Alphalite Inc.

LED CURVED-BASKET LINEAR WRAP LUMINAIRE

CBW Series
Curved-Basket Linear Wrap

DESCRIPTION
The Alphalite CBW Series Linear Wrap Luminaire provides high light levels for commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility ares, coves, 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
- Attractive ROI
- Ideal for use with sensors and advanced controls
- Reduced maintenance costs
- Lower energy costs
- 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. 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. 0-10V 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 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 Premium listed.

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

Quick Ship Product

CBW-4L(40S)/835
CBW-4L(40S)/840

ORDERING INFORMATION

Sample Number: CBW-4L(40S)/840

CBW	4	L	8	40	(Blank)	(Blank)
Series	**Form Factor**	**Lumen Package**	**CRI**	**CCT**	**Input Voltage**	**Dimming**
CBW - Curved Basket Linear Wraps Luminaire	4 - 4'	L - Low Wattage *See energy data for details	8 - 83+ CRI	35 - 3500K 40 - 4000K 50 - 5000K	(Blank) - 120V-277V	(Blank) - 0-10V Continuous Dimming

Options

Controls	Emergency Backup
MMS - Integrated step dimming microwave motion sensor with sync function	EM700 - 700lm
OS - Integrated step dimming PIR occupancy sensor (Requires OS-618-RC101 Sensor Configuration Tool, Not Included)	EM1400 - 1400lm
DL - Integrated daylight harvesting	EM2000 - 2000lm
SMC - Smart Control System	

Alphalite Inc.
10715 Springdale Ave, Suite 4, Santa Fe Springs, CA 90670
Tel: 888.287.9228 | Fax: 888.258.9183 | support@alphalite.com | alphalite.com

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SUMMARY

Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 127 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	0-10V Continuous (10-100%)
CRI	> 83
CCT	3500K, 4000K, 5000K
Operating Temp.	-20 ~ +55 C
Rated Life	70,000 hours

ENERGY PERFORMANCE DATA

Form Factor	Part No.	Rated Wattage (W)	Tested Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	CBW-4L(40S)/835	40	38	4771	127
	CBW-4L(40S)/840			5200	130
	CBW-4L(40S)/850			5240	131

PHYSICAL PARAMETERS

DIMENSION

46″ (1168.6mm)
3.41″ (86.7mm)
9.74″ (247.4mm)
9.74″ (247.4mm)
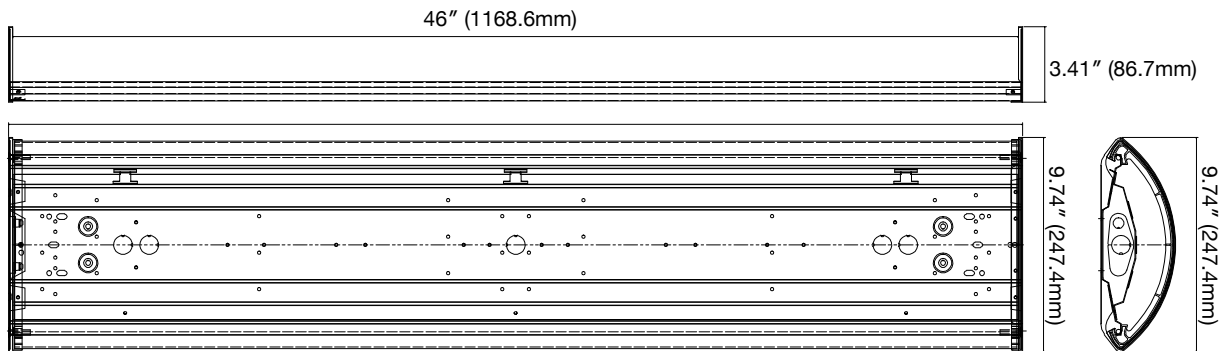
-MMS control pre-commissioning

Sample Number: -MMS (10-3M-L3-S10M)

10	3M	L3	S10M	(Blank)	
Detection Area	**Hold Time**	**Low Mode**	**Stand-by Period**	**Daylight Sensor**	
10 - 100%	30M - 30 min.	L5 - 50%	SN - ∞	(Blank) - Disable	
7 - 75%	20M - 20 min.	L3 - 30%	S1H - 1 hr.	D100 - 100 lux	
5 - 50%	3M - 3 min.	L2 - 20%	S30M - 30 min.	D50 - 50 lux	
1 - 10%	30S - 30 sec.	L1 - 10%	S10M - 10 min.	D25 - 25 lux	
	5S - 5 sec.		S5M - 5 min.	D10 - 10 lux	
			S5S - 5 sec.	D5 - 5 lux	
			(Blank) - Disable	D2 - 2 lux	

Detection Area: Detection area can be reduced to fit precisely each application.

Hold Time: The time period the luminaire remains at 100% illumination after no motion detected.

Low Mode: The selected low light level after the hold time.

Stand-by Period: The time period the luminaire remains at "Low Mode" before it completely switched off in the long absence of people.

When set to "∞" mode, the low light level is maintained until motion is detected.

Daylight Sensor: The sensor can be set to only allow the luminaire to illuminate below a defined ambient brightness threshold.

When set to "Disable" mode, the daylight sensor will switch on the luminaire when motion is detected regardless of ambient light level.

Noted that daylight sensor is active only when the luminaire switches off

-OS control pre-commissioning

Sample Number: -OS (L2-5M-L3-S10M)

L2	(Blank)	5M	L3	S10M	(Blank)	(Blank)	(Blank)
Lens / Coverage	**High Mode**	**Hold Time**	**Low Mode**	**Stand-by Period**	**Ramp Up**	**Fade Down**	**Photocell On/Off**
L2 - 8'H (48' dia.)	(Blank) - 100%	#M - 1-30 min.	L5 - 50%	SN - ∞	(Blank) - Disable	(Blank) - Disable	(Blank) - Disable
L3 - 20'H (40' dia.)	H9 - 90%	30S - 30 sec.	L3 - 30%	S#H - 1-5 hrs.	#Up - 1-60 sec.	#Dn - 1-60 sec.	PS - Active
L4 - 40'H (60' dia.)	H8 - 80%		L2 - 20%	S#M - 1-59 min.			
L7 - 40'H (100' dia.)	H7 - 70%		L1 - 10%	(Blank) - Disable			

High Mode: The selected high light level when motion detected.

Hold Time: Time period the luminaire remains at "High Mode" after no motion detected.

Low Mode: The selected low light level after the hold time.

Stand-by Period: Time period the luminaire remains at "Low Mode" before it completely switched off in the long absence of people.

When set to "∞" mode, the low light level is maintained until motion is detected.

Ramp Up: Time period for light level to increase from LOW to HIGH.

Fade Down: Time period for light level to decrease from HIGH to LOW.

Photocell On/Off: When the light level exceeds this setting, the lights will turn off even when the space is occupied. Once the light level exceeds this setting, the sensor will wait and monitor for a short period of time in order to confirm the light level increase is not temporary before forcing the lights to go off. When light level goes below the settings, the light will turn on even without motion detection. This feature is disabled by default. If using this setting in combination with the Hold Off set-point, there must be at least 10fc of dead band between the two settings. The Photocell set-point is automatically set to maintain at least 10fc of dead band above the Hold time set-point to help avoid load cycling.