

ESAU Series

Surface-mount architectural battery unit



Features

Standard features

- Easy to install on a ceiling and pendant mount (pendant kit sold separately)
- Thermoplastic decorative housing, white finish or optional black
- High-temperature rated lithium battery with built-in protection circuit module
- Infrared remote control for testing (up to 9.1m/30')
- Two-wire universal AC input: 120-347VAC 50/60Hz
- Minimum 90 minutes of emergency lighting
- Fixed, optimized light distribution for ceiling heights up to 3.7m (12')
- Four high-intensity LED with redundant connections; 140 lm/W
- Listed for damp locations: 10° to 40°C (50° to 104°F)
- Certified cUL to CSA 22.2 No. 141
- Warranty details at: www.tnb.ca/en/brands/emergi-lite

Optional features

- Time delay: 15 minutes
- Self-test and diagnostics
- Nexus®Pro: Bluetooth® central monitoring system
- Fixed, square light distribution for area of rescue, up to 3.7m (12') ceilings



Remote test control

Nexus®Pro



Made in Canada

Suggested specification

Supply and install the **ESAU Series** of surface-mount emergency lighting unit from **Emergi-Lite®**. The unit construction shall include a thermoplastic housing and backplate. The optics shall be an impact-resistant polycarbonate lens with fixed light distribution optimized for ceiling heights of 2.4 to 3.7m (8 to 12'). The housing shall include an isolated compartment for electrical connections, with access through the ceiling back plate.

The emergency lights shall be four high-intensity LED with operational life of minimum 36,000 hours, until 70% of the initial light level (reported L70). The LED lamps shall have redundant interconnections: eventual failure of one lamp shall allow other LED lamps to function. The unit shall have a two-wire universal input rated 120-347VAC 50/60Hz and shall be equipped with a lithium battery. The charger circuit shall provide: AC lock-out, brownout transfer, and battery disconnect at the end of discharge. The charger shall be micro-controller-based and include, if specified, self-test and diagnostic functions; the unit shall self-test for one minute every month, 30 minutes every six months and 90 minutes annually. The pilot light shall be a bi-colour LED and shall change colour from normal green to flashing red when a failure is detected from the battery, charger circuit or lamps. A label located in the unit shall describe the diagnostic for each flashing code. The unit shall be supplied with an infrared remote control to start or cancel a manual test of one minute duration.

The unit shall be listed for damp locations 10° to 40°C (50° to 104°F)

The unit shall be cUL certified to CSA 22.2 No. 141

The equipment shall be **Emergi-Lite®** model: _____.

Electrical ratings

V (VAC)	Hz	A	Max (W)	Stand-by (W)	P.F.
120		0.03			0.6
277	50/60	0.02	2.8	0.5	0.5
347		0.02			0.45



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Photometric performance

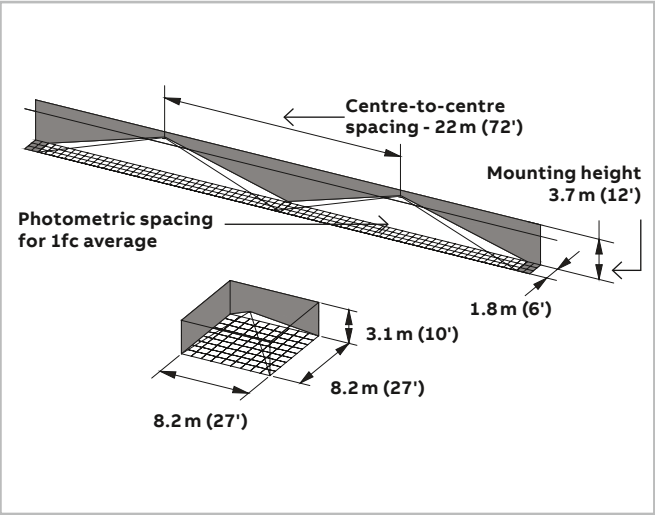
Unlike equipment with adjustable lights, the **ESAU Series** makes the installation faster and prevents errors leading to insufficient lighting on the path of egress.

The **ESAU Series** delivers a stable and consistent illumination making it easy to specify in a wide range of applications. The spacing of illumination ranges from 18.9 to 24.4 m (62 to 80 feet) for standard units (corridor). The area-of-rescue option covers a square surface up to 8.2 m x 8.2 m= 67.2 m² (27' x 27'= 729 ft²).



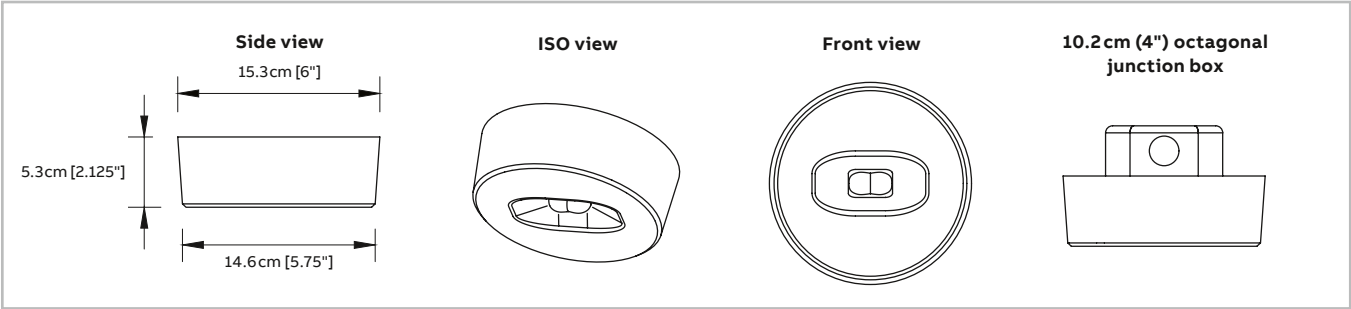
Spacing: standard unit – 1.83m [6-ft] wide corridor

Mounting height	Spacing centre-to-centre	Single unit coverage
2.4 m [8']	18.9 m [62']	17.4 m [57']
2.7 m [9']	20.7 m [68']	18 m [59']
3.1 m [10']	24.4 m [80']	23.5 m [77']
3.7 m [12']	22 m [72']	21 m [69']



Dimensions

Dimensions are approximate and subject to change.



Accessories (order as a separate item)

Series	Product code
Pendant white	P4E*W
Pendant black	P4E*B

Example: P4E12W

*Specify pendant lengths in increments of 6" (ex: 6", 12", 24", etc).
Other lengths available upon request. Consult your sales representative.



Ordering information

Series	Colour	Unit type	Options
ESAU= self-powered surface architectural unit	WH= factory white BK= black	Blank= standard charger UN= advanced diagnostics, non-audible NEXP= Nexus®Pro wireless Bluetooth®	Blank= corridor lighting pattern SQ= square lighting pattern D3= 15 minute time delay¹

Example: ESAUWHSQD3

¹Available with corridor or square lighting pattern