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## LED AREA LUMINAIRE

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### *aEmpress-10*

Elegant area luminaire available in 1 LED. Copper and brass construction.

#### Quick Facts

- Copper/brass construction
- Natural, powder-coat, or antiqued copper/brass
- Cree® integrated LEDs
- Tamper-resistant features
- Color temperature filters
- Compatible with Luxor® technology
- Phase and Luxor dimmable
- Input voltage: 10-15 Vac/Vdc



# *a*Empress-10 SPECIFICATIONS

|   |                                    |
|---|------------------------------------|
| <b>Output</b>                           | <b>1 LED</b>                       |
| <b>Total Lumens<sup>†</sup></b>         | 33                                 |
| <b>Input Voltage</b>                    | 10 to 15 V                         |
| <b>Input Power</b>                      | 2.0 W                              |
| <b>Power Consumption (VA)</b>           | 2.4 W                              |
| <b>Efficacy (lm/W)</b>                  | 17                                 |
| <b>Color Rendering Index (CRI)</b>      | 80                                 |
| <b>Max Candela</b>                      | 12                                 |
| <b>Dimming</b>                          |                                    |
| <b>Primary Dimming (Transformer)</b>    | Consult transformer specifications |
| <b>Secondary Dimming (Fixture)</b>      | Phase-cut**                        |
| <b>RGBW Available</b>                   | No                                 |
| <b>Luxor Compatibility</b>              |                                    |
| <b>Default</b>                          | Zoning                             |
| <b>ZD Option</b>                        | Zoning/Dimming                     |
| <b>Minimum Rated Life L90 B10 (Hrs)</b> | 55,000                             |

<sup>†</sup> Measured using the 3,900K CCT lens. Multipliers for other CCTs include 0.80 (2,700K), 0.65 (4,500K), and 0.65 (5,200K).

\*\* For optimal performance, use a trailing-edge (reverse phase-cut) dimmer.

## Lumascap

Lumascap transforms spaces with precision-engineered lighting solutions, proven to perform. Since 1991, customers have relied on us as a leading manufacturer of high-quality, innovative luminaires that solve their toughest lighting challenges. Our global experts combine sophisticated design, advanced technologies, quality materials, and rigorous testing to manufacture a comprehensive range of lighting systems that consistently exceed performance expectations. Lumascap is a member of the Hunter Industries family of companies. Learn more at [lumascap.com](http://lumascap.com).

## Materials

Machined C360 brass cap and reducer with stainless hardware. Spun C110 copper top/shade and extruded C110 copper riser.

## Lamp

Integrated module with Cree LEDs. Gold-plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 55,000 hrs. Maximum drive current: 1 A.

## Optics

Polycarbonate color temperature adjustment lenses included with fixture: 2,700K (preinstalled), 3,900K (no lens) 4,500K, and 5,200K. Conical reflector maximizes distribution according to riser height. Color temperature lenses field serviceable.

## Socket

Socket contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the luminaire.

## Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300 V; 43" (1.1 m) length with 12" (305 mm) riser.

## Power

Input 10–15 Vac/Vdc, 50/60 Hz. Remote transformer required (specify separately).

## Housing

Machined brass housing with capacity for 1 LED integrated LEDs.

## Riser

Features 3/4" (19 mm) copper riser with press-fit brass fittings inserted at 2,000+ lbs (907 kg) of pressure, eliminating the need for adhesives or fasteners.

## Threads

Machined brass fitting with 1/2"-14 (13 mm) NPSM threads.

## Hardware

Includes ratcheting ABS spike for 360° horizontal rotation in 10° increments. Tamper-resistant locking screw included.

## Lens

Frosted polycarbonate lens with high tolerance for thermal expansion, stress, and abuse.

## Finish

Options of natural copper/brass finish, or antiqued finish with brushed (Antique Bronze) or tumbled (Antique Tumbled) effect. Antique finishes sealed with a clear TGIC powder-coat layer. Brass accent pieces (cap and reducer) remain natural (not powder-coated) for BL, SL, LT, AG, WT, DA, BT, DB, and CC finishes.

**Ambient Operating Temperature**  
0°F to 140°F (-18°C to 60°C)

## Control

ZDLink® utilizes Luxor technology to zone light fixtures in up to 250 groups and dim each group in 1% increments between 0 and 100%. Select the ZD option for zoning/dimming. Standard fixture is zoneable with ZDLink.

## Weight

2.8 lbs (1.3 kg)

## Installation Requirements

Designed for installation in the downward lighting direction only.

## Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

## International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-4 when used with ground mount ("GM-XX") accessory, or alternate mount greater than or equal to IP65.

## Dark-Sky Compliance

Select a light source of 3,000K or lower to meet International Dark-Sky Association criteria.

## Manufacturing

ISO 9001:2015 certified facility













## Warranty

5-year limited warranty

## Listings



# aEmpress-10 ORDERING INFORMATION

| Luminaire | Luxor Option        | Output          | Color Temp      | Riser                           | Finish  |
|-----------|---------------------|-----------------|-----------------|---------------------------------|---|
| aEMP-10*  | ■ [default]<br>Zone | ■ 1LED<br>33 lm | ■ K27<br>2,700K | ■ 08R<br>8" (203 mm)<br>Riser   | ■ CU<br>Natural Copper<br> ■ AT<br>Antique<br>Tumbled<br> |
|           | ■ ZD<br>Zone/Dim    |                 |                 | ■ 12R<br>12" (305 mm)<br>Riser  | ■ AB<br>Antique Bronze<br> ■ WT<br>White<br>              |
|           |                     |                 |                 | ■ 18R<br>18" (457 mm)<br>Riser  | ■ BL<br>Black<br> ■ DA<br>Dark<br>Aluminum<br>            |
|           |                     |                 |                 | ■ 24R*<br>24" (610 mm)<br>Riser | ■ SL<br>Anodic Silver<br> ■ BT<br>Basalt Gray<br>         |
|           |                     |                 |                 | ■ 36R*<br>36" (914 mm)<br>Riser | ■ LT<br>Latte<br> ■ DB<br>Dark Bronze<br>                 |
|           |                     |                 |                 |                                 | ■ AG<br>Anthracite Gray<br> ■ CC<br>Custom RAL<br>        |

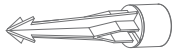



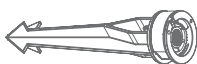

EXAMPLE LUMINAIRE CONFIGURATION: aEMP-10-ZD-1LED-K27-12R-SL†

aEMP-10 - [ ] - 1LED - K27 - [ ] - [ ]

\* Ships with ProAim® ratcheting spike

† Hyphens are for readability purposes only.

## MOUNTING OPTIONS: Specify Separately


| Mounts  | Code†             |   |
|---|-------------------|---|
| ■ SUPER J-BOX<br>2.5" (64 mm) x 12" (305 mm)                | SJ-XX*            |  |
| ■ POST MOUNT<br>2.5" (64 mm) x 13" (33 mm)                  | PM-XX*            |  |
| ■ GROUND MOUNT<br>2.7" (67 mm) Diameter                     | GM-XX*            |  |
| ■ VERSABOX®<br>2.2" (57 mm) x 1.5" (39 mm)                  | VB-050-XX*        |  |
| ■ PROAIM® RATCHETING SPIKE<br>4.0" (102 mm) x 4.0" (102 mm) | PARS              |  |
| ■ 3-PRONG SPIKE<br>5.1" (129 mm) x 9" (229 mm)              | 2500200-<br>20000 |  |

\* XX = Finish code


\*\* YY = Riser height in inches (6" increments between 6" and 36"; 150 mm increments between 150 mm and 900 mm).

† Hyphens are for readability purposes only.

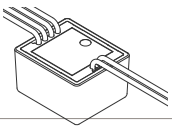
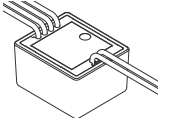
## COUPLING OPTIONS: Order Individually

| Couplings                                 | Code†    |   |
|---|----------|---|
| ■ STRAIGHT<br>1.3" (32 mm) x 2.0" (51 mm) | COUP-XX* |  |

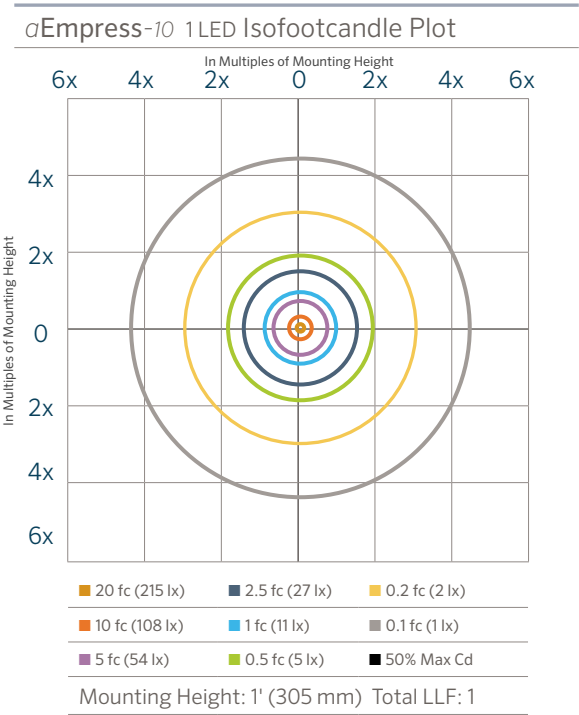
## RISER OPTIONS: Order Individually

| Riser                                     | Code†      |   |
|---|------------|---|
| ■ ALUMINUM RISER<br>0.8" (21 mm) Diameter | YY**-R-XX* |  |

## LUXOR TECHNOLOGY OPTIONS: Specify Separately

| Riser  | Code†        |   |
|--|--------------|---|
| ■ LOW-VOLTAGE CUBE<br>Supports AC dimmable LEDs and incandescent<br>MAX LOAD: 60 W/5 A | LCM-LV       |  |
| ■ RELAY/0-10 V CUBE<br>Supports relay switch<br>MAX LOAD:<br>250 Vac/5 A               | LCM-RLY-010V |  |

*aEmpress-10* PHOTOMETRICS



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