Alphalite Inc.

LED UTILITY WRAP LUMINAIRE

LBW-S2 Series
Linear Luminaires

DESCRIPTION

The Alphalite LBW Series Utility Wrap Luminaire provides high light levels for commercial, industrial, retail and residential applications. Fixtures can be used in storage, utility ares, display cases, shops, task and general area lighting. Low profile design offers easy handling and storage.

APPLICATION
Versatile solution for general illumination from surface-mounted fixture. Ideal for corridors, hallways, stairwells, closets, storage rooms, and spaces that demand energy demand reduction and high quality light.

SPECIFICATION FEATURES

Benefits
- Lower installation costs and reduced maintenance costs
- Attractive ROI and lower energy costs
- Ideal for use with sensors and advanced controls
- High quality light for a more productive space
- Convenient access to replaceable, standard components reduces life cycle costs

Construction
Reflector utilizes highly reflective powder coat finish. Diffuser requires no additional frame or fastener for easy installation. Tool-less removal of diffuser allows access to LED array. LED module and driver are replaceable. LED module and driver are replaceable. Housing and optics maintain damp location rating with all internal components.

Finish
Highly reflective finish. Baked white paint, applied after fabrication.

Electrical
Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. 120V-277V input voltage for increased versatility. 1-10V continuous dimming comes standard. Ideal when used in conjunction with controls and sensors. Comes equipped with quick disconnect for compliance with US code.

Optics
The LBW's LED light engine and integrated optics delivers enhanced light quality and distribution. Precision-formed diffuser and reflector are designed LED light consistently, reducing glare and pixelation.

Certifications / Regulatory
UL/cUL listed. All components used have UL approval. UL Class 2. Power supply: SCP, OTP, OVP protection, FCC Part 15 Class B, UL8750 Class 2. DLC listed.

Warranty
7-year limited warranty. See complete warranty terms for details.

Quick Ship Product

LBW-2L(25S2)/840
LBW-4L(40S2)/835
LBW-4L(40S2)/840
LBW-4L(40S2)/850
LBW-4L(40/35/30S2)/835
LBW-4L(40/35/30S2)/840
LBW-4L(40/35/30S2)/850
LBW-4L(40/35/30S2)/8A
LBW-4VL(28/22/18S2)/8A

ORDERING INFORMATION

Sample Number: LBW-4L(40S2)/840

Series	Length	Lumen Package			CRI	CCT
LBW - LED Utility Wrap Luminaire	**2** - 2' **4** - 4'	**2'** **2L(25S2)** - 25W, 2600lm	**4'** **4VL(28/22/18S2)** - 28/22/18W, 3640/2860/2340lm **4L(40/35/30S2)** - 40/35/30W, 5200/4550/3900lm	**4L(40S2)** - 40W, 5200lm	**8** - 80CRI **9** - 90CRI	**35** - 3500K **40** - 4000K **50** - 5000K **A** - 5000/4000/3500K Adjustable

Auxiliary Power	Input Voltage	Control Option		
(Blank) - without Aux **12V** - with Aux 12V	**(Blank)** - 120-277V **C** - 120-347V **480** - 480V	**PIR** - On/off PIR High Bay motion sensor **PIRD** - On/off PIR high bay motion and daylight sensor **OS** - Step dimming PIR motion sensor and daylight sensor **MMS** - Step dimming Microwave Sensor and daylight sensor **DMMS-DL** - Step dimming Microwave Sensor and daylight harvesting Remarks: Sensor configuration tool remote control required,not included		**DL** - Integrated daylight harvesting **AWNR** - Lutron Athena wireless node integral fixture control (RF only) **AWNS** - Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing)

Emergency Backup	Assembly in USA	Accessories
EM15W - 15W constant power with integrated self-diagnostic test	**(Blank)** - Non-BAA **BAA** - Assembly in USA	**LBW-PMK** - Single-point pendant mount kit for 3/4" NPT stem (stem not provided) **ACC-3M05** - Suspended mount with aircraft cable 3M05 with longest 118". **BW-SUSM-ACCI** - Suspended mount with aircraft cable type I up to 47" long. **BW-SUSM-CHAIN** - Suspended mount with Chains up to 40" long.

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SUMMARY

Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.9
THD (Max.)	20%
Efficacy	130 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	Full Range 1-10V dimming standard
Dimming Range	10-100%
CRI	> 80
CCT	3500,4000,5000K
	3500/4000/5000K Selectable
Operating Temp.	-4°F~133°F (-20°C~55°C)
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

Form Factor	Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
2'	LBW-2L(25S2)/835* LBW-2L(25S2)/840* LBW-2L(25S2)/850*	25	2600	130
4'	LBW-4L(40S2)/835 LBW-4L(40S2)/840 LBW-4L(40S2)/850	40	5200	130
	LBW-4L(40/35/30S2)/835 LBW-4L(40/35/30S2)/840 LBW-4L(40/35/30S2)/850	40/35/30	5200/4550/3900	130
	LBW-4VL(28/22/18S2)/8A*	28/22/18	3640/2860/2340	130
	LBW-4L(40/35/30S2)/8A*	40/35/30	5200/4550/3900	130

*The delivered lumens above are based on highest wattage and 4000K.
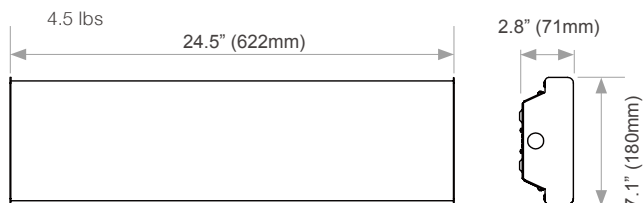**Default setting at time of shipping are highest wattage and highest CCT.
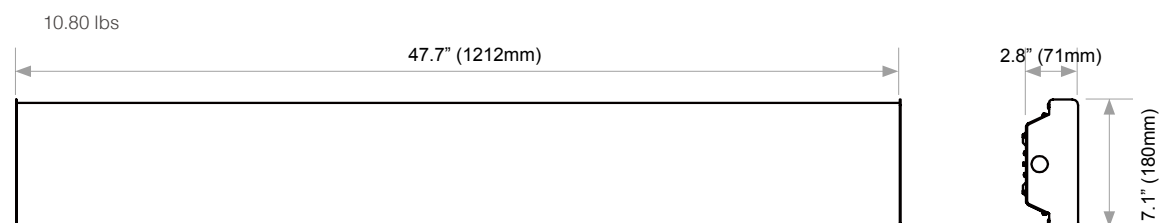
OPTICS

Beam Angle 100°x100°

Polar Candela
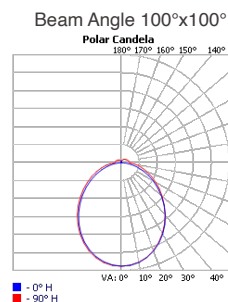
PHYSICAL PARAMETERS

DIMENSION

LBW-2

4.5 lbs

24.5" (622mm)   2.8" (71mm)   7.1" (180mm)

LBW-4

10.80 lbs

47.7" (1212mm)   2.8" (71mm)   7.1" (180mm)

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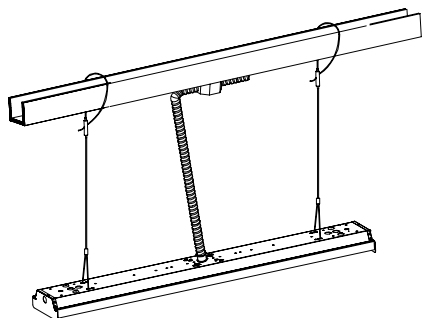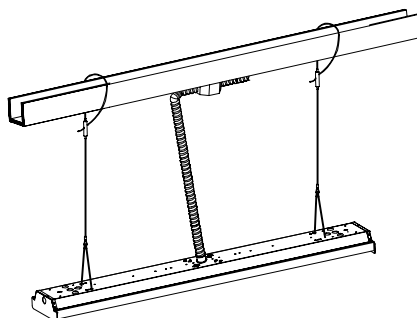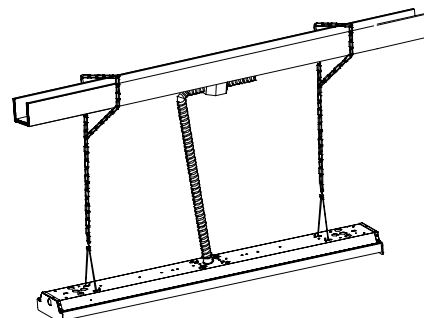
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ACCESSORIES

ACC-3M05

BW-SUSM-ACCI

BW-SUSM-CHAIN

LBW-PMK

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