




---

 TYPE
 

---



---

 CATALOG #
 

---



---

 PROJECT
 

---



---

 NOTES
 

---

## LED AREA LUMINAIRE

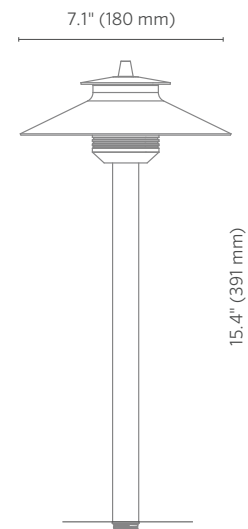
---

### *aEmpress-18*

Sleek area luminaire in 1 or 3 LED. Copper and brass construction. RGBW capable with **ZDCLink®** systems.

#### Quick Facts

- Copper/brass construction
- Natural, powder-coat, or antique 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



## *aEmpress*-18 SPECIFICATIONS

Output	1 LED	3 LED	3 LEDT	ZDC
Total Lumens <sup>†</sup>	35	93	74	73
Input Voltage	10 to 15 V	10 to 15 V	10 to 15 V	11 to 15 V
Input Power	2.0 W	4.2 W	4.2 W	6.0 W
Power Consumption (VA)	2.4 W	4.5 W	4.5 W	7.2 W
Efficacy (lm/W)	18	22	21	23
Color Rendering Index (CRI)	80	80	--	85
Max Candela	11	33	37	23
Dimming				
Primary Dimming (Transformer)	Consult transformer specifications			
Secondary Dimming (Fixture)	Phase-cut**	Phase-cut**	Phase-cut**	Luxor
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	--	--
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	Zoning/Dimming/Color
Minimum Rated Life L90 B10 (Hrs)	55,000	55,000	55,000	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.

# *a*Empress-18 SPECIFICATIONS

## 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.

## Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300 V; 3.6' (1.1 m) length with 12" (305 mm) riser.

## Weight

4.0 lbs (1.8 kg)

## Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

## 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 luminaire: 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.

## Housing

Machined brass housing with capacity for 1 LED integrated LED.

## Socket

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

## Power

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

## Riser

Features ¾" (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 ½"-14 (13 mm) NPSM threads.

## Lens

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

## Hardware

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

## 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.

## Installation Requirements

Designed for installation in the downward lighting direction only.

## Manufacturing

ISO 9001:2015 certified facility

## 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.

## Control

ZDCLink® 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 ZDCLink.

## Wildlife-Friendly Lighting

When used with the 3 LEDT Output option, this luminaire is Wildlife Lighting Certified by the Florida Fish and Wildlife Conservation Commission.

## Dark-Sky Compliance

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

## 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.













## Warranty

5-year limited warranty

## Listings



# aEmpress-18 ORDERING INFORMATION

Luminaire	Luxor Option	Output	Color Temp	Riser	Finish			
aEMP-18*	■ [default] Zone	■ 1LED 35 lm	■ K27 2,700K	■ 08R 8" (203 mm) Riser	■ CU Natural Copper		■ AT Antique Tumbled	
	■ ZD Zone/Dim	■ 3LED 93 lm		■ 12R 12" (305 mm) Riser	■ AB Antique Bronze		■ WT White	
		■ 3LEDT** Wildlife-Friendly Amber (585-595 nm)		■ 18R 18" (457 mm) Riser	■ BL Black		■ DA Dark Aluminum	
	■ ZDC Zone/Dim/ Color	■ [default] 73 lm		■ 24R 24" (610 mm) Riser	■ SL Anodic Silver		■ BT Basalt Gray	
				■ 36R 36" (914 mm) Riser	■ LT Latte		■ DB Dark Bronze	
					■ AG Anthracite Gray		■ CC Custom RAL	

EXAMPLE LUMINAIRE CONFIGURATION: aEMP-18-ZD-3LED-K27-24R-SL†

aEMP-18



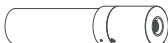



 -  -  -  - 

\* Ships with ProAim® ratcheting spike.

\*\* Available with ZD Luxor option and CU, AB, or AT finishes only.

† Hyphens are for readability purposes only

## MOUNTING OPTIONS: Specify Separately


Mounts	Code†	
■ SUPER J-BOX 2.5" (64 mm) x 12" (305 mm)	SJ-XX*	
■ POST MOUNT 2.5" (64 mm) x 13" (330 mm)	PM-XX*	
■ GROUND MOUNT 2.7" (67 mm) Diameter	GM-XX*	
■ VERSABOX® 2.2" (57 mm) x 1.5" (39 mm)	VB-050-XX*	
■ PROAIM RATCHETING SPIKE 4.0" (102 mm) x 4.0" (102 mm)	PARS	
■ 3-PRONG SPIKE 5.1" (129 mm) x 9" (229 mm)	2500200- 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.

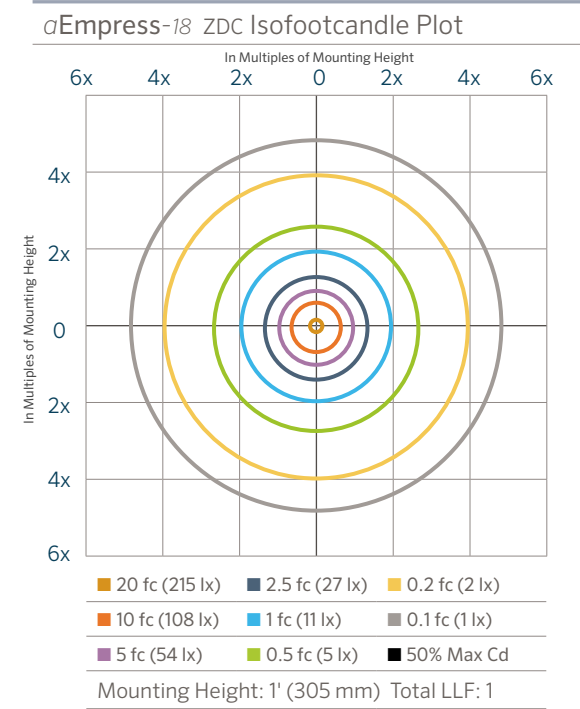
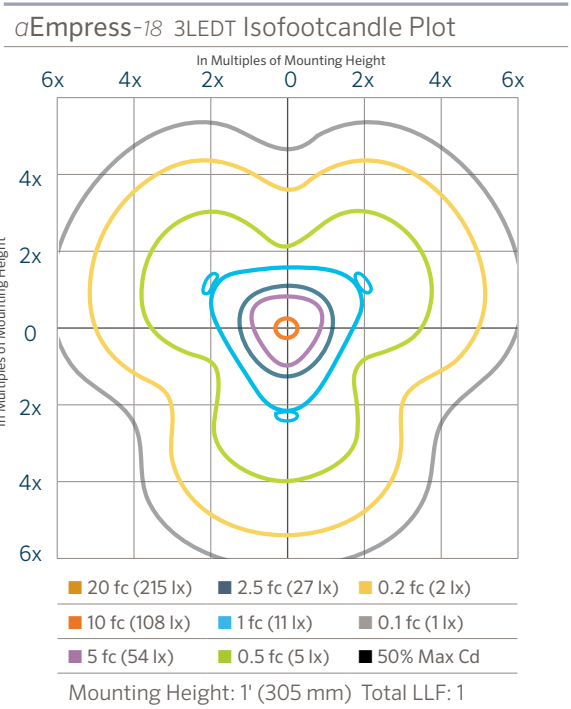
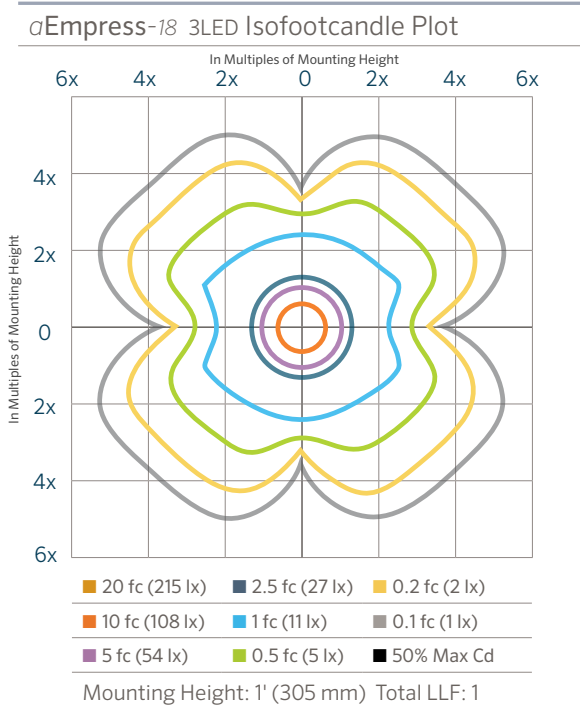
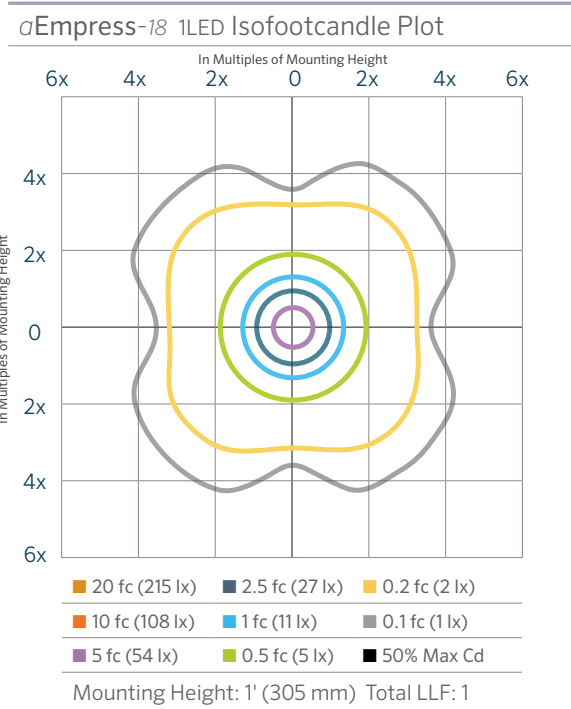
## RISER OPTIONS: Specify Separately

Riser	Code†	
■ COPPER RISER 1.0" (25 mm) Diameter	YY**-R-GT-XX*	

## COUPLING OPTIONS: Order Individually

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

*αEmpress-18* PHOTOMETRICS



Cree is a registered trademark of Cree Inc. MoistureBlock is a trademark of DSM&T Co. Inc.

© 2021 Hunter Industries™. Hunter, Lumascape, all related logos, and all other trademarks are property of Hunter Industries, registered in the U.S. and other countries.