RA Series
Recessed architectural battery unit

Electronics
- Infrared remote test control (up to 30ft)
- Self-test and diagnostic functions operated by micro-controller
- Two-wire universal AC input: 120 – 277VAC 50-60 Hz
- Battery full recharge in 24 hours
- 90 minutes of emergency lighting
- Optional time delay: 15 minutes
- Optional Nexus®Pro IOT emergency lighting central monitoring system
- Optional Power over Ethernet (requires a dedicated PoE switch supplied by an unswitched AC line)

Battery
- High-temperature rated lithium battery

Approvals
- Listed UL-924 for damp locations: 50° to 104°F (10° to 40°C)
- NSF-certified for splash non food zones.
- BC - California Energy Commission Title 20

Warranty
- Unit has a five-year limited warranty
- Detailed warranty terms located online at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

Construction
- Thermoplastic rectangular fixture with additional round trim-plate, white finish
- All-metal backbox enclosure
- Optional black finish
- Fixed optics, optimized light distribution for ceiling heights up to 12 ft
- Four high-intensity LEDs with redundant connections; 140 lm/W, CCT 5000K

Options
- Standard unit 680 lumens
- Square distribution unit 717 lumens
- Plenum-rated enclosure
- Fixed, square distribution pattern up to 12 ft. ceilings

Mounting
- Easily spring mounted in sheetrock ceilings
- Recessed installation in T-bar suspended ceilings

Photometry performance
The RA Series has a fixed lighting distribution, optimized by design for ceiling heights up to 12 ft. The RA Series delivers a stable and optimal illumination easy to specify. Along an office corridor the space coverage ranges from 68 to 80 feet. The square distribution pattern covers a surface of more than 700 square feet.

Table A: Standard unit 6-ft wide corridor

<table>
<thead>
<tr>
<th>Mounting height</th>
<th>Lumens</th>
<th>Spacing center-to-center</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 ft</td>
<td></td>
<td>68 ft</td>
</tr>
<tr>
<td>10 ft</td>
<td>680</td>
<td>80 ft</td>
</tr>
<tr>
<td>12 ft</td>
<td></td>
<td>72 ft</td>
</tr>
</tbody>
</table>

Table B: Option “square distribution pattern” – single unit coverage

<table>
<thead>
<tr>
<th>Mounting height</th>
<th>Lumens</th>
<th>Room size</th>
<th>Room surface</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ft</td>
<td>717</td>
<td>27 ft x 27 ft</td>
<td>729 square feet</td>
</tr>
</tbody>
</table>

Table: AC Input (VAC) Current (A) Power (W) Power factor Stand-by power (W)

<table>
<thead>
<tr>
<th>AC (VAC)</th>
<th>Current (A)</th>
<th>Power (W)</th>
<th>Power factor</th>
<th>Stand-by power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>0.03</td>
<td>2.8</td>
<td>0.6</td>
<td>0.5</td>
</tr>
<tr>
<td>277</td>
<td>0.02</td>
<td>0.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

POE DC supply (V) Maximum Current (A) Power (W)

<table>
<thead>
<tr>
<th>DC supply (V)</th>
<th>Maximum Current (A)</th>
<th>Power (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>44-57</td>
<td>0.08</td>
<td>3</td>
</tr>
</tbody>
</table>

Housing colour
- Black
- White

Note: Illumination levels as per the Life Safety Code (NFPA 101): Average 1 fc; Minimum 0.1 fc, Max-to-min ratio 40:1.
Typical reflectance levels of walls/ceiling/floor: 80/50/20.
**Dimensions**
Dimensions are approximate and subject to change.

**Recessed suspended ceiling mount**

**Recessed sheetrock ceiling mount**

---

**How to order**

<table>
<thead>
<tr>
<th>Color</th>
<th>Series</th>
<th>Input voltage</th>
<th>Unit type</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>RA= Recessed architectural</td>
<td>Blank= 120 to 277VAC, 50/60Hz</td>
<td>Blank= standard charger, non-audible, POE= power over ethernet</td>
<td>Blank= no options</td>
</tr>
<tr>
<td>W</td>
<td>Factory white</td>
<td>D= advanced diagnostics, NEXP= IOT Nexus®Pro</td>
<td>P= plenum/type IC rated, SQ= Square distribution pattern</td>
<td>D3= 15 minute time delay</td>
</tr>
</tbody>
</table>

**Example:** WRAPPOEDD3