



PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

LED CURVED-BASKET LINEAR WRAP LUMINAIRE

CBW-S2 Series

Linear Luminaires

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 areas, 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(40S2)/835

CBW-4L(40S2)/840

ORDERING INFORMATION

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

CBW	4	L	8	40	(Blank)	(Blank)
Series CBW-S2 - LED Curved Basket Linear Wraps Luminaire	Form Factor 4 - 4'	Lumen Package VL - Very Low Wattage L - Low Wattage H - High Wattage VH - Very High Wattage *See energy data for details	CRI 8 - 82+ CRI	CCT 35 - 3500K 40 - 4000K 50 - 5000K A - 5000/4000/3500K Adjustable	Input Voltage (Blank) - 120V-277V C - 120V-347V	Dimming (Blank) - 0-10V Continuous Dimming

Options

Driver Options

CT - Cold temperature driver,
-40°F-131°F(-40°C-55°C)

Controls

- PIR – On/off PIR High Bay motion sensor
- PIRD – On/off PIR High Bay motion and daylight sensor
- MMS - Integrated step dimming microwave motion sensor
- DMMSDL – Step dimming microwave motion sensor and daylight harvesting
- DL - Integrated daylight harvesting
- SMC - Smart Control System
- OS - Step dimming PIR motion sensor and daylight sensor. (Requires OS-618-RC101 Sensor Configuration Tool. Not included)
- FCJS0 - Lutron Vive Attached fixture control

Emergency Backup

(Lumen will maintain over the 90-minute duration)
EM700 - 700lm
EM1400 - 1400lm
EM2000 - 2000lm

Assembly in USA

BAA - Assembly in USA

SUMMARY

Input Voltage	120V-277V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 130 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

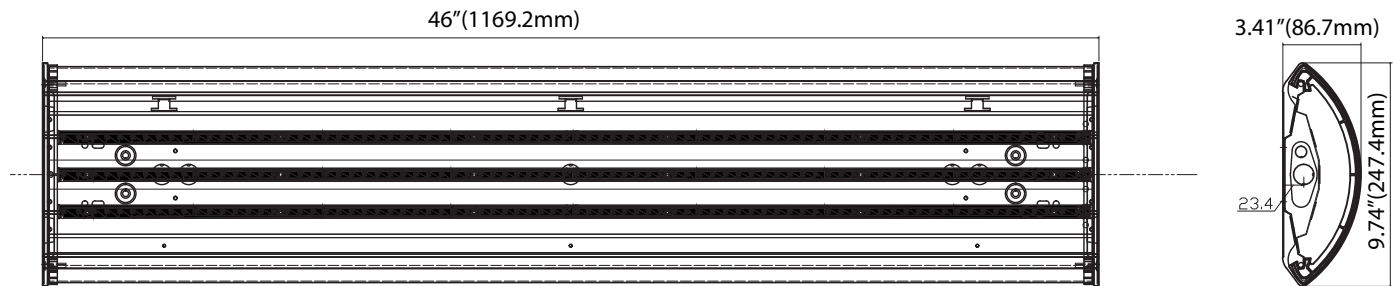
Form Factor	Part No.	Rated Wattage (W)	Tested Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
4'	CBW-4VL(22S2)/835	22	22	2860	130
	CBW-4VL(22S2)/840	22	22	2882	131
	CBW-4VL(22S2)/850	22	22	2904	132
	CBW-4L(40S2)/835	40	39	5200	130
	CBW-4L(40S2)/840	40	39	5240	131
	CBW-4L(40S2)/850	40	39	5280	132
	CBW-4L(40/34/28S2)/835	40/34/28	40/34/28	5200/4420/3640	130
	CBW-4L(40/34/28S2)/840	40/34/28	40/34/28	5200/4420/3640	130
	CBW-4L(40/34/28S2)/850	40/34/28	40/34/28	5200/4420/3640	130
	CBW-4H(46S2)/835	46	46	5980	130
	CBW-4H(46S2)/840	46	46	6026	131
	CBW-4H(46S2)/850	46	46	6070	132
	CBW-4VH(54S2)/835	54	54	7020	130
	CBW-4VH(54S2)/840	54	54	7200	133
	CBW-4VH(54S2)/850	54	54	7200	133
	CBW-4VH(64/56/46S2)/8A	64/56/46	64/56/46	8320/7280/5980	130

PHYSICAL PARAMETERS

DIMENSION

CBW-4

9.48 lbs



-DMMS/MMS control pre-commissioning

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

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

-OS control pre-commissioning

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

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