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## LED DIRECTIONAL LUMINAIRES

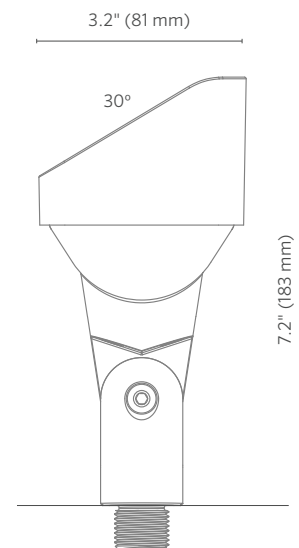
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### *dFresco-11*

Substantial wall wash light in 1, 3, 6, or 9 LED.  
Available in aluminum or brass construction. RGBW  
capable with **ZDCLink™** systems.

#### Quick Facts

- Die-cast aluminum
- Natural or antique brass finishes
- Cree® Integrated LEDs
- ProAim™ adjustability
- Tamper-resistant features
- Color temperature filters
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V



# dFresco-11 SPECIFICATIONS

Output	1LED	3LED	6LED	9LED	ZDC
<b>Total Lumens<sup>†</sup></b>	63	154	331	436	192
<b>Input Voltage</b>	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
<b>Input Power (W)</b>	2.0	4.2	10.1	11.2	9.1
<b>VA</b>	2.4	4.5	13.5	13.5	11.0
<b>Efficacy (Lumens/Watt)</b>	31.0	36.0	36.0	37.0	37.0
<b>Color Rendering Index (CRI)</b>	83.0	80.0	82.0	79.0	82.0
<b>Center Beam Candlepower*</b>	33	79	174	230	193
<b>Dimming</b>	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**	--
<b>RGBW Available</b>	No	No	No	No	Yes
<b>Luxor Compatibility</b>					
<b>Default</b>	Zoning	Zoning	Zoning	Zoning	--
<b>ZD Option</b>	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
<b>ZDC Option</b>	--	--	--	--	Zoning/Dimming/ Color
<b>Minimum Rated Life (L70)</b>	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs

\* Information not available for Flood or Wide Flood. \*\* For optimal performance, use a trailing-edge, phase-cut dimmer.

† Measured using the 3,900K CCT lens. Multipliers for other CCT's include 0.80 (2,700K), 0.65 (4,500K), and 0.65 (5,200K).

## Holm

Holm was born from an industry demand for a comprehensive offering of distinctive line- and low-voltage luminaires for the commercial market. Our products are designed to meet required specifications while echoing the aesthetics of each project. Holm is a Hunter Industries company with more than three decades of engineering expertise, now bringing its Luxor technology to the commercial architectural and landscape lighting market.

## Materials

Die-cast C360 brass housing, shroud, and knuckle/base assembly with brass hardware.

## 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 50,000 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. Color temperature lenses field serviceable. Beam angle is calculated using LM-79 method for SSL luminaires.

## 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); 300V; 5' (1.5 m) length.

## Power

Input 10-15 VAC/VDC, 50/60 Hz. Remote transformer required (specify separately).

## Housing

Die-cast brass housing with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs.

## Shroud

Die-cast brass shroud with 30° cutoff.

## Knuckle

Die-cast brass knuckle with ½"-14 NPSM threads. Compress and lock features prevent slip after installation. 9° increments adjustability over 220° of vertical adjustment.

## Lens

Tempered frosted glass lens with shock resistance and high tolerance for thermal expansion and stress

## Finish

Options of natural brass finish, or antiqued finish with brushed (Antique Bronze) or tumbled (Antique Tumbled) effect. Antique finishes sealed with a clear TGIC powder coat layer.

## Hardware

¼"-20 x ¾" brass angle lock screw with 8-32 x ⅜" set screw. Includes ProAim ratcheting ABS spike for 360° horizontal rotation in 10° increments. Tamper-resistant locking screw included.

## Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

## Weight

3.8 lbs. (1.7 kg)

## Control

**ZD** or **ZDC** utilizes Luxor technology to zone light luminaires in up to 250 groups, dim each group in 1% increments between 0 and 100%, or change to one of 30,000 colors with RGBW LEDs. Select the ZD option for zoning/dimming or ZDC for zoning/dimming/color. Standard luminaire is zoneable with **ZDClink**.

## 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.

## Installation Requirements

Designed for installation in the upward direction only.




## Warranty

5-year limited warranty

## Listings



# dFresco-11 ORDERING INFORMATION

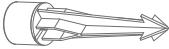



Luminaire-Size	Luxor Option	Output	Finish
dFRS-11*	■ [default] Zone	■ 1LED 63 Lumens	■ BS Natural Brass 
	■ ZD Zone/Dim	■ 3LED 154 Lumens	■ AB Antique Bronze 
		■ 6LED 331 Lumens	■ AT Antique Tumbled 
		■ 9LED 436 Lumens	
	■ ZDC Zone/Dim/Color	■ [default] 192 Lumens	

EXAMPLE LUMINAIRE CONFIGURATION: dFRS-11-ZD-3LED-AB


dFRS-11 -  -  -

\* Ships with ProAim ratcheting spike

## 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*	

## RISER OPTIONS: Specify Separately

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

\*YY = riser height in inches (6" increments between 6" and 36"; 150 mm increments between 150 mm and 900 mm), XX = finish code

# dFresco-11 PHOTOMETRICS

## dFresco-11 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 86.5°	Horizontal 93.7°
4.0' (1.2 m)	2.0 fc (23 lx)	7.5' (2.3 m)	8.5' (2.6 m)
8.0' (2.4 m)	0.5 fc (5 lx)	15.0' (4.6 m)	17.1' (5.2 m)
12.0' (3.7 m)	0.2 fc (2 lx)	22.5' (6.9 m)	25.6' (7.8 m)
16.0' (4.9 m)	0.1 fc (1 lx)	30.0' (9.1 m)	34.1' (10.4 m)
20.0' (6.1 m)	0.1 fc (1 lx)	37.5' (11.4 m)	42.7' (13.0 m)
24.0' (7.3 m)	0.1 fc (1 lx)	45.0' (13.7 m)	51.2' (15.6 m)

## dFresco-11 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 84.5°	Horizontal 95.4°
4.0' (1.2 m)	4.9 fc (53 lx)	7.3' (2.2 m)	8.8' (2.7 m)
8.0' (2.4 m)	1.2 fc (13 lx)	14.5' (4.4 m)	17.6' (5.4 m)
12.0' (3.7 m)	0.6 fc (7 lx)	21.8' (6.7 m)	26.4' (8.1 m)
16.0' (4.9 m)	0.3 fc (3 lx)	29.0' (8.8 m)	32.2' (9.8 m)
20.0' (6.1 m)	0.2 fc (2 lx)	36.3' (11.1 m)	44.0' (13.4 m)
24.0' (7.3 m)	0.1 fc (1 lx)	43.6' (13.3 m)	52.8' (16.1 m)

## dFresco-11 6LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 81.5°	Horizontal 94.0°
4.0' (1.2 m)	10.7 fc (115 lx)	6.9' (2.1 m)	8.6' (2.6 m)
8.0' (2.4 m)	2.7 fc (29 lx)	13.8' (4.2 m)	17.2' (5.2 m)
12.0' (3.7 m)	1.2 fc (13 lx)	20.7' (6.3 m)	25.7' (7.8 m)
16.0' (4.9 m)	0.7 fc (8 lx)	27.6' (8.4 m)	34.3' (10.5 m)
20.0' (6.1 m)	0.4 fc (4 lx)	34.4' (10.5 m)	42.9' (13.1 m)
24.0' (7.3 m)	0.3 fc (3 lx)	41.3' (12.6 m)	51.5' (15.7 m)

## dFresco-11 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 81.7°	Horizontal 90.9°
4.0' (1.2 m)	14.4 fc (155 lx)	6.9' (2.1 m)	8.1' (2.5 m)
8.0' (2.4 m)	3.6 fc (39 lx)	13.8' (4.2 m)	16.3' (5.0 m)
12.0' (3.7 m)	1.6 fc (17 lx)	20.7' (6.3 m)	24.4' (7.4 m)
16.0' (4.9 m)	0.9 fc (10 lx)	27.6' (8.4 m)	32.5' (9.9 m)
20.0' (6.1 m)	0.6 fc (7 lx)	34.4' (10.5 m)	40.7' (12.4 m)
24.0' (7.3 m)	0.4 fc (4 lx)	41.3' (12.6 m)	48.8' (14.9 m)

## dFresco-11 ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 38.1°	Horizontal 40.2°
4.0' (1.2 m)	10.8 fc (116 lx)	2.8' (0.9 m)	2.9' (0.9 m)
8.0' (2.4 m)	2.7 fc (29 lx)	5.5' (1.7 m)	5.9' (1.8 m)
12.0' (3.7 m)	1.2 fc (13 lx)	8.3' (2.5 m)	8.8' (2.7 m)
16.0' (4.9 m)	0.7 fc (8 lx)	11.0' (3.4 m)	11.7' (3.6 m)
20.0' (6.1 m)	0.4 fc (4 lx)	13.8' (4.2 m)	14.6' (4.5 m)
24.0' (7.3 m)	0.3fc (3 lx)	16.6' (5.1 m)	17.6' (5.4 m)

NOTE: Photometric data displayed using 3900K filter.  
ZDC option defaults to wide flood.