Advantage Environmental Lighting

Catalog Number	
Project	
Type	

LBLSS

LED Covered Strip Low Bay

STANDARD | OPTIONAL

PRODUCT SPECIFICATIONS

DESCRIPTION
The LBLSS is a low bay solution for linear applications with two optical distributions. The robust construction, high impact lens, and multiple lumen packages makes the LBLSS ideal for both industrial and commercial applications. The LBLSS is available in stand alone or continuous row mounting. The LBLSS is designed for optimal performance and maximum energy efficiency.

APPLICATIONS
The LBLSS Covered Strip Luminaires are designed to be high quality, energy efficient LED fixtures for use in schools, office spaces, hospitals, commercial and retail spaces.

CONSTRUCTION
Die formed cold rolled steel with groove for Tong Hanger. End plate quickly converts to snap-in channel connector for continuous row alignment.

OPTICAL SYSTEM
Uniform illumination with no visible LED pixelation.

ELECTRICAL SYSTEM
Electronic drivers are available for 120/277V applications. Long-life LED system rated for >100K life hours (L70 @ 25°C). Metal gear tray for internal LED driver. Complies with federal energy efficiency standards. 0-10 dimming standards, but not available in the exam section.

MOUNTING
The LBLSS can be surface, pendant, or stem mounted. See options below in ordering information.

LISTINGS
ETL approved for damp locations and to relevant UL standards (-30 degrees Celsius to 50 degrees Celsius / -22 degrees Fahrenheit to 122 degrees Fahrenheit). DLC approved. Complies with FCC Part 15, Class A. Complies with IEEE C.62.41-1991, Class A input transient surge protection (2.5kV). Complies with IEC 61000-4-2 level 2 (4kV) electrostatic discharge (ESD).

WARRANTY
5-Year Limited Warranty on electronics and housing. Complete warranty and terms located at www.aelnow.com/warranty.

ORDERING INFORMATION

Example:LBLSS4-27-SL-S-M

SERIES		CCT		*ILLUMINATION LEVER		LENS		VOLTAGE	
LBLSS4	4'	27	2700K	SL	Standard Low	S	Satin Lens	M	120/277V
LBLSS8	8'	30	3000K	ML	Medium Low				
		35	3500K	HL	High Low				
		40	4000K	SM	Standard Medium				
		50	5000K	MM	Medium Medium				
				HM	High Medium				
				SH	Standard High				
				MH	Medium High				
				HH	High High				

CIRCUIT		**WIRING		DRIVER		OPTIONS	
1	1 Circuit, 3' Cord with no Plug	PS_N	Plug In System (1, 2, or 3 Circuit Capability), No Ground (ground provided by fixture body)	EDN	Electronic Driver Non-Dimming	12EBL	1200 Lumen Emergency Ballast
2	2 Circuit, 3' Cord with no Plug	PS_W	Plug In System (1, 2, or 3 Circuit Capability), With Ground (separate ground wire in harness)	EDD1	Electronic Driver 1-10V Dimming 10%	CH	36" Chain Hanger
16	1 Circuit, 6' Cord with no Plug	CPS_	Crossover Plug In System (2 or 3 Circuit Capability) No Ground (ground provided by fixture body)	EDD0	Electronic Driver 0-10V Dimming 1%	FSS	Fixed Stem Set (Specify Length)
26	2 Circuit, 6' Cord with no Plug	CPSW_	Crossover Plug In System (2 or 3 Circuit Capability) With Ground (separate ground wire in harness)	LAS/ED	Lutron A-Series, 1% EcoSystem Dimming	SS	Swivel Stem Set (Specify Length)
		CNP5	(NEMA L5-15P) 3' Cord with NEMA Plug	LAS/3D	Lutron A-Series, 1% EcoSystem 3-wire Dimming	AS	Adjustable 48" Stem Set
		CNP7	(NEMA L7-15P) 3' Cord with NEMA Plug			ABC	3 FT Eye Bolt Chain
		CNP24	(NEMA L24-20P) 3' Cord with NEMA Plug			SC	Spacer 1-1/2" to 2-1/2" from ceiling
		CNP6	(NEMA L5-15P) 6' Cord with NEMA Plug			ST	Single Toggle No. 2 (Specify Length)
		CNP76	(NEMA L7-15P) 6' Cord with NEMA Plug			YT	Y Toggle No. 2 (Specify Length)
		CNP26	(NEMA L24-20P) 6' Cord with NEMA Plug			OC4EX	Occupancy Sensor

LBLSS4 (4') only available up to **HL - High Low*

***For more wiring options and descriptions see next page*

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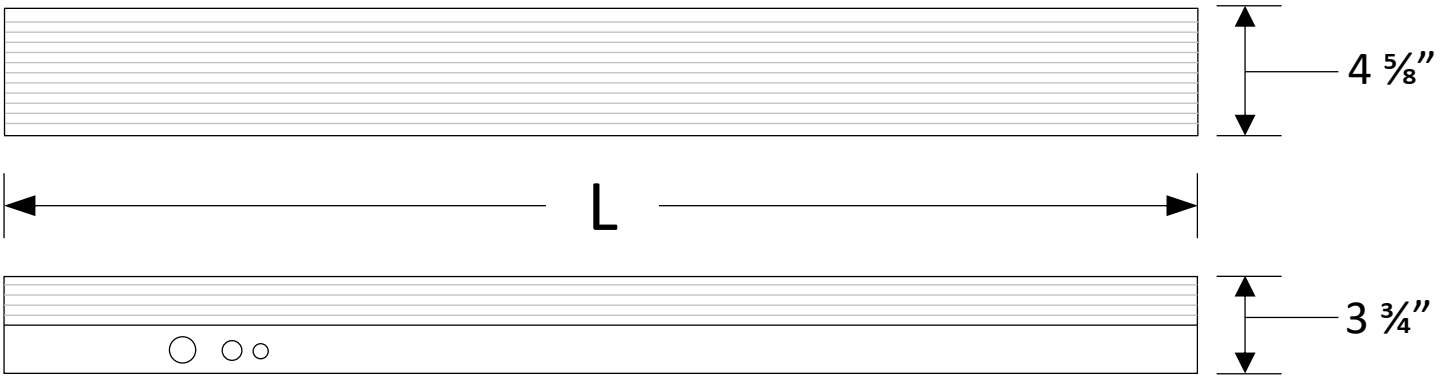
LBLSS

LED Covered Strip Luminaire

FIXTURE DIMENSIONS



Output	Delivered Lumens	System Wattage	L70 @20C (hrs)
SL	4650	33	>100K
ML	7974	57	>100K
HL	11150	80	>100K
SM	12040	86	>100K
MM	13016	93	>100K
HM	15728	112	>100K
SH	16500	118	>100K
MH	20000	143	>100K
HH	25000	179	>100K

* Delivered Lumens shown were tested with 4000K LEDs and ASR (asymmetric/symmetric grid) lens.

PS1	Single Cicuit	**BLK**	Black	**N**	No Ground (Ground provided by fixture)				
				W	With Ground (Separate ground wire in harness)				

PS2	Double Cicuit	**BLK**	Black Hot	**BLANK**	Single Neutral	**BLANK**	Single Neutral	**N**	No Ground (Ground provided by fixture)
		B	Blue Hot	**WN**	White Neutral	**N2**	Double Neutral	**W**	With Ground (Separate ground wire in harness)
				GW	Gray Neutral				

PS3	Double Cicuit	**BLK**	Black Hot	**BLANK**	Single Neutral	**BLANK**	Single Neutral	**N**	No Ground (Ground provided by fixture)
		B	Blue Hot	**WN**	White Neutral	**N2**	Double Neutral	**W**	With Ground (Separate ground wire in harness)
		R	Red Hot	**GW**	Gray Neutral				

Catalog Number Suffix	Number of Circuits	Circuit Wired To Ballast
PS 1 BLK	1	Black
PS 2 BLU	2	Blue
PS 2 BLK	2	Black
PS 3 RED	3	Red
PS 3 BLU	3	Blue
PS 3 BLK	3	Black

Catalog Numbering System

The PS System is available in sections up to 8' in length for continuous row wiring by simply plugging the sections together. Each PS section is factory wired to the ballast leads. Color coding of wires is as follows:

PS-1 = One Circuit - 2 Wires: one black, one white
PS-2 = Two Circuits - 3 Wires: one black, one blue, one white
PS-3 = Three Circuits - 4 wires: one black, one blue, one red, one white

When ordering the PS2/PS3 System it is necessary to specify the number of fixtures required for each circuit. Each circuit in fixture must be ordered as a separate line item, with a different hot wire color specified. All wiring to external feeds, using cord or cord & plug, are responsibility of installing licensed contractor. Cord and cord & plug sets must be ordered separately if PS option is chosen.