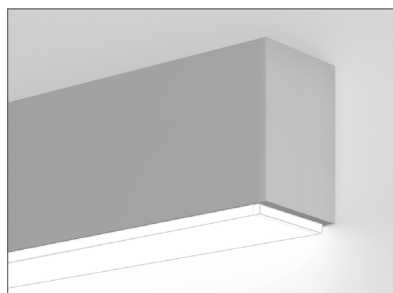
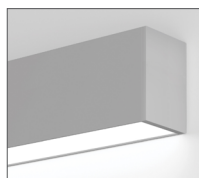


Beam 3

Wall mount - Direct



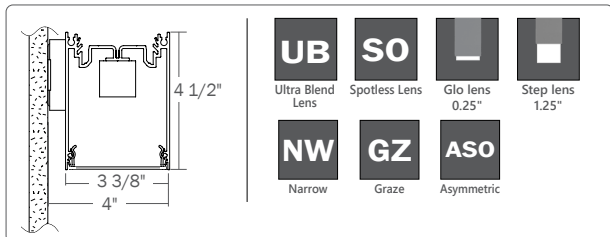
Glo Lens - down



Flush spotless lens down



1.25" StepLens - down



Project _____

Type _____

Notes _____

PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY	SHIELDING
1100 lm/ft	8.8 W/ft	125 lm/W	SO
1100 lm/ft	9.7 W/ft	114 lm/W	UB
1100 lm/ft	8.6 W/ft	128 lm/W	0.25G
1100 lm/ft	8.4 W/ft	131 lm/W	1.25M
1000 lm/ft	9.5 W/ft	112 lm/W	NW
1000 lm/ft	9.4 W/ft	113 lm/W	ASO
1000 lm/ft	9.3 W/ft	114 lm/W	GZ

Please consult factory for custom lumen output and wattage.

Declare.



Ordering Guide

TB3WDLED											
PRODUCT ID		NOM. LUM/FT DOWN		CRI		COLOR TEMP. (choose one)				SHIELDING	
TB3WDLED	BEAM3 - Wall Direct LED	300	300 lm/ft - min	80	80 CRI	27	2700 K	TW2750	2700-5000 K - Tunable White	SO	spotless lens
		1000	1000 lm/ft - max for GZ, NW, ASO.*	90	90 CRI*	30	3000 K	TW2765	2700-6500 K - Tunable White	ASO	asymmetric, flush only
						35	3500 K	BTW3527	3500-2700 K - Tunable BIOS	0.25G	0.25" Glo lens
		1100	1100 lm/ft - max			40	4000 K	BTW4027	4000-2700 K - Tunable BIOS	1.25M	1.25" StepLens, lum. end cap
						B30	3000 K - BIOS*			UB	Ultra blend lens (Flush only)*
						B35	3500 K - BIOS*			NW	narrow, flush only
						B40	4000 K - BIOS*			GZ	graze, flush only
		Outputs between listed min and max are available. * 1000 lm/ft max. only for GZ, NW 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'	M16LED(#)	MR16 LED lamp - Line voltage (by other)*	AP aluminum paint	120	120 V	DP	dimming (0-10V) 1%
3 3'	M16LEDB(#)	MR16 LED lamp - Dimmable (provided)**	W white	277	277 V	LT(#)	Lutron *
4 4'			BLK black	347	347 V	BI	bi-level dimming
5 5'			C custom	UNV	universal	O(#)	other **
8 8'				DC	low voltage*	DPB(STC)	dimming (0-10V) 1% with BIOS*
12 12'						DPB(DYN)	Bio-dimming™ 100%-81% with BIOS*
S(L) System Run						TW(#)	tunable white drivers*
						POE(#)	POE drivers*
		*Specify quantity; Available with 120V or 277V only; Line wattage only; Separate circuits included. **Consult factory; See page 3 for more details; Available with UNV, 120V or 277V only; MR16 constant current for 0-10V & DALI only. Available in 3000K or 4000K. Available in luminaires with Axitune and BIOS but downlight will not be tunable white, color tuning, or BIOS LEDs		* Only available with POE drivers.		* See page 2 to specify system ** Please consult factory; see page 2 Consult factory for other control options.	

CIRCUITS	BATTERY (OPTIONAL)	IC CONTROLS (OPT.)	CUSTOM (OPT.)
1 1 circuit 2 2 circuits +E(#) emergency circuit * +NL(#) night light circuit * +GTD(#) generator transfer device * +M MR	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	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

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)
Lenses	Extruded acrylic (0.070" nominal)
Hanger	Die cast aluminum
Suspension	Sliding aircraft cable along product length

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

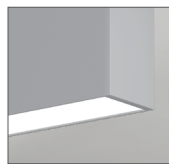
*Choose driver from available options.

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

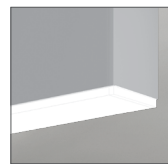
WARRANTY

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.

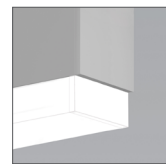
OPTICS



SO Spotless lens
UB Ultra Blend Lens



0.25G Glo lens



1.25M 1.25" StepLens

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, NW, and GZ shielding options.

GLO LENS

0.25" frosted acrylic drop lens. Patented design.

STEPLENS

1.25" StepLens, illuminated end cap.

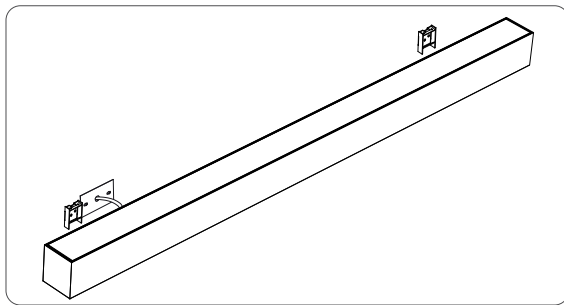
LED SYSTEM

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).

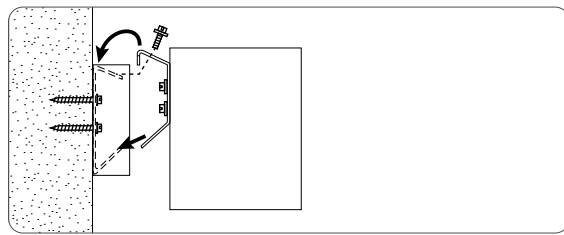
Beam 3 | Wall mount - Direct

● MOUNTING OPTIONS

HORIZONTAL MOUNTING DETAILS



MOUNTING BRACKETS



SIDE VIEW

● OTHER MOUNTING OPTIONS

BEAM3 SurroundLite is also available with pendant mounted option.

- i** Specification sheets and installation sheets for all mountings for BEAM3 SurroundLite luminaires are available for download at www.axislighting.com

● WEIGHT

Wall Direct LED 4 ft	12.3 lbs / 5.0 kg
Wall Direct LED 8 ft	24.6 lbs / 10.1 kg
Wall Direct LED 12 ft	36.9 lbs / 15.1 kg

● FINISH

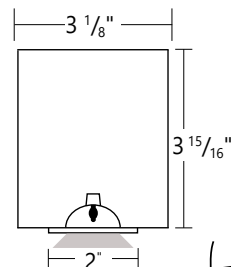
Aluminium paint, powder coated and custom finishes are also available.

● SYSTEM (S#)

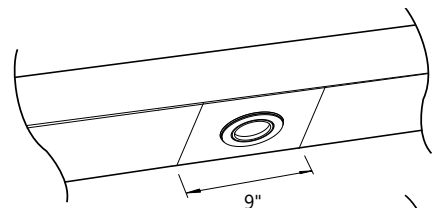
BEAM 3 linear systems, with the use of a strong profile, allow for a nearly hair thin connection system of continuous runs. Lengths of 4', 8', 12' as well as custom lengths are available. Runs of BEAM 3 that are greater than 12' in length are designated as systems (S#). This means that the run is comprised 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.

● MR16 LED LAMPS

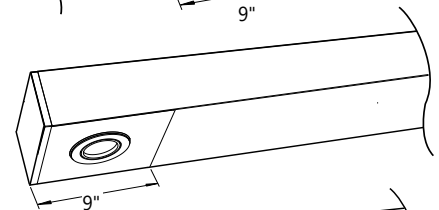
Blank	Extruded aluminum (0.075" nominal)
MR16 LED	Adjustable LED lamp (provided)
MR16 LEDB	Constant current LED lamp (provided)- Dimmable by control system for 0-10V & DALI only
Quantity	For every 4' section, there may be up to a maximum of 4 x MR16 LED lamps.
Spacing	Each MR16 is placed centered on a blank section 9" in length. Within a given section length, a series of downlights will be spaced evenly on a longer blank section. Custom spacing available on special request.



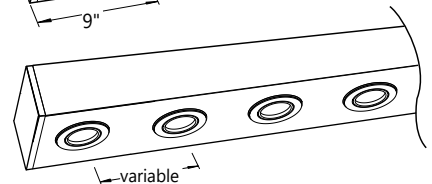
Between
sections



At luminaire
ends



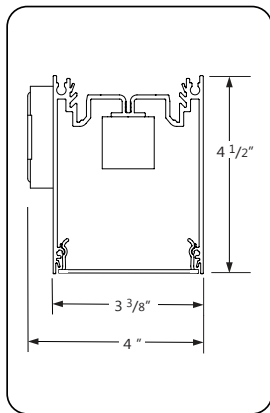
Several in a
long blank
section



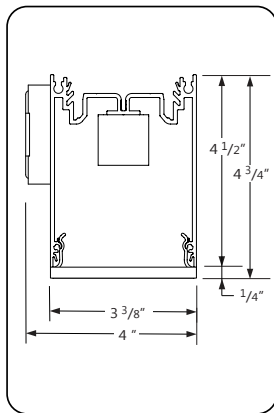
Base Type	GU 5.3
Beam Angle	40 nominal degrees
Input Watts	6W
Nominal Lumens	300 lumens
Efficacy	50 lumens per watt
Color Rendering Index (CRI)	85
Center Beam Candle Power (CBCP)	584 candelas
Life	25,000 hours at L ₇₀
Correlated color temperature (CCT)	3000K, 4000K
Adjustability	15° tilt

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

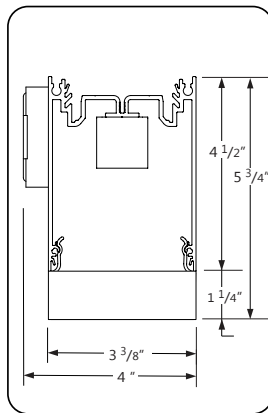
SECTION VIEWS



SO Spotless lens - Direct
ASO Asymm. lens - Direct
NW Narrow lens - Direct
GZ Graze lens - Direct
UB Ultra Blend lens - Direct



0.25G 0.25" Glo lens - Direct



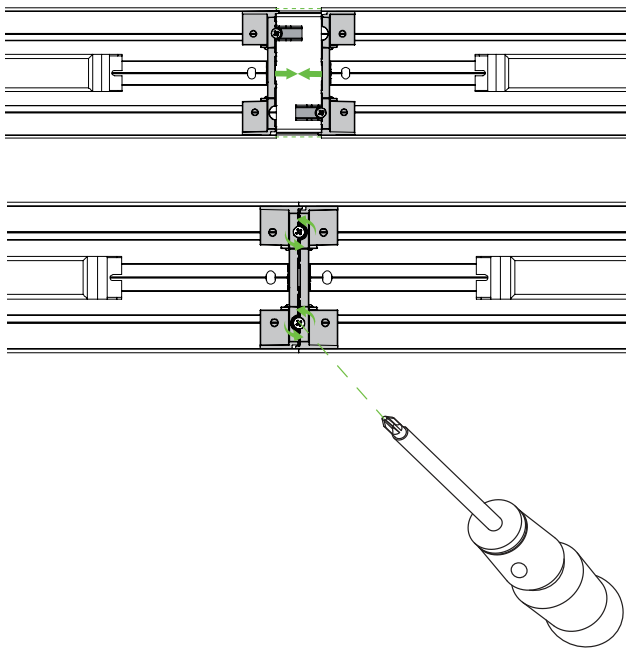
1.25M 1.25" StepLens - Direct

JOINERS

BEAM 3 luminaires feature the joining mechanism shown below. This mechanism joins and aligns multiple luminaires to create long continuous runs of light.

NOTE: Mount each system segment individually.

Do not assemble system prior to mounting



APPROVALS

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



Declare.

Beam 3
Axis Lighting

Final Assembly: Montreal, Quebec, Canada
Life Expectancy: 7 Year(s)
End of Life Options: Recyclable (87.5%), Landfill (12.5%)

Ingredients:

Recessed Housing: Aluminum 6063; Aluminum hydroxide; Titanium dioxide; Barium sulfate; 1,3,5-Triglycidyl-s-triazinetrione; **Extruded White Beam:** Aluminum 6063; Petroleum distillates; Titanium dioxide; Xylene; 1,2,4-Trimethylbenzene; 2-Butoxyethanol; 2-Pentanone; 4-hydroxy-4-methyl-1,3-dioxane; Aromatic 100 (Aromatic naphtha, type 1); Ethanol; Ethylbenzene; n-Butanol; Phenol; 4,4'-(1-methylethylene)bis-, polymer with 2,2'-[1-methylethylene]bis(4,1-phenyleneoxyethylene)bis[oxirane]; Aluminum hydroxide; Toluene; **Lens:** Polymethyl methacrylate; **Reflector:** Aluminum 5052; Polyester Resin; Titanium dioxide; Calcium Carbonate; 1,3,5-Triglycidyl-s-triazinetrione; **End Plate:** Aluminum; Silicon; Copper; Phenol, polymer with formaldehyde; **Bracket:** Steel manufacture, chemicals; (R)-1-chloro-2,3-epoxypropane; Lycodium (powder); Pitch; gilsonite; **Cover:** Steel; **Small Hardware:** 18-8 Stainless Steel; **Wire 1:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 2:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 3:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 4:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **Wire 5:** Copper; Bicyclo[2.2.1]hept-2-ene, 5-ethylidene-, polymer with ethene and 1-propene; Ammonium polyphosphate; **3-Way Connector:** Poly[imino(1,6-dioxo-1,6-hexanediyl)imino-1,6-hexanediyl]; Iron; Copper; **Flange Cap:** Polyvinyl chloride

Living Building Challenge Criteria:

I-13 Red List:
☐ LBC Red List Free % Disclosed: 100% at 100ppm
☐ LBC Red List Approved VOC Content: Not Applicable
☒ Declared

I-10 Interior Performance: Not Compliant
I-14 Responsible Sourcing: Not Applicable

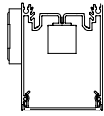
AXS-0001
 EXP. 01 OCT 2024
 Original Issue Date: 2023

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
 INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare

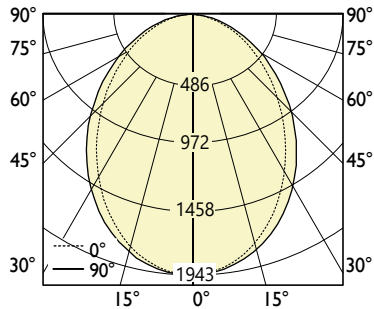
● PHOTOMETRIC DATA

SO Spotless lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4401 lm (for 4ft)
Input Watts: 35.3 W
Efficacy: 125 lm/W

IES FILE: TB3WDLED-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
0	1942	1942	1942	1942	1942
5	1933	1929	1926	1924	1924
15	1832	1820	1805	1791	1787
25	1637	1619	1583	1550	1541
35	1374	1351	1300	1255	1241
45	1075	1052	1003	951	934
55	777	761	716	672	658
65	501	491	459	427	418
75	263	259	244	227	223
85	80	78	72	66	66
90	9	6	5	4	5

ZONAL LUMENS

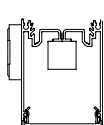
Zone	Lumens
0	
0-10	182
10-20	507
20-30	726
30-40	810
40-50	768
50-60	634
60-70	448
70-80	250
80-90	74
90	

LUMINANCE DATA (cd/m²)

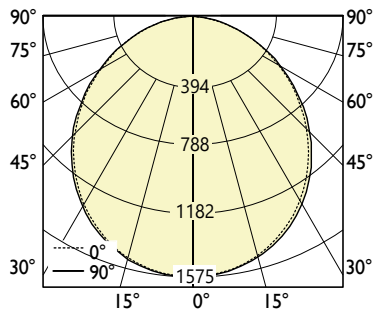
Vertical Angle	Horizontal Angles		
	0	45	90
45	14498	13531	12597
55	12924	11906	10937
65	11296	10353	9428
75	9687	8978	8221
85	8716	7862	7247

UB Ultra blend lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4399 lm (for 4ft)
Input Watts: 38.7 W
Efficacy: 114 lm/W

IES FILE: TB3WDLED-1100-80-35-UB-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1575	1575	1575	1575	1575
5	1569	1569	1568	1569	1569
15	1509	1507	1508	1509	1509
25	1392	1392	1392	1392	1391
35	1229	1228	1228	1224	1222
45	1026	1027	1025	1018	1015
55	795	798	794	786	785
65	546	550	547	542	541
75	301	305	307	305	304
85	95	95	94	91	91
90	8	5	4	3	3

ZONAL LUMENS

Zone	Lumens
0	
0-10	149
10-20	425
20-30	639
30-40	763
40-50	783
50-60	700
60-70	530
70-80	313
80-90	97
90	

LUMINANCE DATA (cd/m²)

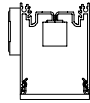
Vertical Angle	Horizontal Angles		
	0	45	90
45	13834	13823	13691
55	13224	13200	13042
65	12321	12343	12198
75	11079	11301	11216
85	10433	10286	9998

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

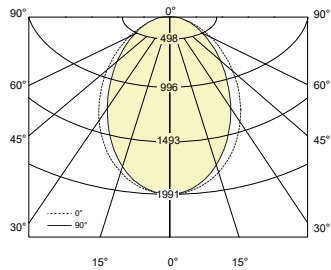
● PHOTOMETRIC DATA

0.25G 0.25" Glo lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4400 lm (for 4ft)

Input Watts: 34.4 W

Efficacy: 128 lm/W

IES FILE: TB3WLED-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
0	1991	1991	1991	1991	1991
5	1978	1976	1975	1974	1975
15	1873	1862	1844	1825	1824
25	1666	1647	1603	1556	1547
35	1384	1357	1291	1228	1211
45	1066	1037	971	906	890
55	753	732	680	631	619
65	473	462	436	408	403
75	243	246	244	239	241
85	73	85	100	109	115
90	11	27	46	59	65

ZONAL LUMENS

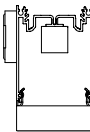
Zone	Lumens
0	
0-10	187
10-20	517
20-30	734
30-40	806
40-50	750
50-60	611
60-70	433
70-80	256
80-90	106
90	

LUMINANCE DATA (cd/m²)

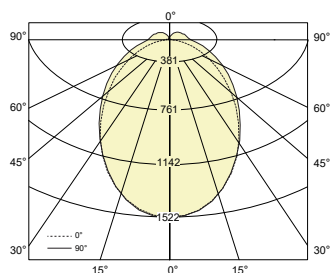
Vertical Angle	Horizontal Angles		
	0	45	90
45	14372	13099	11995
55	12519	11312	10286
65	10664	9831	9091
75	8958	8992	8868
85	7937	10890	12567

1.25M 1.25" Step lens

1100 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1100 lm/ft
Total Lumens: 4400 lm (for 4ft)

Input Watts: 33.7 W

Efficacy: 131 lm/W

IES FILE: TB3WLED-1100-80-35-1.25M-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1522	1522	1522	1522	1522
10	1482	1479	1485	1486	1487
30	1161	1174	1174	1164	1160
50	694	727	751	760	761
70	286	337	388	419	427
90	25	83	145	180	187
110	17	58	98	129	140
130	9	40	73	94	103
150	6	24	44	56	62
170	2	8	15	19	21
180	0	0	0	0	0

ZONAL LUMENS

Zone	Lumens
0	
0-10	143
10-20	402
20-30	580
30-40	659
40-50	647
50-60	569
60-70	449
70-80	314
80-90	191
90	
90-100	127
100-110	107
110-120	82
120-130	62
130-140	0
140-150	0
150-160	0
160-170	0
170-180	70
180	

LUMINANCE DATA (cd/m²)

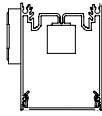
Vertical Angle	Horizontal Angles		
	0	45	90
45	10929	11514	11535
55	9680	10835	11159
65	8474	10621	11382
75	7563	11618	13117
85	8110	21088	25819

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

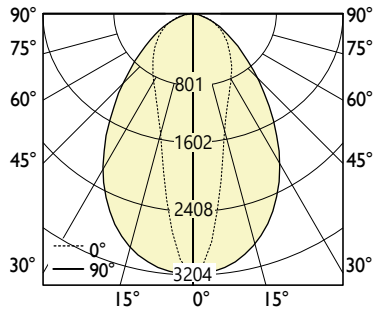
● PHOTOMETRIC DATA

NW Narrow lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft: 1000 lm/ft
Total Lumens: 4257 lm (for 4ft)
Input Watts: 38 W
Efficacy: 112 lm/W

IES FILE: TB3WDLED-1000-80-35-NW-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3204	3204	3204	3204	3204
5	3180	3125	2988	2870	2777
15	2952	2577	2046	1760	1649
25	2484	1924	1402	1224	1173
35	1853	1396	1044	958	933
45	1241	994	787	745	737
55	766	674	561	556	559
65	436	410	359	370	377
75	201	194	175	184	188
85	38	37	34	34	29
90	2	1	1	1	2

ZONAL LUMENS

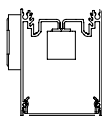
Zone	Lumens
0	
0-10	272
10-20	610
20-30	736
30-40	753
40-50	683
50-60	555
60-70	391
70-80	207
80-90	50
90	

LUMINANCE DATA (cd/m²)

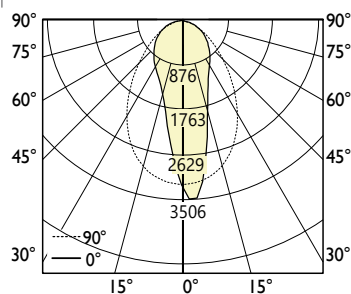
Vertical Angle	Horizontal Angles		
	0	45	90
45	17972	11392	10668
55	13677	10021	9983
65	10567	8693	9148
75	7944	6928	7427
85	4473	3964	3353

GZ Graze lens

1000 lm/ft



PHOTOMETRIC CURVE



Lumen/ft down: 1000 lm/ft
Total Lumens: 4246 lm/4ft)
Input Watts: 37.28 W
Efficacy: 114 lm/W

IES FILE: TB3WDLED-1000-80-35-GZ-4.IES

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	3204	3204	3204	3204	3204
5	3173	3405	3506	3502	3474
15	2964	3194	2574	2128	1976
25	2503	2380	1592	1315	1250
35	1857	1633	1109	994	969
45	1219	1095	814	771	764
55	746	707	576	572	576
65	425	421	367	381	392
75	197	200	182	195	203
85	39	41	40	44	42
90	2	3	2	1	1

ZONAL LUMENS

Zone	Lumens
0	
0-10	279
10-20	626
20-30	744
30-40	750
40-50	673
50-60	542
60-70	380
70-80	202
80-90	49
90	

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	17701	11826	11087
55	13348	10311	10313
65	10329	8924	9521
75	7828	7223	8067
85	4562	4741	4954

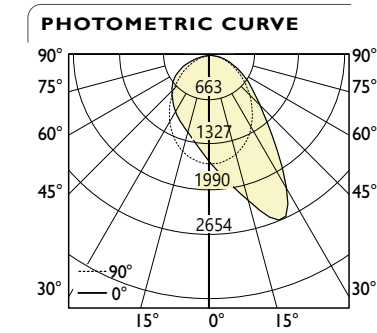
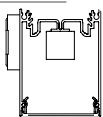
Beam 3

Wall mount - Direct

● PHOTOMETRIC DATA

ASO Asymmetric lens

1000 lm/ft



Lumen/ft down: 1000 lm/ft
Total Lumens: 4259 lm/4ft)
Input Watts: 37.73 W
Efficacy: 113 lm/W
IES FILE: TB3WLED-1000-80-35-ASO-4.IES
TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION					
Vertical Angle	Horizontal Angles				
	0	22.5	45	67.5	90
0	1699	1699	1699	1699	1699
5	1683	1765	1844	1897	1936
15	1583	1847	2127	2340	2439
25	1391	1839	2351	2578	2553
35	1139	1705	2108	1790	1597
45	868	1384	1406	1068	961
55	609	943	850	663	610
65	381	547	480	389	356
75	186	246	215	177	159
85	37	47	41	34	28
90	2	1	1	1	2

ZONAL LUMENS	
Zone	Lumens
0	
0-10	162
10-20	481
20-30	751
30-40	829
40-50	748
50-60	599
60-70	416
70-80	219
80-90	55
90	

LUMINANCE DATA (cd/m²)			
Vertical Angle	Horizontal Angles		
	0	45	90
45	12569	20360	13917
55	10877	15171	10892
65	9224	11630	8628
75	7348	8494	6301
85	4347	4825	3330