| TYPE	
CATALOG #	
PROJECT	
NOTES	

LED AREA FIXTURE

*a***Empress***-15a*

Versatile area luminaire available in 1 or 3 LED. Aluminum construction. RGBW capable with **ZDC**link® systems.

Quick Facts

- Aluminum construction
- Two-layer marine-grade anodization and powder-coat finish
- Cree® integrated LEDs
- Tamper-resistant features

- Color temperature filters
- Compatible with Luxor® technology
- Phase and Luxor dimmable
- Input voltage: 10–15 Vac/Vdc

6.0" (152 mm)

12.7" (312 mm)
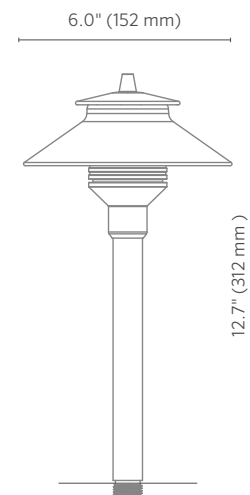
aEmpress-*15a* SPECIFICATIONS

Output	1 LED	3 LED	ZDC
Total Lumens†	26	84	66
Input Voltage	10 to 15 V	10 to 15 V	11 to 15 V
Input Power	2.0 W	4.2 W	6.0 W
Power Consumption (VA)	2.4 W	4.5 W	7.2 W
Efficacy (lm/W)	13	21	21
Color Rendering Index (CRI)	75	75	85
Max Candela	12	27	26
Dimming			
Primary Dimming (Transformer)	Consult transformer specifications		
Secondary Dimming (Fixture)	Phase-cut**	Phase-cut**	Luxor
RGBW Available	No	No	Yes
Luxor Compatibility			
Default	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	Zoning/Dimming/Color
Minimum Rated Life L90 B10 (Hrs)	55,000	55,000	55,000

† 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.*

Lumascape
Lumascape 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. Lumascape is a member of the Hunter Industries family of companies. Learn more at lumascape.com.

Materials
Die-cast aluminum A380 housing, top/shade and 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 upgradable 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 fixture.

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
Die-cast aluminum housing with capacity for 1 LED, 3 LED, or ZDC integrated LEDs.

Riser
¾" (19 mm) aluminum riser with machined male threads.

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
Two-layer protection of sulfuric acid anodization and polyester TGIC powder-coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

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

Weight
2.3 lbs. (1.0 kg)

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 **ZDC**link.

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.
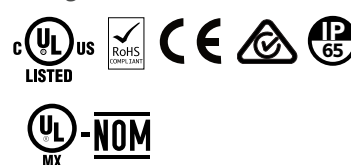
Manufacturing
ISO 9001:2015 certified facility.

Warranty
5-year limited warranty.

Listings

aEmpress-15a ORDERING INFORMATION

Luminaire	Luxor Option	Output	Color Temp	Riser	Finish			
aEMP-15a*	■ [default] Zone	■ 1LED 26 lm	■ K27 2,700K	■ 08R 8" (203 mm) Riser	■ BL Black		■ DA Dark Aluminum	
	■ ZD Zone/Dim	■ 3LED 84 lm		■ 12R 12" (305 mm) Riser	■ SL Anodic Silver		■ BT Basalt Gray	
	■ ZDC Zone/Dim/Color	■ [default] 66 lms		■ 18R 18" (457 mm) Riser	■ LT Latte		■ DB Dark Bronze	
				■ 24R* 24" (610 mm) Riser	■ AG Anthracite Gray		■ CC Custom RAL	
				■ 30R* 30" (762 mm) Riser	■ WT White			
				■ 36R* 36" (914 mm) Riser				

EXAMPLE FIXTURE CONFIGURATION: aEMP-15a-ZD-3LED-K27-24R-SL†

aEMP-15a	–		–	A	–	K27	–		–	

* Ships with ProAim® ratcheting spike.
† 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*
■ PROAIM RATCHETING SPIKE 2.4" (61 mm) x 10" (254 mm)	PARS
■ 3-PRONG SPIKE 5.0" (127 mm) x 9.0" (229 mm)	250020020000
■ POST MOUNT 2.5" (64 mm) x 13" (330 mm)	PM-XX*
■ GROUND MOUNT 2.7" (67 mm) Diameter CE	GM-XX*
■ VERSABOX® 2.2" (57 mm) x 1.5" (39 mm)	VB-050-XX*

*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.

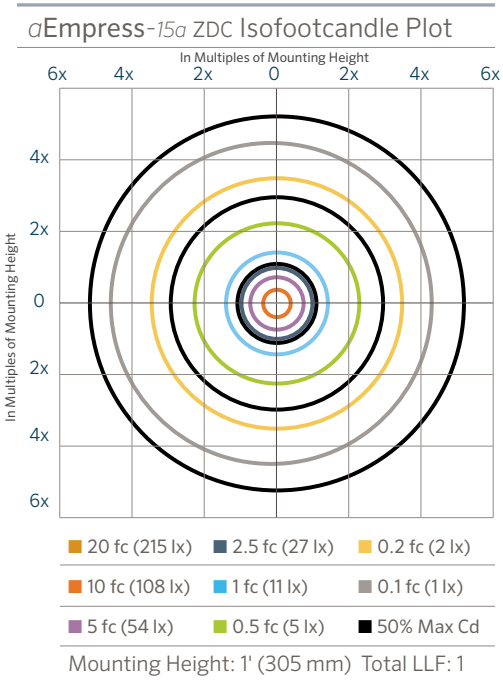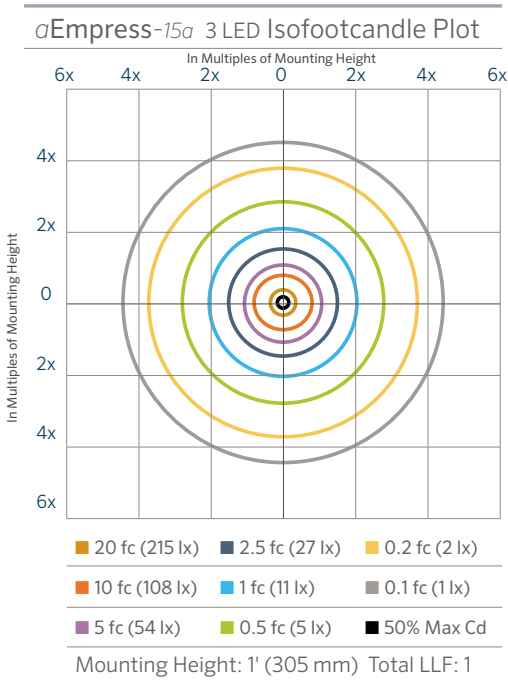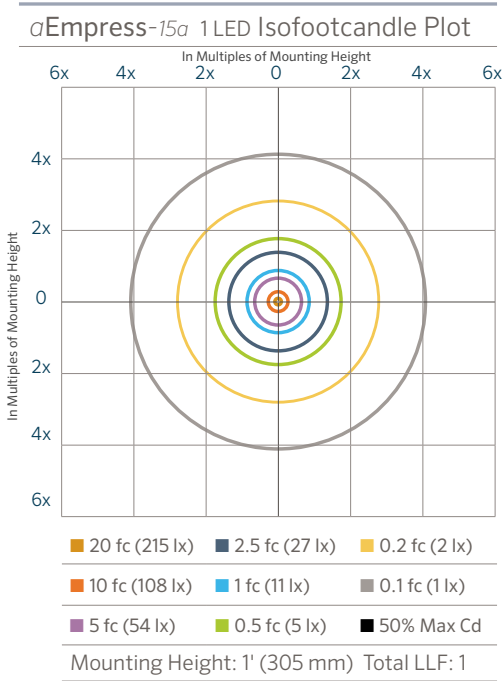## COUPLING OPTIONS: Order Individually

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

RISER OPTIONS: Order Individually

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

aEmpress-15a PHOTOMETRICS

aEmpress-15a 1 LED Isofootcandle Plot

In Multiples of Mounting Height

■ 20 fc (215 lx)	■ 2.5 fc (27 lx)	■ 0.2 fc (2 lx)
■ 10 fc (108 lx)	■ 1 fc (11 lx)	■ 0.1 fc (1 lx)
■ 5 fc (54 lx)	■ 0.5 fc (5 lx)	■ 50% Max Cd

Mounting Height: 1' (305 mm) Total LLF: 1

aEmpress-15a 3 LED Isofootcandle Plot

In Multiples of Mounting Height

■ 20 fc (215 lx)	■ 2.5 fc (27 lx)	■ 0.2 fc (2 lx)
■ 10 fc (108 lx)	■ 1 fc (11 lx)	■ 0.1 fc (1 lx)
■ 5 fc (54 lx)	■ 0.5 fc (5 lx)	■ 50% Max Cd

Mounting Height: 1' (305 mm) Total LLF: 1

aEmpress-15a ZDC Isofootcandle Plot

In Multiples of Mounting Height

■ 20 fc (215 lx)	■ 2.5 fc (27 lx)	■ 0.2 fc (2 lx)
■ 10 fc (108 lx)	■ 1 fc (11 lx)	■ 0.1 fc (1 lx)
■ 5 fc (54 lx)	■ 0.5 fc (5 lx)	■ 50% Max Cd

Mounting Height: 1' (305 mm) Total LLF: 1