

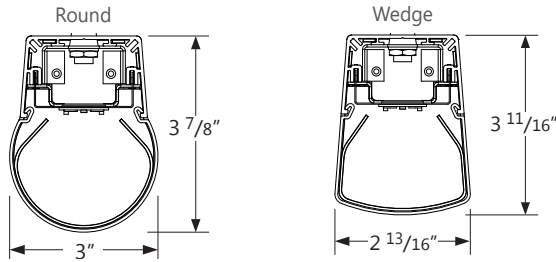
Prime LED | Surface mount



Project _____

Type _____

Notes _____



PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
500 lm/ft	5.27 W/ft	102 lm/W
600 lm/ft	5.45 W/ft	111 lm/W
800 lm/ft	7.17 W/ft	111 lm/W
1000 lm/ft	8.95 W/ft	112 lm/W

Please consult factory for custom lumen output and wattage.



Ordering Guide

PRODUCT ID	NOM. LUMENS/FT	CRI	COLOUR TEMP. (choose one)	SHIELDING	LENGTH/FT
PRSLED Round Surface LED	500 500 lm/ft - Min	80 80 CRI	27 2700 K	S satin lens	2 2'
PWSLED Wedge Surface LED	1000 1000 lm/ft - Max	90 90 CRI*	TW2750 2700-5000 K - Tunable White		4 4'
			30 3000 K		6 6'
			35 3500 K		8 8'
			40 4000 K		12 12'
			B30 3000 K - BIOS*		S(L) system run
			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	* Not available with BIOS.	Consult Axitune technical sheet for more information on color technology. *Consult BIOS guide for more information on BIOS technology.		1' increment, minimum 2'

FINISH	VOLTAGE	DRIVER	CIRCUITS	MOUNTING/SUSPENSION
AP aluminum paint	120 120 V	DP dimming (0-10V) 1%	1 1 circuit	SB9 surface TB/TG 9/16
W white	277 277 V	LT(#) Lutron *	2 2 circuits	SB15 surface TB/TG 15/16
BLK black	347 347 V	BI bi-level dimming	+E(#) emergency circuit*	SBS surface ST
C custom	UNV universal	O(#) other **	+NL(#) night light circuit*	S surface drywall ceiling
	DC low voltage*	DPB(STC) dimming (0-10V) 1% with BIOS*	+GTD(#) generator transfer device*	SC surface solid ceiling
		DPB(DYN) Bio-dimming™ 100%-81% with BIOS*		
		TW(#) tunable white drivers*		
		POE(#) POE drivers*		
	* Only available with POE drivers.	* See page 2 to specify system ** Please consult factory; see page 2	* Specify quantity	

BATTERY (OPTIONAL)	OTHER (OPTIONAL)	IC CONTROLS (OPTIONAL)	CUSTOM (OPTIONAL)
B(#) battery pack 4' sections	FW# flex whip (6' std)	DS(#) daylight sensor	C custom
		OS(#) occupancy sensor	
		DOS(#) daylight & occupancy sensor	
		EN(#) Enlighted integral*	
		ENR(#) Enlighted remote*	
		WC(#) wireless control dimming	
Specify quantity Not available with 347V Please consult factory		*Please consult factory Specify quantity. Requires a 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

● ELECTRICAL

Lutron driver*	LDE1 - Hi-lume 1% EcoSystem with Soft-on, Fade-to-Black LTEA - Hi-lume 1% 2-wire (120V forward phase only) *Consult factory
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) LTTW - Lutron T-Series Tunable White
Power over Ethernet POE drivers*	MOLEX IGOR SMARTENGINE O - Other (Consult factory)
UL2108 certified for integral or remote driver	
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 in operating ambient temperatures of 0-40°C (32-104F).

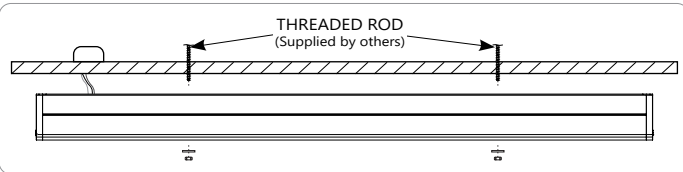
Prime LED | Surface mount

● LIGHT DISTRIBUTION

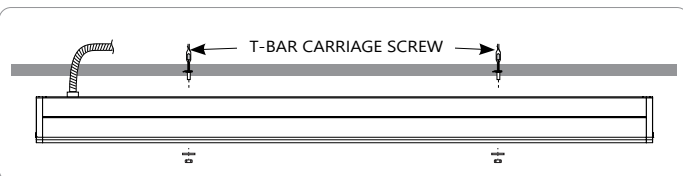


semi-direct

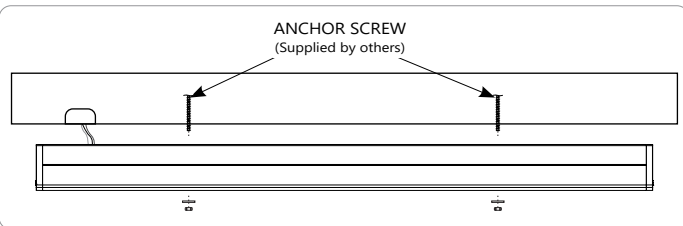
● MOUNTING DETAILS



S SURFACE MOUNT DRYWALL CEILING



SB9 **SB15** **SBS** SURFACE MOUNT T-BAR CEILING



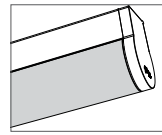
SC SURFACE MOUNT SOLID CEILING

i Installation sheets for all mounting options are available at www.axislighting.com

● FINISH

Powder coated and custom finishes are also available.

● OPTICS



S satin lens

SATIN LENS

PMMA satin finish (0.060" nominal) 68% trans.

● SYSTEMS (S#)

Runs of PRIME LED that are greater than 12ft in length are designated as systems (S#). This means that the run is comprised of a combination of sections to be assembled on site using our joining system. The run is comprised of a combination of sections to be assembled on site using our joining system, maximum 4' lens with joining end cap. For more information on systems and joining, please refer to the PRIME LED installation sheets available for download at www.axislighting.com

● SPECIFICATIONS

CONSTRUCTION

Housing	Extruded aluminium (0.070" nominal) up to 70% recycled content
End Cap	Die cast zinc (0.080" nominal)
Joiners	Die cast zinc (0.070" nominal)
Interior Brackets	Die formed sheet steel (20 gauge)
Reflectors	Die formed sheet steel (18 gauge)
Lens joiners	Die cast zinc (0.070" nominal)
Satin lens	PMMA satin finish (0.060" nominal) 68% trans.

● OTHER MOUNTING OPTIONS


PRIME LED is also available in pendant and wall mounted options.

i Specification sheets for all mounting options are available for download at www.axislighting.com

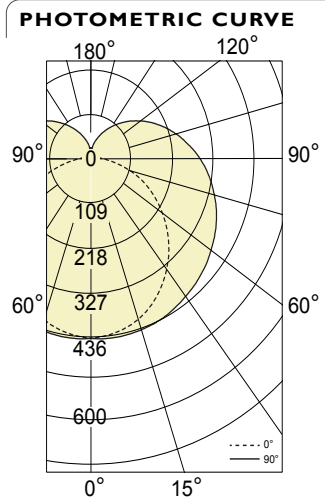
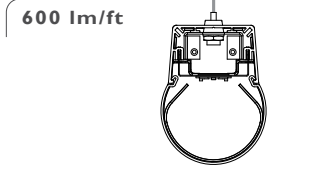
● WEIGHT

Surface LED 4 ft	8 lbs / 3.9 kg
Surface LED 8 ft	16 lbs / 7.7 Kg
Surface LED 12 ft	25 lbs / 11.6 Kg

● APPROVALS

Certified to UL and CUL standards  US
Suitable for damp locations.

PHOTOMETRIC DATA



Luminaire Lumens: 600 lm/ft
Input Watts: 5.45 W/ft
Efficacy: 111 lm/W
 IES FILE: PRLD-B3-MF-600-80-35-4.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

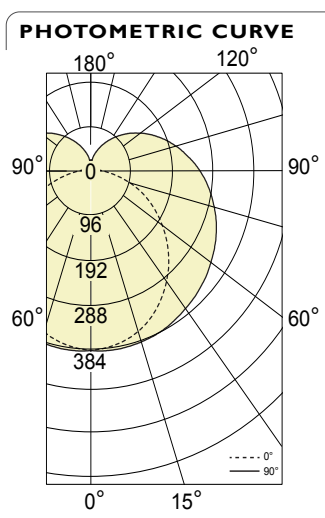
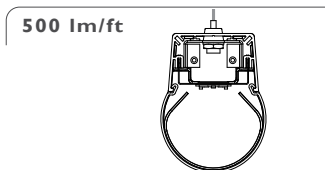
Vertical Angle	Horizontal Angles				
	0	22.5	45.0	67.5	90
0	432	432	432	432	432
5	428	431	430	432	434
15	412	418	422	428	432
25	381	390	404	419	426
35	337	351	379	403	414
45	283	304	348	385	399
55	221	253	313	362	380
65	154	200	276	336	357
75	86	149	239	305	328
85	25	107	204	272	296
90	2	90	186	254	277
95	3	77	169	236	259
105	7	59	140	200	221
115	12	49	114	166	184
125	15	42	92	133	148
135	17	34	72	103	114
145	18	27	50	76	84
155	21	23	35	49	58
165	24	22	25	28	37
175	26	26	24	20	12
180	23	23	23	23	23

ZONAL LUMENS

Zone	Lumens
0	
0-10	41
10-20	119
20-30	186
30-40	236
40-50	266
50-60	275
60-70	265
70-80	238
80-90	203
90-100	167
100-110	136
110-120	106
120-130	78
130-140	53
140-150	32
150-160	17
160-170	8
170-180	2

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	4385	4303	4597
55	4182	4362	4833
65	3894	4564	5245
75	3434	5048	5916
85	2556	6224	7197



Luminaire Lumens: 500 lm/ft
Input Watts: 5.27 W/ft
Efficacy: 102 lm/W
 IES FILE: PRLD-B3-MF-500-80-30-4.IES
 TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angles				
	0	22.5	45.0	67.5	90
0	382	382	382	382	382
5	379	381	380	382	384
15	365	370	373	379	382
25	337	345	357	371	377
35	298	311	335	357	366
45	250	269	308	341	353
55	196	224	277	320	336
65	136	177	244	297	316
75	76	132	211	270	290
85	22	95	180	241	262
90	2	80	165	225	245
95	3	68	150	209	229
105	6	52	124	177	196
115	11	43	101	147	163
125	13	37	81	118	131
135	15	30	64	91	101
145	16	24	44	67	74
155	19	20	31	43	51
165	21	19	22	25	33
175	23	23	21	18	11
180	20	20	20	20	20

ZONAL LUMENS

Zone	Lumens
0	
0-10	36
10-20	106
20-30	165
30-40	209
40-50	235
50-60	243
60-70	234
70-80	211
80-90	179
90-100	148
100-110	120
110-120	94
120-130	69
130-140	47
140-150	29
150-160	15
160-170	7
170-180	2

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angles		
	0	45	90
45	3879	3807	4067
55	3700	3859	4276
65	3445	4038	4640
75	3038	4466	5234
85	2261	5506	6367

LED lighting facts
 A Program of the U.S. DOE

Light Output (Lumens) 2151
 Watts 21.08
 Lumens per Watt (Efficacy) 102

Color Accuracy
 Color Rendering Index (CRI) 83

Light Color
 Correlated Color Temperature (CCT) 3007 (Bright White)

2700K 3000K 3000K 4500K 4500K 6500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

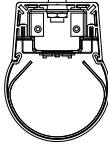
Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: AEYL-XWVV46 (10/20/2015)
 Model Number: PRLD-B3-500-30-ST-4-W-120-D-1-(N/A)-(NONE)-(NONE)-(NONE)-(NONE)
 Type: Luminaire - Linear

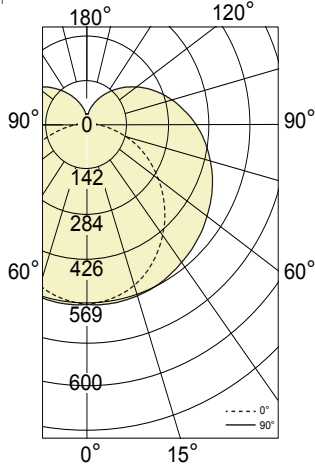
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PHOTOMETRIC DATA

800 lm/ft



PHOTOMETRIC CURVE



Luminaire Lumens: 800 lm/ft
Input Watts: 7.17 W/ft
Efficacy: 111 lm/W
 IES FILE: PRSLED-B3-MF-800-80-35-4.IES
 TESTED ACCORDING TO IES LM-79-2008

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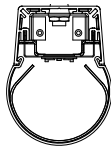
ZONAL LUMENS

Zone	Lumens
0	
0-10	54
10-20	157
20-30	244
30-40	310
40-50	349
50-60	360
60-70	347
70-80	312
80-90	265
90-100	219
100-110	178
110-120	139
120-130	103
130-140	70
140-150	42
150-160	23
160-170	10
170-180	3

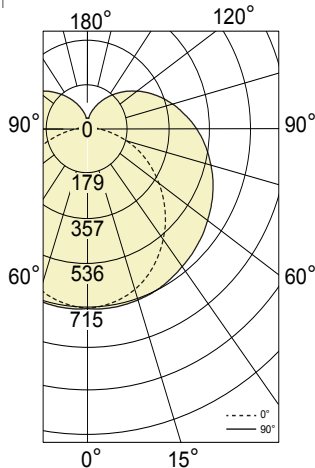
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1000 lm/ft



PHOTOMETRIC CURVE



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Input Watts: 8.95 W/ft
Efficacy: 112 lm/W
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165	21	19	22	25	33
175	23	23	21	18	11
180	20	20	20	20	20

ZONAL LUMENS

Zone	Lumens
0	
0-10	68
10-20	197
20-30	307
30-40	389
40-50	439
50-60	453
60-70	436
70-80	392
80-90	334
90-100	276
100-110	224
110-120	175
120-130	129
130-140	88
140-150	53
150-160	28
160-170	13
170-180	4

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