



PROJECT NAME

CATALOG NO.

TYPE

DATE

NOTE

LED AREA LUMINAIRE

ASB Series Outdoor Luminaire Series

DESCRIPTION

The ASB Series LED Area Luminaire delivers extreme intensity and high lumen output for area light application. Superior color, long life and high efficiency allows this luminaire to outperform traditional HID luminaires. The rugged housing and dedicated LED design offers advanced thermal management and protection against outdoor and semi-outdoor environments. Lighting quality and intensity provides benefits for safety and security.

APPLICATION

The ASB solution is ideal for parking structures, auto dealerships, recreational spaces, roadways, and outdoor aisles.

SPECIFICATION FEATURES

Construction

Rugged die-cast aluminum housing withstands outdoor environments. Outer surface treated with durable powder coating to provide resistance to corrosion, rust, weathering, and UV degradation. Rated IP66. Performance-engineered, integral heat dissipation fins provides superior thermal management for long life and reliability. Shorting cap come in standard.

Mounting

Versatile platform includes different mounting options, including: Adjustable Slip-fitter, round pole mount, square pole mount, and adjustable trunion U-bracket.

Controls

Suitable for use with photocell and daylight harvesting to achieve deeper energy-savings and code compliance.



Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable LED driver. Operating temperatures is -22°F-130°F and 120V-277V input voltage for increased versatility.

Optics

Precision-formed optical lens system reduces glare and improves safety and security by delivering high-efficiency illumination with precise optical distribution. Type III distribution comes standard.

Certifications / Regulatory

UL/cUL listed. All components used have UL approval.

Warranty

5-year limited warranty. See complete warranty terms for details.

Quick Ship Product

ASB-150/850
ASB-200/850

ORDERING INFORMATION

Sample Number: **ASB-150/850**

ASB	150	850	(Blank)	(Blank)	(Blank)	(Blank)
Series	Lumen Package	CCT	Input Voltage	Beam Angle	Dimming	Finish Color
ASB - LED Area Luminaire	150 - 150W 200 - 200W 300 - 300W <i>*See energy data for details</i>	840 - 4000K 850 - 5000K	(Blank) - 100V-277V HV - 277V-480V <i>*See notes below</i>	(Blank) - Type III T2 - Type II T4 - Type IV T5 - Type V <i>*See notes below</i>	(Blank) - 0-10V Continuous Dimming	(Blank) - Dark Bronze WH - White BLK - Black SLV - Silver <i>*See notes below</i>

NOTES

Input Voltage: Custom input voltage available. Contact your Alphalite representative for added cost, quantities and lead times.

Beam Angle: Require lens changed for different beam angle. (100W package require 1 lens, 150W and 200W package require 2 lens, and 300W package require 4 lens).

Finish Color: Custom finish color available. Contact your Alphalite representative for added cost, quantities and lead times.

Options

Mounting

- ASF - Adjustable Slip-fitter
- RPM - Round Pole Mount
- SPM - Square Pole Mount
- AUB - Adjustable Trunion U-bracket

Controls

- SC - Shorting cap (included)
- PC - Photocell
- OS - Integrated step dimming PIR occupancy sensor (Requires OS-618-RC101 Sensor Configuration Tool, Not Included)

SUMMARY

Input Voltage	100V-277V
Input Power	See energy data for details
Power Factor	> 0.95
THD (Max.)	20%
Efficacy	> 122 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	0-10V dimming option available.
CRI	> 80
CCT	4000K, 5000K
Operating Temp.	-22°F ~ 130°F (-30°C ~ +54°C)
Rated Life	50,000 hours
IP Grade	IP65

ENERGY PERFORMANCE DATA

Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
ASB-150	150	19,164	128
ASB-200	200	24,233	122
ASB-300	300	38,282	125

MOUNTING INFORMATION

Adjustable Slip-fitter



Round Pole Mount



Square Pole Mount



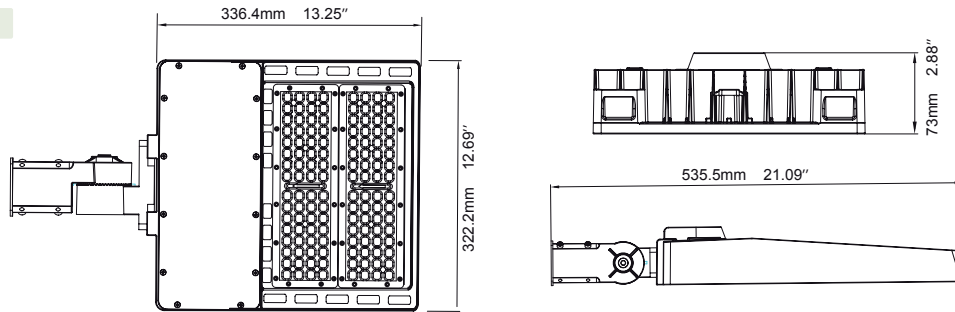
Adjustable Trunion U-bracket



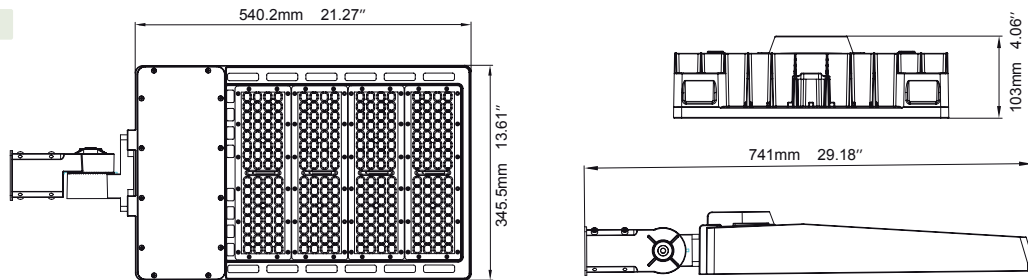
PHYSICAL PARAMETERS

DIMENSION

ASB-150, and 200



ASB-300



CONTROL OPTION

-MMS control pre-commissioning

Sample Number: -MMS (5-3M-L3-S10M)

10	3M	L3	S10M	(Blank)		
Detection Area 5 - 50% 1 - 10%	Hold Time 20M - 20 min. 3M - 3 min. 90S - 90 sec. 30S - 30 sec. 5S - 5 sec. N - ∞	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.</p> <p>Hold Time: The time period the luminaire remains at 100% illumination after no motion detected.</p> <p>Low Mode: The selected low light level after the hold time.</p> <p>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.</p> <p>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.</p> <p>**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.</p> <p>Hold Time: Time period the luminaire remains at "High Mode" after no motion detected.</p> <p>Low Mode: The selected low light level after the hold time.</p> <p>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.</p> <p>Ramp Up: Time period for light level to increase from LOW to HIGH.</p> <p>Fade Down: Time period for light level to decrease from HIGH to LOW.</p> <p>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>							