

#### FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring low-profile, attractive emergency lighting with Optional normally-off or normally-on with photocell control. Provides a minimum of 90 minutes of illumination both indoors and outdoors upon loss of AC power. Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.

**CONSTRUCTION** — Compact, low-profile, architectural design with die-cast aluminum housing. Finishes are texturized powder coat paint for dark bronze and white. Tests witch indicator light and remote a continuous continuouenabled are located on the bottom of the housing and are easily accessible and visible from the floor.

**OPTICS** — LEDs with L70 of 55,000 hours. Delivers 225 lumens in Normal-On and Emergency operation. Outdoor wide throw distribution: 30' (3' path of egress) at a 7.5' mounting height with 1 FC Average.

4,000K correlated color temperature (CCT).

**ELECTRICAL** — UVOLT (120 thru 347V, 50/60hz). Current-limiting charger maximizes battery life and minimizes energy consumption to provide low operating costs. Small battery chargers Certified in the CA Title 20 Appliance Efficiency Database.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts. Regulated charge voltage maintains a stable charge voltage over a wide range of line voltages.

Prevents over/undercharging that shortens battery life and reduces capacity. Filtered charger input minimizes charge voltage ripple and extends battery life.

Photocell option (PEL) for normally on product in order to discontinue illumination during periods when ambient light is present. Photocell option (PEL) for normally on products allow the user to force lamp  $illumination \ by \ user control \ (external switch). \ When \ power is not \ connected \ to \ switched \ line, illumination$ will respond to internal daylight sensor. For switched line applications, no other types of products shall be connected on the switched leg.

Remote units (OELR) are normally off. Emergency only functionality with DC power from an external

BATTERY: Sealed, maintenance-free nickel-cadmium or Lithium Iron Phosphate battery.

SELF-DIAGNOSTICS AND REMOTE TEST (SDRT OPTION): Automatic 24-hour recharge after a 90-minute discharge. Advanced electrical design provides constant light output throughout the entire discharge period. Brownout protection is automatically switched to emergency mode when supply voltage drops below approximately 80 percent nominal of 120, 220, 277 or 347. Other input voltages may vary. AC/LVD re-set allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Self-Diagnostics: Continuously monitors AC functionality. Standard derangement monitoring will indicate disconnected battery, charger failure and displays green flashing indicator light while in emergency mode. Single multi-chromatic LED indicator to display two-state charging, test activation and three-state self-diagnostics.

Self-diagnostic testing: Five minutes every 30 days and 90 minutes annually. Diagnostic evaluation of lamps, AC to DC transfer, battery charging and condition of microprocessor. Automatic test is easily postponed for eight hours by activating manual test switch or use of remote tester (RTKIT accessory).

 $Manual \, testing: Test \, switch \, and \, remote \, tester \, (RTKIT \, accessory) \, provides \, manual \, activation \, of 60-second$ diagnostic testing for on-demand visual inspection. 90 minute manual testing can be enabled by pressing the test switch again while in test mode.

INSTALLATION — Wall mount: typically meets 7.5' to 14' mounting height from ground or floor. Power supplied by either mounting directly to a 4" square or 4" octagon j-box (wall mount) and accepts rigid or flex conduit.

LISTINGS — UL wet location listed standard at 32-122°F (0-50°C). Unit with CW battery (cold weather) listed for -22°F to 122°F (-30° to 50°C). Remote listed for -40°F to 122°F (-40° to 50°C). Meets or exceeds all applicable requirements for UL 924, NFPA 101 (current Life Safety code), NFPA 70 (NEC), NOM (Norma Oficial Mexicana), California Energy Commission Title 20 section 1605.3 (W)(4), FCC Title 47, Part 15, Subpart B and OSHA. List and labeled to comply with Canadian Standards C22.2 No. 141-10.

#### **Government Procurement:**

BAA - Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA - Build America Buy America: Product with a BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America.

 $Please\ refer\ to\ \underline{www.acuitybrands.com/buy-american}\ for\ additional\ information.$ 

**WARRANTY** — 5-year limited warranty. (Battery is prorated). This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/ support/warranty/terms-and-conditions

**Note**: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number Notes Type

Lithonia Lighting Basics™

**Die-Cast Architectural Emergency Light** 







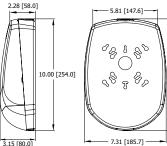
with photocell (white)

with photocell (dark bronze)

## MOUNTING

All dimensions are inches (centimeters). Shipping weight: 3.5 lbs. (1.59 kgs.)

Length: 7 3/10 (18.57) Depth: 3 1/5 (8.00) Height: 10 (25.45) Weight: 3.5 lbs (1.59kg)





















**EMERGENCY** AFB

<sup>†</sup> Small Battery Chargers Certified in the CA Title 20 Appliance Efficiency Database.

# **AFB** Lithonia Lighting Basics™ Die-Cast Architectural Emergency Light

### **SELF-POWERED MODELS**

ORDERING INFORMATION For the shortest lead times, configure product using <b>bolded options</b> .										Exa	nple:	AFB PEL DW	HGXD	UVOLI N SDRI W I	
Se	ries	Unit T	ype¹	Housing Co	olor	Voltage		Batte	ery Type	Automat	ic Testing	Optics	s	Optio	ns
A	FB	PEL OEL	Photocell: Normally-ON with internal battery Normally-OFF with internal battery	DWHGXD DDBTXD	White textured Dark bronze textured	UVOLT	120-347VAC, 50/60Hz	<b>N</b> LTP	Nicad Lithium Iron Phosphate <sup>2</sup>	(blank) SDRT	None Self-diagnostics remote test	WT	Wide Throw	<b>CW</b> BAA	Cold Weather (-30 -50C) <sup>3</sup> Buy America(n) Act and/or Build America Buy America Qualified

#### Notes

- 1 AFB with internal battery is not remote capable.
- 2 Only available with CW (cold weather) option.
- 3 CW only available with LTP battery type.

#### **REMOTE MODELS** listed for -40°F to 122°F (-40° to 50°C)

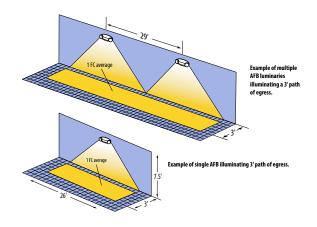
ORDERING INFORMA	ATION For the shortest lead times	s, configure product using <b>bolded opti</b>	ons.	Exa	ample: AFB OELR DWHGXD WT	
Series Unit Type		Housing Color	Voltage	Optics	Options	
AFB	OELR Remote fixture, Normally OFF (requires external battery source)	DWHGXD         White textured           DDBTXD         Dark bronze textured	(blank) Universal DC voltage (8-30VDC)	WT Wide Throw <sup>1</sup>	BAA Buy America(n) Act and/or Build America Buy America Qualified	

# Accessories: Order as separate catalog number. RTKIT Remote test kit, up to 40' away (includes goggles, laser and battery)

#### Note

1 AFB OELR WT is 2.6 Watts.

## **AFB SPACING GUIDELINES**



#### **Maximum Spacing Guidelines - AFB**

Mounting	Illumination	Single Lu	ıminaire	Multiple L	uminaire		
Height	Level	3' Path of Egress	6' Path of Egress	3' Path of Egress	6' Path of Egress	Application Notes *	
7.5'		26'	16'	29'	21'		
10'	1FC Avg	14'	N/A	22'	18'	200' Open Space 80/50/20	
12'		N/A	N/A	18'	16'	reflectances	
14'		N/A	N/A	14'	13'		

<sup>\*</sup> Also meets the additional illumination requirements of NFPA 101: 1FC minimum and max/min ratio of 40:1.

# **SPECIFICATIONS**

#### **Electrical: Primary Circuit**

Unit Type Battery Type		Input Voltage(V)	Input Current(A)	Watts(W)
DEI	N	120-347	0.044-0.045	6.95
PEL	LTP CW	120-347	0.075 -0.117	15.32
OFI	N	120-347	0.025-0.032	2.50
0EL	LTP CW	120-347	0.069-0.094	11.11
OELR	N/A	8-30	0.081-0.509	2.55

### **BATTERY**

Nicad											
Type	Voltage	Typical Shelf Life <sup>1</sup>	Typical Life <sup>1</sup>	Maintenance <sup>2</sup>	Temperature range 3,4						
STD	6V	3 years	6-8 years	none	32 - 122°F (0 - 50°C)						

#### **BATTERY**

Lithium I	Lithium Iron Phosphate										
Type	Voltage	Typical Shelf Life <sup>1</sup>	Typical Life <sup>1</sup>	Maintenance <sup>2</sup>	Temperature range 3,4						
CW	12.8V	1 year	6-8 years	none	-22 - 122°F (-30 - 50°C)						

#### Notes

- 1 At 77°F (25°C).
- 2 Battery life is negatively impacted by many variables including temperature, charging rates, number of cycles and deep discharges due to long periods of time without AC power.
- 3 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance  $with all \ National \ Fire \ Protection \ Association \ (NFPA) \ and \ local \ codes. \ Failure \ to \ perform \ the \ required \ maintenance, \ service, \ or \ testing$ could jeopardize the safety of occupants and will void all warranties.
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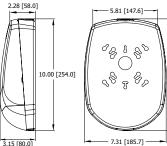
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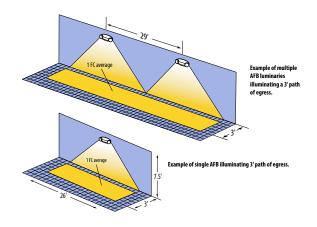
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