



LED Shoebox Area Light

100-400W Replacement

- Saves up to 65% of energy usage
- Extremely durable; long life of up to 100,000 hour life with no bulb replacement
- Use of patented "Aimed Optics"™ provides more light for less energy
- Cutting-edge "heat sink" technology keeps the LEDs at their optimum performance temperature and extends product life
- Light uniformity increases visibility in parking lots and on roadways
- Full cutoff/Dark Sky-compliant; no light trespass
- UL wet-listed
- Made in America and ARRA-Compliant
- DC/Solar options available for "off-grid" applications



Features

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| <ul style="list-style-type: none"> • Applications: LED shoebox area light for parking areas, commercial area and site lighting, airports, roadways, campuses and streetscapes • Light Distribution: Types II and III • Input Wattage: Available in 55, 80, 100, 120, and 150 Watts • L70 Life Expectancy: Up to 100,000 hours • Durability: Heavy duty aluminum housing; durable, marine-grade powder coat finish. | <ul style="list-style-type: none"> • Efficacy: Up to 90 lumens per watt • CRI: 70 or above • Listings/Ratings:    * • Warranty: Manufacturer warrants products to be free from defects for a period of five (5) years. Please refer to complete warranty and terms and conditions document. <p><i>*Retrofit Kit is UL approved.</i></p> |
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Specifications

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| <p>Housing:
Formed low-copper (<04% Cu) aluminum alloy housing. Has stainless steel hinge pins.</p> <p>Mounting:
Mounts easily with rectangular arm to square poles. 3" square arm comes standard. Arms adapting to round poles also available.</p> <p>LED Modules:
The LED modules utilize an aluminum metal-clad board for maximum heat transfer, leading to longer life. Product employs EvoLucia patent-pending Aimed Optics™, which allows the direction and intensity of the light to be tightly controlled. This control of the LEDs allow EvoLucia fixtures to maintain light levels equal to or greater than that of MH and HPS fixtures at a much lower energy consumption levels.</p> <p>LED Driver:
The LED driver is a constant-current device with a high-power factor correction to maximize power utilization. The driver meets UL 1310 / UL48 Class 2 with a built-in over-temperature protection. When an optional lighting surge protector is used driver is rated @ 100,000 hours. Input voltage from 100-277 VAC. Input voltage of 480 VAC available with stepdown transformer. Passes FCC part 15, class B for both conducted and radiated emissions.</p> | <p>The ESB incorporates EvoLucia's lightning surge protection in each unit, which is effective at suppressing most surges on the AC line. This integrated device provides greater than 320j of protection to the unit. In areas with higher surge levels or occurrences, an optional surge protector can be fitted in addition to the standard unit, providing enhanced protection, rated at greater than 640j.</p> <p>Finish/Color:
Durable finish is TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness.</p> <p>Full Cutoff:
Meets IES standards for full cutoff luminaires.</p> <p>Heat Sink / Platform:
One-piece cast, low-copper (<0.4% Cu) aluminum alloy. Effectively spreads heat to ensure long component life of LEDs and electronic components and provides precise alignment of LEDs and lenses.</p> <p>Photo Control:
Twist-lock photocell is optional.</p> <p>Lens:
High impact molded, UV-stabilized, Acrylic lens, profiled for maximum efficiency of light transmission.</p> |
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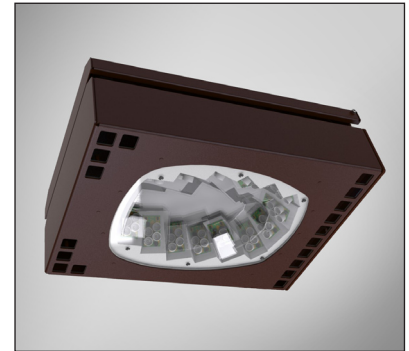
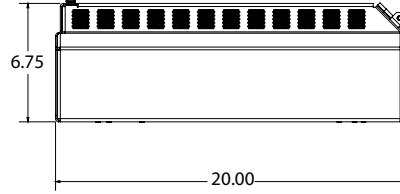
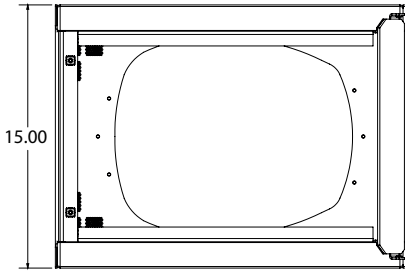
* All data subject to change without notice.

Reference www.EvoLuciaLighting.com or contact sales@sunoviaenergy.com for additional information. REV 01-2011
 106 cattlemen road • sarasota fl 34232 • (941) 751-6800 • 1-866-806-7868 • www.evocalighting.com

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Project:	Approval:
Specifier:	

Technical Specifications



EPA: 1.24 ft² (including 3" arm)
Height: 7.0" (17.15 cm)
Width: 15.0" (38.10 cm)
Weight: 28 lbs (12.70 kg) **Length:** 20.0" (50.80 cm)

Third-Party Testing and Certifications

The ESB has undergone extensive third-party testing, including:

- LM79 (LTL Laboratory)
- LM80 (LTL Laboratory)
- UL Testing and Certification

Obtain up-to-date test results and certification documentation at www.evocalighting.com/technicallibrary

BUG Rating Available (LTL Laboratory)

Order Code

ESB X5 / Family	Wattage-Color Temp	Lens Type	Distribution Type	Input Voltage	Finish	Options	Mounting Options
	55-45 = 55W, 4500K 80-45 = 80W, 4500K 100-45 = 100W, 4500K 120-45 = 120W, 4500K 150-45 = 150W, 4500K 55-60 = 55W, 6000K 80-60 = 80W, 6000K 100-60 = 100W, 6000K 120-60 = 120W, 6000K 150-60 = 150W, 6000K	PAL= Profile Acrylic Lens	T2 = Roadway Type II T3 = Roadway Type III	UNV = 100-277 VAC 347 = 347 VAC 480 = 480 VAC	BZ = Bronze (standard) BB = Black (standard) CC = Custom Color (Consult Factory)	LSP = Lightning Surge Protector PC = Twist Lock Photocell*	3SA = 3" Arm (Square Pole Standard) 3RA = 3" Arm (Round Pole) 6RA = 6" Arm (Round Pole) 6SA = 6" Arm (Square Pole) 12RA = 12" Arm (Round Pole) 12SA = 12" Arm (Square Pole)

*Consult factory for minimum quantities and pricing.



DC/Solar options available for "off-grid" applications. Consult factory for more information.

Crossover Chart

HID Source	LED Replacement	Energy Savings	mA Drive Current*	HID Source	LED Replacement	Energy Savings	mA Drive Current*
100W HPS	55W	45%	300 mA	200W HPS	100W	50%	525 mA
100W MH	55W	45%	300 mA	250W HPS	120W	52%	600mA
150W HPS	80W	47%	410 mA	400W HPS	150W	62%	750 mA
150W MH	80W	47%	410 mA	400W MH	150W	62%	750 mA
175W MH	100W	43%	525 mA				

* Represents typical drive current for the given configuration.

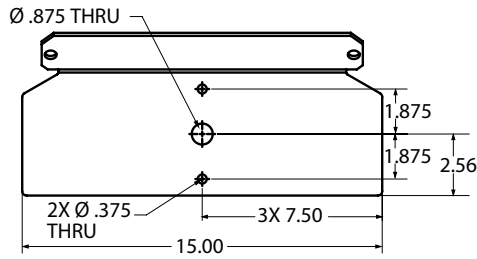
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To view photometric test reports and download IES files, visit evocalighting.com/technical-library


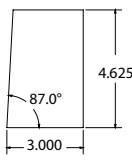
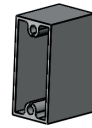
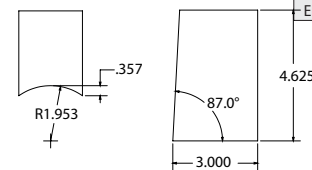
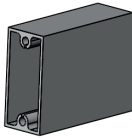
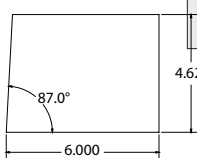
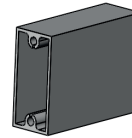
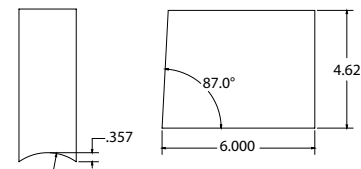
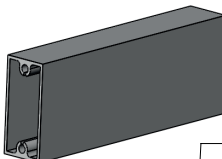
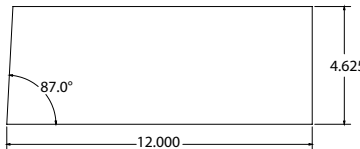
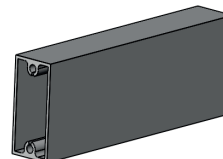
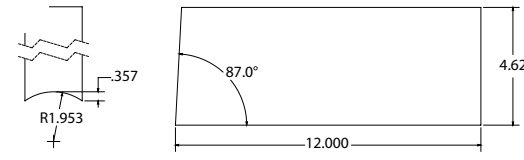


Mounting Bolt Pattern



Mounting bolt pattern for fixture, arms and pole.

Arm Styles

  <p>Description: 3" Arm for square pole Order # 3SA EPA: .116 sq. ft. Comes as standard</p>	  <p>Description: 3" Arm for round pole Order # 3RA EPA: .116 sq. ft.</p>
  <p>Description: 6" Arm for square pole Order # 6SA EPA: .321 sq. ft.</p>	  <p>Description: 6" Arm for round pole Order # 6RA EPA: .321 sq. ft.</p>
  <p>Description: 12" Arm for square pole Order # 12SA EPA: .463 sq. ft.</p>	  <p>Description: 12" Arm for round pole Order # 12RA EPA: .463 sq. ft.</p>

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