ft	107 lm/W	NW
1000 lm/ft	10 W/ft	103 lm/W	BW
750 lm/ft	7.6 W/ft	107 lm/W	ASO
750 lm/ft	7.6 W/ft	107 lm/W	WW
1000 lm/ft	8.1 W/ft	124 lm/W	1M
1000 lm/ft	8.7 W/ft	116 lm/W	0.25G
1000 lm/ft	9.5 W/ft	106 lm/W	UB

Please consult factory for custom lumen output and wattage.



Ordering Guide

TB2DLED	PRODUCT ID	NOM. LUM/FT DOWN	CRI	COLOR TEMP. (Choose one)	SHIELDING
TB2DLED	Beam2 - Pendant Direct LED	300 300 lm/ft - min 750 750 lm/ft - max for GZ, NW, WW, ASO.* 1000 1000 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 BFBL black flat blade louver WFBL white flat blade louver GFBL grey flat blade louver 0.25G 0.25" Glo lens UB ultra blend lens* 1M StepLens, lum. end cap ASO Asymmetric (flush only) BW Batwing (flush only) NW Narrow (flush only) GZ Graze (flush only) WW Wallwash (flush only)
		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; SurroundLite not available with direct *Default lens for Tunable white and BIOS. Consult factory for other lens.

LENGTH (FT)	MR (OPTIONAL)	FINISH	VOLTAGE	DRIVER
2 2' 3 3' 4 4' 5 5' 8 8' 12 12' S(L) 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*
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

CIRCUITS	MOUNTING/SUSPENSION	BATTERY (OPT.)	IC CONTROLS (OPT.)	CUSTOM (OPT.)
1 1 circuit 2 2 circuits +E(#) emergency circuit* +NL(#) night light circuit* +GTD(#) generator transfer device* +M MR	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	B(#) battery pack (integral)	DS(#) daylight sensor OS(#) occupancy sensor DOS(#) daylight & occupancy sensor EN(#) Enlighted integral* ENR(#) Enlighted remote* WC(#) wireless control dimming	C custom
*Specify quantity	See Mounting kit guide for full specification code. White canopy standard	Minimum 5ft; please consult factory. Not available with 347V.	*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

● 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*	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

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

● 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.

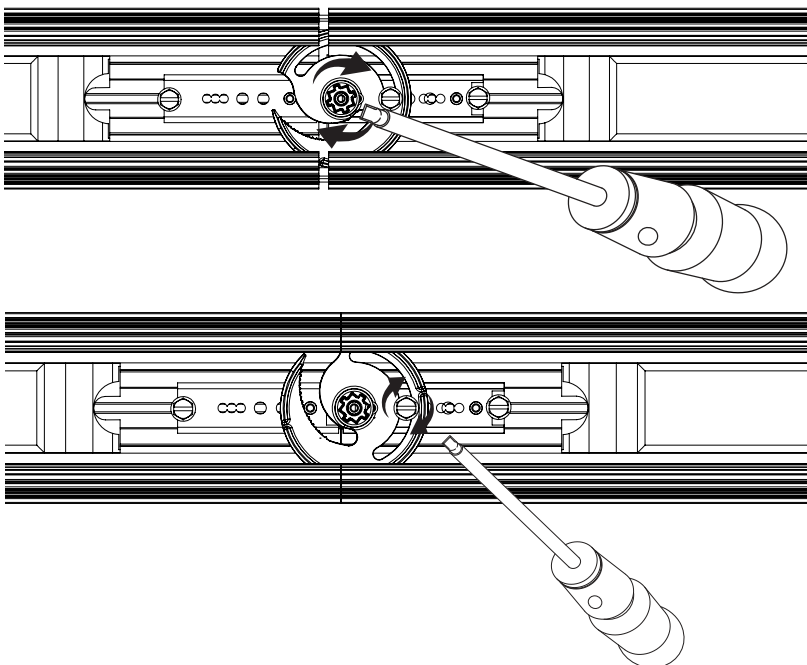
● InstaJoiner

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

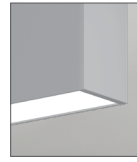
NOTE: Mount each system segment individually.

Do not assemble system prior to mounting

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



● 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, Polycarbonate.

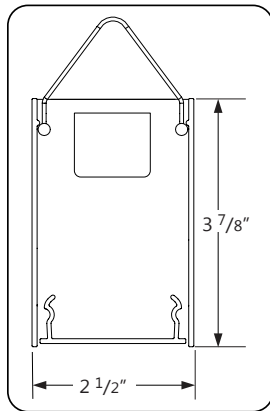
GLO LENS

0.25" frosted acrylic drop lens. Patented design.

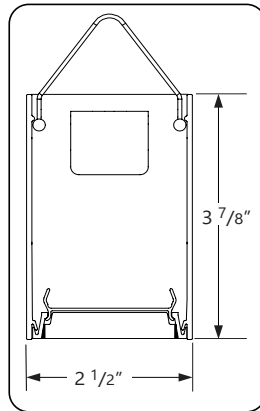
STEPLENS

1" StepLens, illuminated end cap.

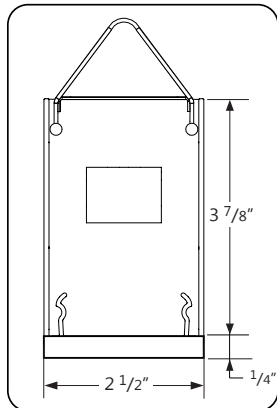
SECTION VIEWS



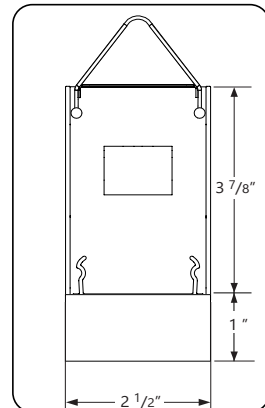
SO Spotless lens
ASO Asymm. lens
NW Narrow lens
GZ Graze lens
WW Wallwash lens
UB Ultra Bend lens
BW Batwing lens



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



0.25G 0.25" Glo lens - Direct



1M StepLens 1" - Direct

DMLED MODULE

Blank LED Module Quantity

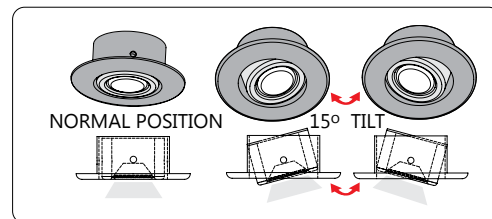
Extruded aluminum (0.075" nominal)
 2" diameter
 For every 4' section, there may be up to a maximum of 4 x DMLED module.
 Each DMLED module is placed centered on a blank section 6" in length.

Spacing

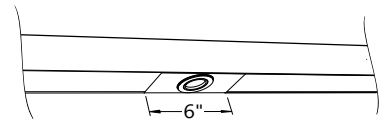
For a series of modules within a given section length, they will be spaced evenly on a longer blank section.
 Custom spacing may be available on special request.

Tilt

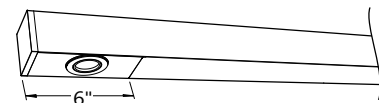
15° each side.



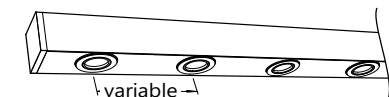
Between sections



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

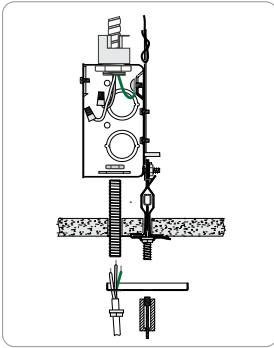
Correlated color temperature (CCT)

3000K

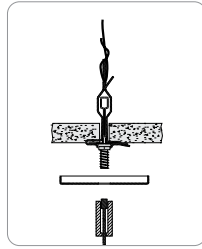
i More options are available upon request.
 Please consult factory.

● MOUNTING OPTIONS

CT TILE CEILING - ON GRID

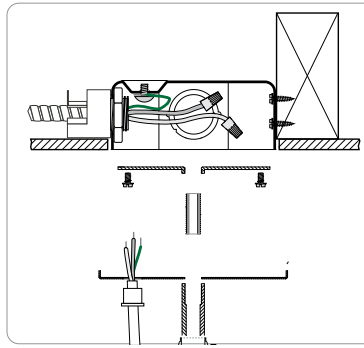


Power feed

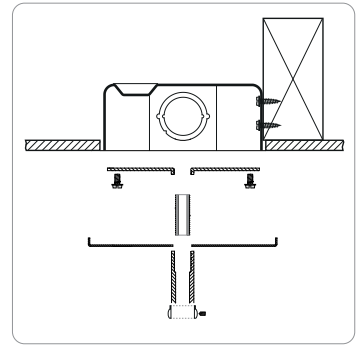


Non power feed

SA STEM MOUNT IN DRYWALL CEILING

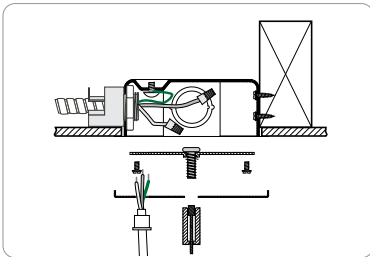


Power feed

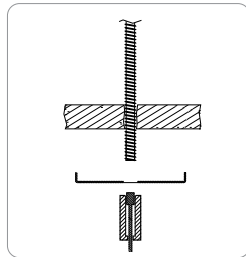


Non power feed

CA DRYWALL CEILING



Power feed



Non power feed

● OTHER MOUNTING OPTIONS

BEAM2 SurroundLite is also available with surface mounted option.

i 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.

● APPROVALS

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



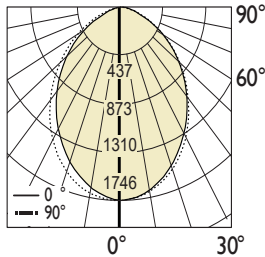
● PHOTOMETRIC DATA

WFBL white flat blade louver

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 918 lm/ft
Total Lumens: 3670 lm (for 4ft)
Input Watts: 37.5 W
Efficacy: 98 lm/W
 IES FILE: TB2DLED-1000-80-35-WFBL-4

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1745	1745	1745	1745	1745
5	1721	1719	1720	1721	1725
15	1585	1581	1587	1599	1613
25	1374	1367	1376	1393	1413
35	1122	1113	1113	1123	1151
45	851	838	829	838	864
55	577	561	552	559	583
65	309	300	302	306	321
75	127	120	118	121	124
85	38	35	30	25	24
90	2	2	2	2	2

ZONAL LUMENS

Zone	Lumens
0	
0-10	163
10-20	452
20-30	645
30-40	716
40-50	668
50-60	524
60-70	322
70-80	142
80-90	39
90	

LUMINANCE DATA (cd/m²)

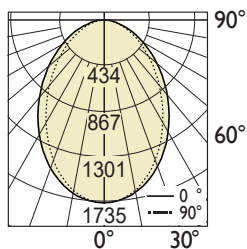
Vertical Angle	Horizontal Angles		
	0	45	90
45	16450	16018	16706
55	13748	13160	13881
65	9991	9782	10372
75	6686	6239	6538
85	5971	4733	3687

SO spotless lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 34.5 W
Efficacy: 116 lm/W
 IES FILE: TB2DLED-1000-80-35-SO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
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	3	3	2	2

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	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	17360	16626	15506
55	15444	14606	13344
65	13424	12519	11425
75	11450	10751	9963
85	9936	8862	8155

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

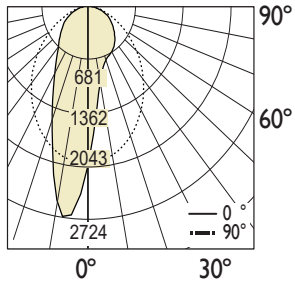
● PHOTOMETRIC DATA

GZ graze

750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 750 lm/ft
Total Lumens: 3214 lm (for 4ft)
Input Watts: 30.3 W
Efficacy: 106 lm/W

IES FILE: TB2DLED-750-80-35-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	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	2	2	2	1	1

ZONAL LUMENS

Zone	Lumens
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	

LUMINANCE DATA (cd/m²)

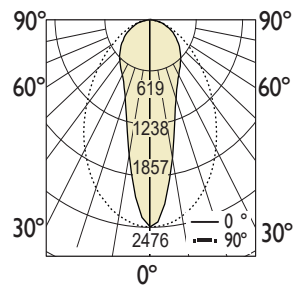
Vertical Angle	Horizontal Angles		
	0	45	90
45	20221	10126	10363
55	17188	9500	10302
65	13358	8701	10253
75	9363	7452	9227
85	4849	4662	4850

NW narrow - Down

750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 750 lm/ft
Total Lumens: 3249 lm (for 4ft)
Input Watts: 30.3 W
Efficacy: 107 lm/W

IES FILE: TB2DLED-750-80-35-NW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	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	2	2	1	1	1

ZONAL LUMENS

Zone	Lumens
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	41
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	20760	11399	10884
55	16538	10386	10402
65	12948	9368	9816
75	9635	7912	8579
85	5180	5247	5022

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

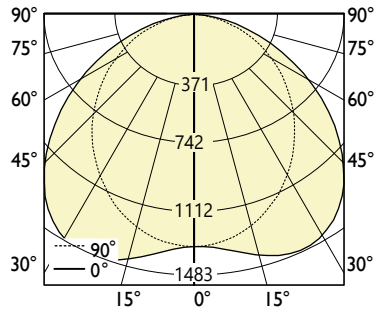
● PHOTOMETRIC DATA

BW Batwing - Down

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 40.1 W
Efficacy: 100 lm/W

IES FILE: TB2DLED-1000-80-35-BW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1166	1166	1166	1166	1166
5	1158	1163	1174	1185	1190
15	1097	1131	1209	1291	1325
25	981	1052	1233	1404	1460
35	831	928	1179	1399	1467
45	669	773	1045	1207	1245
55	505	591	792	918	942
65	342	398	522	599	611
75	180	205	266	299	303
85	38	46	59	62	63
90	3	3	3	3	3

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	68
90	

LUMINANCE DATA (cd/m²)

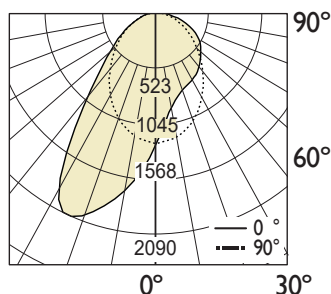
Vertical Angle	Horizontal Angles		
	0	45	90
45	12934	20196	24063
55	12031	18869	22435
65	11071	16882	19744
75	9513	14052	16015
85	5950	9261	9810

ASO Asymmetric

750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft down: 750 lm/ft
Total Lumens: 3247 lm (for 4ft)
Input Watts: 30.3 W
Efficacy: 107 lm/W

IES FILE: TB2DLED-750-80-35-ASO-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	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	2	3	3	2	2

ZONAL LUMENS

Zone	Lumens
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	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	11389	10400	11612
55	9845	9647	12205
65	8439	8765	12564
75	6987	7563	11380
85	4291	5165	5927

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

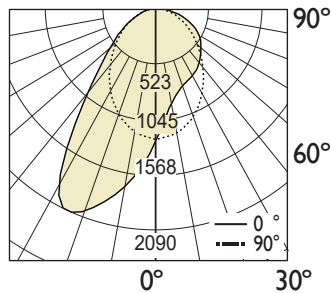
● PHOTOMETRIC DATA

WW Walwash

750 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 750 lm/ft
Total Lumens: 3247 lm (for 4ft)
Input Watts: 30.3 W
Efficacy: 107 lm/W
 IES FILE: TB2DLED-750-80-35-WW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	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	2	3	3	2	2

ZONAL LUMENS

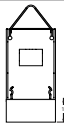
Zone	Lumens
0	
0-10	119
10-20	356
20-30	572
30-40	651
40-50	578
50-60	455
60-70	313
70-80	164
80-90	39
90	

LUMINANCE DATA (cd/m²)

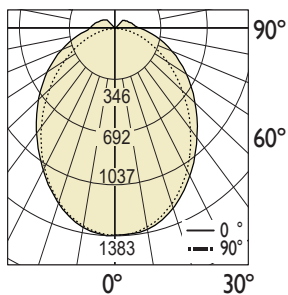
Vertical Angle	Horizontal Angles		
	0	45	90
45	11389	10400	11612
55	9845	9647	12205
65	8439	8765	12564
75	6987	7563	11380
85	4291	5165	5927

1M 1" Step lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4001 lm (for 4ft)
Input Watts: 32.3 W
Efficacy: 124 lm/W
 IES FILE: TB2DLED-750-80-35-1M-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1383	1383	1383	1383	1383
5	1376	1374	1373	1373	1374
15	1298	1296	1296	1292	1290
25	1148	1151	1146	1133	1130
35	947	959	960	960	962
45	725	750	777	786	790
55	512	554	597	620	626
65	326	380	434	464	470
75	174	235	294	326	332
85	58	121	184	215	221
90	17	77	138	168	174
95	15	69	125	153	157
105	12	55	98	129	134
115	11	39	77	99	107
125	8	28	61	82	90

ZONAL LUMENS

Zone	Lumens
0	
0-10	130
10-20	363
20-30	523
30-40	595
40-50	588
50-60	521
60-70	414
70-80	293
80-90	181
90	
90-100	121
100-110	96
110-120	70
120-130	50
130-140	
140-150	
150-160	
160-170	
170-180	56
180	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	13138	14070	14308
55	11442	13338	13993
65	9877	13160	14254
75	8624	14572	16415
85	8583	27063	32445

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

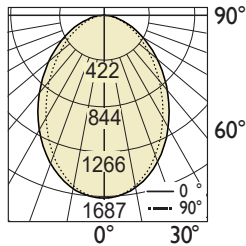
● PHOTOMETRIC DATA

0.25G 0.25" Glo lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 34.6 W
Efficacy: 116 lm/W

IES FILE: TB2DLED-1000-80-35-0.25G-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	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

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	

LUMINANCE DATA (cd/m²)

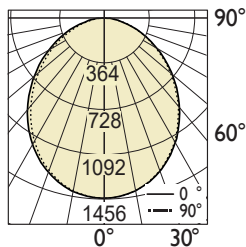
Vertical Angle	Horizontal Angles		
	0	45	90
45	16681	16186	15451
55	14794	14520	13842
65	12854	13072	12713
75	11101	12550	12972
85	10087	16574	19731

UB ultra blend lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4000 lm (for 4ft)
Input Watts: 37.8 W
Efficacy: 106 lm/W

IES FILE: TB2DLED-1000-80-35-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	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	5	3	3	3	3

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	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	16697	16972	16713
55	15808	15937	15574
65	14563	14560	14240
75	12982	13027	12878
85	11800	10987	10492

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