

Exit/Emergency

Patron

LED die-cast aluminum wall light/unit



Project:	
Location:	
Cat.No:	
Туре:	
Lamps:	Qty:
Notes:	

Example: PLEMBZ-BAC

Catalog Number PLACBZ	Operation AC only	Volts	LED 8-3W	Housing Finish Dark Bronze	Lamp Type 700 Lumen Output	Accessories PLHTR WG4	(order separately) Patron Heater Kit Wire Guard
PLEMBZ PLEMW	EM only EM only	6 6	8-3W 8-3W	Dark Bronze White	500 Lumen Output 500 Lumen Output	Option BAC	Buy American Compliant
PLACEMBZ* PLACEMW*	AC/EM AC/EM	6 6	8-3W 8-3W	Dark Bronze White	700/500 Lumen Output 700/500 Lumen Output		
PLACBZ-BAC PLACW-BAC PLACB-BAC PLACTT-BAC PLACCC-BAC**	AC only AC only AC only AC only AC only	6 6 6 6	8-3W 8-3W 8-3W 8-3W 8-3W	Dark Bronze White Black Titanium Custom Color	700 Lumen Output 700 Lumen Output 700 Lumen Output 700 Lumen Output 700 Lumen Output	nicad battery for e	eral lighting with an integral mergency illumination. AL# for custom color.
PLEMBZ-BAC PLEMW-BAC PLEMB-BAC PLEMTT-BAC PLEMCC-BAC**	EM only EM only EM only EM only EM only	6 6 6 6 6	8-3W 8-3W 8-3W 8-3W 8-3W	Dark Bronze White Black Titanium Custom Color	500 Lumen Output 500 Lumen Output 500 Lumen Output 500 Lumen Output 500 Lumen Output		
PLACEMBZ-BAC* PLACEMW-BAC* PLACEMB-BAC* PLACEMTT-BAC* PLACEMCC-BAC**	AC/EM AC/EM AC/EM AC/EM AC/EM	6 6 6 6	8-3W 8-3W 8-3W 8-3W 8-3W 8-3W	Dark Bronze White Black Titanium Custom Color	700/500 Lumen Output 700/500 Lumen Output 700/500 Lumen Output 700/500 Lumen Output 700/500 Lumen Output		

codes and standards

- ETL Listed to UL924 Standard
- ETL Listed to UL1598 for wet locations
- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)
- "ARRA" Buy American Compliant (when -BAC suffix is specified)
- ADA Compliant
- LM-79 Compliant
- LM-80 Compliant

construction

- Marine grade die cast aluminum housing with miro reflector to provide excellent photometrics. UV Stable polycarbonate lens and neoprene gasket to protect from moisture and rain.
- Polyester powder coat for superior protection. Choice of white or dark bronze. Consult factory for custom finishes.
- 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.

installation

 Universal J-box pattern on back or rigid conduit entry on top of housing for mounting flexibility



electronics

- The charger system includes low voltage disconnect to prevent deep discharge of battery. AC lockout to prevent battery drain prior to the energizing of utility power, and brownout protection which will automatically switch unit into emergency mode if the utility power sags below 80% of nominal. Solid-state, fully automatic charging circuit is protected with a moisture resistant coating. All units are provided with Self-Test/Self Diagnostics.
- 120/277VAC dual voltage input, selectable input.
- Patron LED available in AC only, Emergency only, and AC with integral ni-cad battery operation may be switched on or off to operate as a mini wall light providing 700 lumens in AC mode. AC with integral ni-cad battery and emergency only will provide 500 lumens in emergency mode.
- self-diagnostic/self-test

This feature provides automatic testing and continuous monitoring of the unit and indicates any faults via a dual-color LED lamp. The low-profile test button with easily visible status indicator is located beneath the lens.

This innovative circuitry monitors battery disconnection, charger failure, lamp failure and transformer fault every 5 seconds without discharging the battery or illuminating the lamps. It will automatically indicate lamp, battery, and charger status by dual-color LED lamp.

The LED lamp indicator shows the following status :

- Green ON: Unit is ready.
- · Blinking: Unit is self-testing.
- Red Service Alert (see fault indications)

Fault Indications: (Red LED lamp indicator)

- One blink ON/pause 4 seconds: Battery not connected.
- Two blinks ON/pause 4 seconds : Battery is shorted or battery
- voltage drops below the accepted value .
- Three blinks ON/pause 4 seconds : Charger board circuit fault .
- Four blinks ON/pause 4 seconds: Transformer fault.
- · Five blinks ON/pause 4 seconds: Lamp fault.

The unit will automatically initiate a self-test as follows :

- One minute self-test each month.
- 30 minute self-test on the 6th month following installation .
- 90 minute self-test on the 12th month following installation .
- Manual testing of the unit can be accomplished by pressing the test button as follows :
 - Once 1 minute test
 - Twice 5 minute test
 - Three 30 minute test
 - Four 90 minute test

lamps

 8-3W LED lamps provide 700 lumens in the AC mode and the same LEDs provide 500 initial lumens in the emergency mode. If one LED lamp fails, the remaining stay illuminated. Color temperature is 4500K and provides over 50,000 hours of life in normal usage.

battery

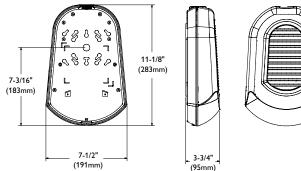
AC with integral ni-cad battery and emergency units contain a 6V maintenance free sealed nickel cadmium battery with an expected service life of 8-12 years and an operating temperature of -4°F (-20°C) to 122°F (50°C). Units with a battery provide a minimum of 90 minutes emergency illumination. Units with a heater will operate in temperatures as low as -20°F (-29°C).

warranty

· Five full year warranty on units

Patron LED die-cast aluminum wall light/unit PL

dimensions



photometrics

Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Indoor performance based on 80/50/20 reflectance and assumes open space with no obstructions. Refer to charts for mounting height. Add 1' to mounting height for ceiling height. Outdoor performance based on 0/30/10 reflectance. Analysis based on independently tested photometrics.

MH

Reflectance

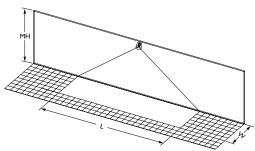
Indoor: 80/50/20

L

Single Unit

Mou		Mounting	Path of	Average	
		Height	Width	Length	Footcandle
	Indoor	9'	10'	41'	1.22
		11'	6'	43'	1.25
	Outdoor	9'	10'	39'	1.17
		11'	6'	41'	1.20

W



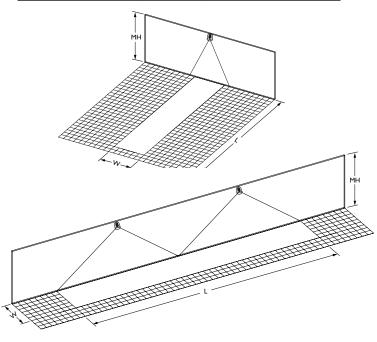
Two Units Center-to-Center Spacing

	МН	w	L	
	Mounting	Path of Egress		Average
	Height	Width	Length	Footcandle
	8'	6'	49'	1.76
	11'	6'	62'	1.04
Indoor	11'	10'	47'	1.07
	14'	6'	54'	1.17
	9'	6'	43'	1.55
.	11'	6'	55'	1.00
Outdoor	11'	10'	42'	1.00
	14'	6'	40'	1.14

signify

Single Unit Forward Path of Egress

		МН	w	L		
		Mounting	Path of	Average		
	Height		Width	Length	Footcandle	
ſ		10'	6'	24'	2.35	
	Outdoor	12'	6'	27'	1.78	
		14'	6'	37'	1.11	



Outdoor: 0/30/10