

CHLORIDE

Exit/Emergency

ARC

Architectural Emergency Unit



The **ARC** product is a vandal resistant design with a built-in photosensor, field selectable CCT option and an operating temperature range of -30C to 50C, making it suitable for outdoor environments.

Project: _____
Location: _____
Cat.No: _____
Type: _____
Lamps: _____ Qty: _____
Notes: _____

Ordering guide

Example: ARC-ACEM-BZ

Family	Operation	Housing
ARC Architectural emergency unit wall light	ACEM AC/EM standard with photosensor	BZ Dark bronze

Specifications

Codes and standards

- UL/cUL listed to standard 924
- IP65, suitable for wet location

Power consumption

- 120/277 VAC dual voltage input, 60Hz
- Standby power of 11W and maximum 16W during battery charging state

Construction

- Die casting with long lasting UV resistant powder coat for superior protection
- Standard optics design provides a linear and forward throw light distribution pattern to meet most of the exterior egress code requirements to the public way

Mounting

- Suitable for wall mount
- Rigid conduit entry or power lead connectors for wall mounting flexibility
- Photo sensor and CCT selection switches located on the back side

Battery

- 6.4V, 1500 mAh, 18650 type, LiFePO4 battery
- Provides a minimum of 90 minutes of emergency power and takes 24 hours to recharge
- Must be recharged at least once in 9 months

Operations (ACEM)

- Photo sensor enable / disable switch located on the back side
- When enabled, fixture turns ON automatically when ambient luminance is below 10 lux and turns OFF automatically when ambient luminance is above 30 Lux

Operating Temperature

- -30°C to 50°C

Electronics

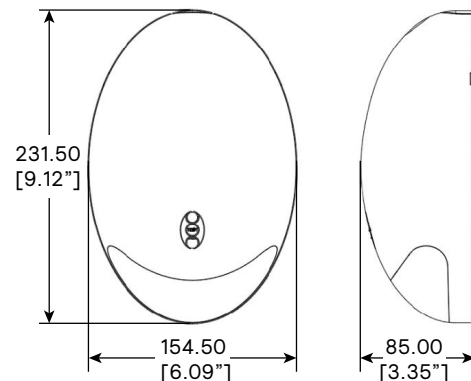
- LED indicator light alerts occupant on battery condition (Green-normal, Red-check battery)
- Internal solid-state transfer switch automatically connects the internal battery to LED board for minimum 90-minute emergency illumination
- Includes brownout detection, AC lockout, low voltage disconnect, AC power indicator and push-to-test switch
- Supports self-diagnostic feature to ensure reliable operation and compliance with electrical and life-safety codes. Tests are executed monthly for 1 minute and annually for 90 minutes
- Includes a built-in photosensor

LED Source

- CRI 80, field selectable CCT 3000K/4000K (default)/5000K
- Normal flux: 1250lm@4000k in AC mode, 400lm@4000k in emergency mode

Warranty

- Five-year limited warranty on all electronics and housing, battery prorated for 5 years
- Battery must be recharged at least once in 9 months



ARC Architectural Emergency Unit

Exit and Emergency

Photometry

Luminous flux (luminaire): 373 lm

Luminous flux (lamps): 373 lm

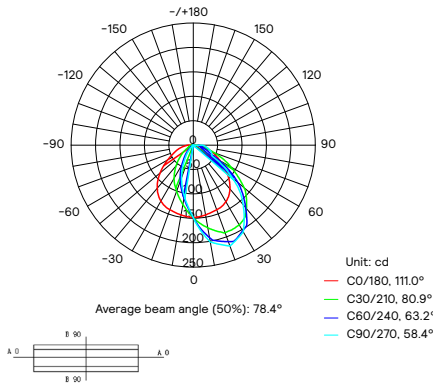
Luminaire wattage: 0 W

Luminaire classification according to CIE: 100

Fitting: 1 x ARC-AEM-BZ (Correction factor: 1.0)

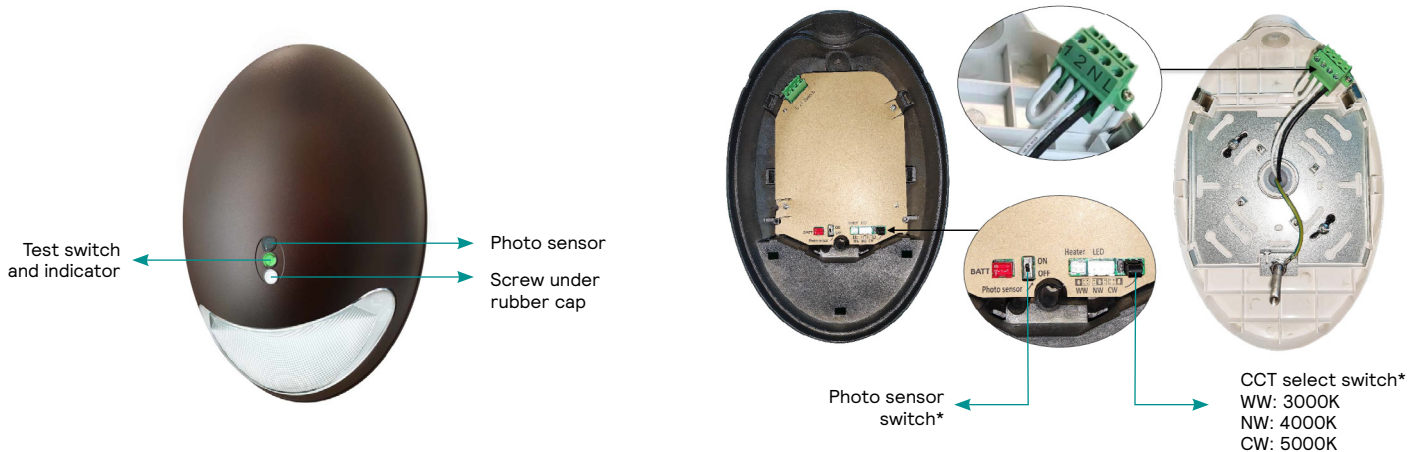
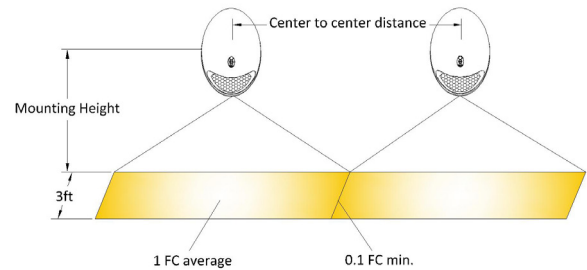
Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Performance based on 80/50/20 reflectance and assumes open space with no obstructions. The corridor used is 80' long, 9' ceiling with a 6' wide walkway and 6x3' path of egress.

Luminous Intensity Distribution Diagram



Center-to-center spacing distance

MH	W	L	Average lumens
	Path of egress		
Mounting Height	Width	Length	
7.5'	3'	45'	373 lm
10'	3'	40'	373 lm



*Accessible after removing the back plate.

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