



TYPE

CATALOG #

PROJECT

NOTES

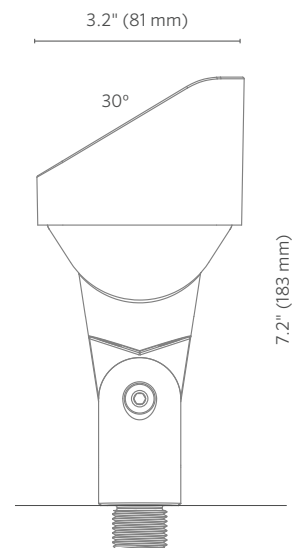
LED DIRECTIONAL LUMINAIRES

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

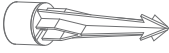



Luminaire-Size	Luxor Option	Output	Finish
dFRS-11*	■ [default] Zone	■ 1LED 63 Lumens	■ BS Natural Brass 
	■ ZD Zone/Dim	■ 3LED 154 Lumens	■ AB Antique Bronze 
		■ 6LED 331 Lumens	■ AT Antique Tumbled 
		■ 9LED 436 Lumens	
	■ ZDC Zone/Dim/Color	■ [default] 192 Lumens	

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.



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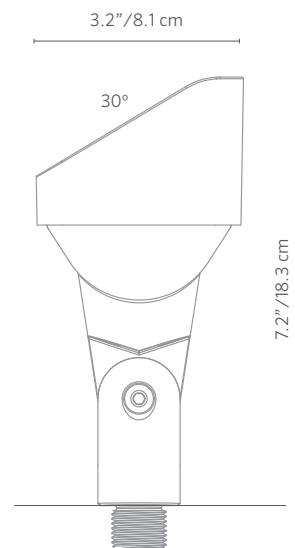
LED DIRECTIONAL FIXTURES

dFresco-11a

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

Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Cree® Integrated LEDs
- ProAim™ adjustability
- Tamper resistant features
- Color temperature filters
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V



dFresco-11a SPECIFICATIONS

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

† Measured using the 3900K CCT lens. Multipliers for other CCT's include 0.80 (2700K), 0.65 (4500K), and 0.65 (5200K)

Holm

Holm. Born from an industry demand for a comprehensive offering of distinctive line and low voltage lighting fixtures for the commercial market. Our products are designed to meet required specifications while echoing the aesthetics of the 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 aluminum A380 housing and shroud with stainless steel hardware. Die-cast zinc/aluminum alloy knuckle.

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 up-gradeable and replaceable, the LEDs are rated to 50,000 hrs. Maximum drive current: 1 A

Optics

Polycarbonate color temperature adjustment lenses included with fixture: 2700K (preinstalled), 3900K (no lens), 4500K, and 5200K. 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 SPT-1W 105° C 300V 1.5 meter length

Power

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

Housing

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

Shroud

Die-cast aluminum shroud with 30° cutoff.

Knuckle

Die-cast aluminum 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

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

Hardware

¼-20 x ¾" stainless steel angle lock 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

Weight

2.0 lbs.

Control

ZDlink or ZDClink utilizes Luxor[®] technology to zone light fixtures 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 fixture is zoneable with ZDlink or ZDClink.

Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining the highest quality and 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-11a ORDERING INFORMATION

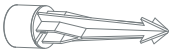









Fixture-Size	Luxor Option	Output	Finish
dFRS-11a*	■ [blank] Zone	■ 1LED 63 Lumens	■ BZ Bronze Metallic 
	■ ZD Zone/Dim	■ 3LED 154 Lumens	■ SV Silver 
		■ 6LED 331 Lumens	■ FB Flat Black 
		■ 9LED 436 Lumens	■ FW Flat White 
	■ ZDC Zone/Dim/Color	■ [blank] 192 Lumens	■ RL RAL Color 

EXAMPLE FIXTURE CONFIGURATION: dFRS-11a-ZDC-SV

dFRS-11a - - -




* Ships with ProAim™ ratcheting spike

MOUNTING OPTIONS: Specify Separately



Mounts	Code	
■ SUPER J-BOX 2.5" 6.4cm x 12" 30.5cm	SJ-XX*	
■ POST MOUNT 2.5" 6.4cm x 13" 33cm	PM-XX*	
■ GROUND MOUNT 2.7" 6.7 cm Diameter	GM-XX*	
■ VERSA BOX 2.2" 5.7cm x 1.5" 3.9cm	VB-050-XX*	
■ MINI J-BOX 3.5" 8.9cm x 1.3" 3.4cm	MJ-050-XX*	
■ TREE BOX 5.4" 13.8cm x 1.9" 4.9cm	TB-XX*	
■ GUTTER MOUNT 4.0" 10.2cm x 4.0" 10.2cm	GM-SS	
■ WALL PLATES 3.4" 8.5cm x 5.1" 12.9cm	WP-1G-050-XX*	
■ WALL PLATES 5.0" 12.7cm Diameter	WP-RD-050-XX*	
■ WALL MOUNT X.0" XX.Xcm Diameter	WM-XX*	

*YY = riser height in inches (6" increments between 6" and 36"),
XX = finish code

COUPLING OPTIONS: Specify Separately

Couplings	Code	
■ STRAIGHT 1.3" 3.2cm x 2.0" 5.1cm	COUP-XX*	
■ 90° ELBOW 1.3" 3.2cm x 2.0" 5.1cm	ELBW-050-XX*	
■ T-MOUNT 3.0" 7.6cm x 2.2" 5.7cm	TMNT-050-XX*	

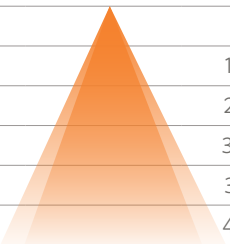
RISER OPTIONS: Specify Separately

Riser	Code	
■ RISER 0.8" 2.1cm Diameter	YY-R-XX*	
■ SIGN LIGHT RISER 0.8" 2.1cm Diameter w/ 45° Inward Curve	YY-R-SL-XX*	

dFresco-11a PHOTOMETRICS

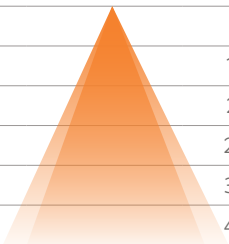
dFresco-11a 1LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
		Vertical 86.5°	Horizontal 93.7°
4.0 ft	2.0 fc	7.5 ft	8.5 ft
8.0 ft	0.5 fc	15.0 ft	17.1 ft
12.0 ft	0.2 fc	22.5 ft	25.6 ft
16.0 ft	0.1 fc	30.0 ft	34.1 ft
20.0 ft	0.1 fc	37.5 ft	42.7 ft
24.0 ft	0.1 fc	45.0 ft	51.2 ft



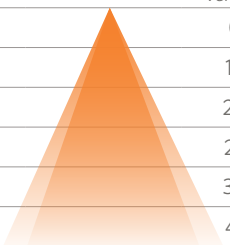
dFresco-11a 3LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
		Vertical 84.5°	Horizontal 95.4°
4.0 ft	4.9 fc	7.3 ft	8.8 ft
8.0 ft	1.2 fc	14.5 ft	17.6 ft
12.0 ft	0.6 fc	21.8 ft	26.4 ft
16.0 ft	0.3 fc	29.0 ft	32.2 ft
20.0 ft	0.2 fc	36.3 ft	44.0 ft
24.0 ft	0.1 fc	43.6 ft	52.8 ft



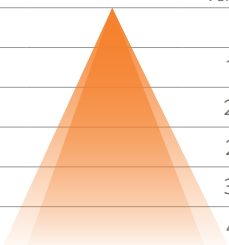
dFresco-11a 6LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
		Vertical 81.5°	Horizontal 94.0°
4.0 ft	10.7 fc	6.9 ft	8.6 ft
8.0 ft	2.7 fc	13.8 ft	17.2 ft
12.0 ft	1.2 fc	20.7 ft	25.7 ft
16.0 ft	0.7 fc	27.6 ft	34.3 ft
20.0 ft	0.4 fc	34.4 ft	42.9 ft
24.0 ft	0.3 fc	41.3 ft	51.5 ft



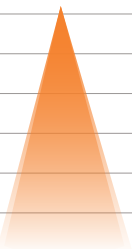
dFresco-11a 9LED Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
		Vertical 81.7°	Horizontal 90.9°
4.0 ft	14.4 fc	6.9 ft	8.1 ft
8.0 ft	3.6 fc	13.8 ft	16.3 ft
12.0 ft	1.6 fc	20.7 ft	24.4 ft
16.0 ft	0.9 fc	27.7 ft	32.5 ft
20.0 ft	0.6 fc	34.6 ft	40.7 ft
24.0 ft	0.4 fc	41.5 ft	48.8 ft



dFresco-11a ZDC Illuminance at a Distance

Feet	Center Beam Fc	Beam Width	
		Vertical 38.1°	Horizontal 40.2°
4.0 ft	10.8 fc	2.8 ft	2.9 ft
8.0 ft	2.7 fc	5.5 ft	5.9 ft
12.0 ft	1.2 fc	8.3 ft	8.8 ft
16.0 ft	0.7 fc	11.0 ft	11.7 ft
20.0 ft	0.4 fc	13.8 ft	14.6 ft
24.0 ft	0.32fc	16.6 ft	17.6 ft



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