LUMASCAPE

Project Name	
Type	
Part Number	
Quantity	
Notes	

Product Overview

The dFresco-9 is a medium-sized wall wash in 3 LED in brass construction. An RGBW version is also available for use with with ZDClink® systems.

Features

Total Lumens	265 lm
Power Consumption	2.2 W	4.4 W	4.5 W
Input Voltage	White: 10-15 Vac/dc, 50/60 Hz	ZDC: 11-15 Vac, 50/60 Hz
Installation Requirements	Upward Direction Only
Typical Lifetime	White: 72,000 hrs	RGBW: 55,000 hrs
Weight	2.4 lb (1.1 kg)
Compliance	c UL us	UL-NOM	RoHS COMPLIANT	WILDLIFE LIGHTING
Color Options	

Technology

cooldrive™	humantouch™	microantileach™

Written Specifications

Electrical

Power Consumption	Specified power consumption indicates the full apparent power.
Input Voltage	White: 10–15 Vac/dc, 50/60 Hz.
	RGBW: 11–15 Vac, 50/60 Hz.
	Remote transformer required (specify separately).
Configuration	Integral driver.
LED	White: Lumileds®
	RGBW: Cree®
Thermal Management	CoolDrive™ onboard thermal monitoring and control.
Lifetime	White: >72,000 hours (L70, B10, TM21 Reported)
	RGBW: >55,000 hours (L70, B10, TM21 Reported)
Dimming	Luxor® control or a trailing-edge (reverse phase-cut) dimmer.

Control

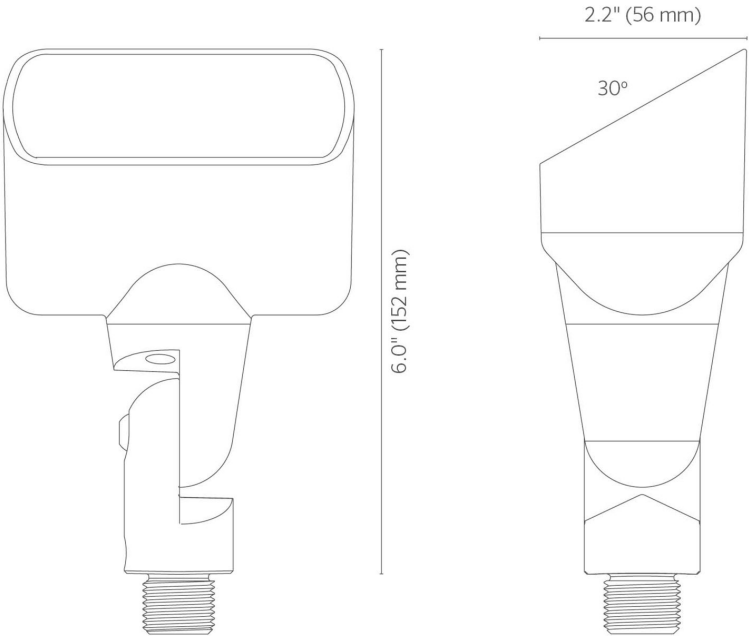|	
Luxor® Control	The ZDClink Controller utilizes Luxor Technology™ to zone luminaires in up to 250 groups, dim each group in 1% increments between 0% and 100%, or change to one of 30,000+ colors with RGBW LEDs. Select the ZD option for zoning/dimming or ZDC for zoning/dimming/color. Standard luminaire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

Physical

Construction	Die-cast C360 brass housing, shield, and knuckle/base assembly with brass hardware.
Finish	Options of natural metal finish, antiqued finish with brushed (Antique Bronze) or tumbled (Antique Tumbled) effect, or two-layer protection of sulfuric acid anodization and polyester TGIC powder-coat finish, providing superior outdoor weathering in all conditions. Tested to ASTM standards. Antique finishes sealed with a clear TGIC powder-coat layer.
Beam Angles	90° (H) x 80° (V)
Installation	Designed for installation in the upward lighting direction only.
Installation Accessories (Included)	Item ships with the ProAim™ Adustable Ratcheting Stake (PARS). Stake is 10'' long, includes tamper resistant features, and is made from ABS.
Adjustability	Compress-and-lock features prevent slip after installation. Offers 9° increments of adjustability over 220° of vertical alignment.
Wiring	18 AWG (1 mm); SPT-1W; 220°F (105°C); 300 V; 10' (3 m) length, measured from the light aperture. International ("e") length is shorter.
Socket	MicroAntileach™ Technology to prevent moisture from wicking up into sealed areas of the luminaire.
Ambient Operating Temperature	0°F to 140°F (-18°C to 60°C).
Lens	Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.
Lens Transparency	Frosted
Glare Control	30° angled shield.

Hardware	Brass and/or stainless steel hardware
Threads	½"-14 NPSM
Housing Capacity	Round 1LED, 3LED, or ZDC-M
Weight	2.4 lb (1.1 kg)

Compliance

IP Rating	IP65
Environment	Dry, Damp and Wet locations.
Wildlife-Friendly Lighting	The 3LEDT option is Wildlife Lighting Certified by the Florida Fish and Wildlife Conservation Commission.
Certifications	UL 1838, CSA C22.2 No. 250.7, IEC 60598-1, IEC 605598-2-4, FCC Part 15, Subpart B, ISED Canada ICES-005, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3.
	Default configuration UL Listed. CE certification is met when the "e" option is selected.

Overview

About Us	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.
Manufacturing	ISO 9001:2015 certified facility.
Warranty	5-year limited warranty.

Specifications

Dimensions

2.2" (56 mm)

30°

6.0" (152 mm)

Photometrics 3LED

dFresco-9 3 LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 69.4°	Horizontal 93.0°
3' (0.9 m)	15 fc (161 lx)	4.8' (1.5 m)	6.2' (1.9 m)
6' (1.8 m)	3.8 fc (40 lx)	9.6' (2.9 m)	12.4' (3.8 m)
9' (2.7 m)	1.7 fc (18 lx)	14.4' (4.4 m)	18.6' (5.7 m)
12' (3.7 m)	0.9 fc (10 lx)	19.1' (5.8 m)	24.8' (7.6 m)
15' (4.6 m)	0.6 fc (6 lx)	23.9' (7.3 m)	30.9' (9.4 m)
18' (5.5 m)	0.4 fc (5 lx)	28.7' (8.7 m)	37.1' (11.3 m)

Note: Photometric data displayed using 2,700 K CCT.

Photometrics ZD

dFresco-9 ZDT Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 29.2º	Horizontal 30.3º
4' (1.2 m)	19 fc (203 lx)	2' (0.6 m)	2.2' (0.7 m)
8' (2.4 m)	5 fc (60 lx)	4' (1.3 m)	4.3' (1.3 m)
12' (3.7 m)	2 fc (23 lx)	6' (1.9 m)	6.5' (2.0 m)
16' (4.9 m)	1.2 fc (13 lx)	8' (2.5 m)	8.7' (2.7 m)
20' (6.1 m)	0.8 fc (9 lx)	10' (3.2 m)	10.8' (3.3 m)
24' (7.3 m)	0.5 fc (5 lx)	13' (3.9 m)	13' (3.9 m)

Note: Photometric data displayed using 2,700 K CCT.

Photometrics ZDC

dFresco-9 ZDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 52.3º	Horizontal 54.1º
4' (1.2 m)	7.6 fc (82 lx)	4' (1.2 m)	4' (1.3 m)
8' (2.4 m)	1.9 fc (21 lx)	8' (2.4 m)	8' (2.5 m)
12' (3.7 m)	0.9 fc (10 lx)	12' (3.6 m)	12' (3.8 m)
16' (4.9 m)	0.5 fc (5 lx)	16' (4.8 m)	16' (5.0 m)
20' (6.1 m)	0.3 fc (3 lx)	20' (6.0 m)	20' (6.2 m)
24' (7.3 m)	0.2 fc (2 lx)	24' (7.2 m)	25' (7.5 m)

Note: Photometric data displayed using 2,700 K CCT.

Configuration

For complete and up-to-date product options, configure the dFRS9 using our online **product configurator**.

dFRS9							
Code	Material	Control	Output	Light Source	Compliance	Finish	Mounting & Installation

Material

☐ **Brass**
Die-cast C360 brass with stainless steel hardware. Available in BS, AB or AT finishes only.

☐ **Aluminum (A)**
Die-cast A380 aluminum with stainless steel hardware. Available in powder-coated finishes only.

Control

☐ **Standard (-)**
1) On/Off, 2) Phase-cut Dimming, or 3) Zone with Luxor® Technology using the ZDClink Lighting Controller.

☐ **Zone/Dim (ZD)**
Zone/Dim with Luxor® Technology using the ZDClink Lighting Controller.

☐ **Zone/Dim/Color (ZDC)**
Zone/Dim/Color with Luxor® Technology using the ZDClink Lighting Controller.

Output

☐ **2.2 W (1LED)**
104 lms

☐ **4.4 W (3LED)**
265 lm

☐ **4.4 W**
265 lm, for ZD control

☐ **4.5 W**
146 lm, Wildlife-friendly, for ZD control

☐ **7.2 W**
For ZDC control

Light Source

☐ **Static White (K27)**
2,700 K (80+ CRI)

☐ **RGBW**
For ZDC control

☐ **Wildlife-Friendly (T)**
Amber (585 to 595 nm)

Compliance

☐ **North America**
UL listed

☐ **International (E)**
Bracket mount, UL listed and CE approved. Required for shipment outside of North America

Finish

☐ **Black (BL)**
RAL9004 from RAL Classic collection

☐ **Anthracite Gray (AG)**
RAL7016 from RAL Classic collection

☐ **Basalt Gray (BT)**
RAL7012 from RAL Classic collection

☐ **Graphite Gray (GH)**
Graphite Gray powder-coat finish

☐ **Anodic Silver (SL)**
RAL9006 from RAL Classic collection

☐ **White (WT)**
RAL9016 from RAL Classic collection

☐ **Dark Bronze (DB)**
RAL8019 from RAL Classic collection

☐ **Latte (LT)**
RAL7006 from RAL Classic collection

☐ **Dark Aluminium (DA)**
RAL9007 from RAL Classic collection

☐ **Natural Brass (BS)**

☐ **Antique Bronze (AB)**
Natural brass material with brushed antique effect. Finish sealed with a clear TGIC powder-coat finish layer.

☐ **Antique Tumbled (AT)**
Natural brass material with tumbled antique effect. Finish sealed with a clear TGIC powder-coat finish layer.

☐ **Custom RAL (CC)**
A one-off custom color setup fee applies. Click on 'More Info' button to add to your enquiry. Contact Lumascape for volume discount on set-up fee.

Mounting & Installation
Included with product.

☐ **ProAim™ Ratcheting Stake**
10" (250 mm) adjustable stake for ½"-14 NPSM threads

Accessories

Mounting & Installation
Specify Separately

Super J-Box Stake (SJ)
2.0" (51 mm) metal cap with ½"-14 NPSM threads over an 11" (279 mm) ground stake.

Post Mount (PM)
Suitable for use on 1/2" NPSM ground-mount luminaires and is specified separately.

Ground Mount (GM)
The Ground Mount is a 4.4" (112 mm) aluminum cap with ½"-14 NPSM threads and wire compartment; 2.0" schedule 40 conduit.

Mini Mount (MM-050)

Versabox® (VB-050)
A 1.5" (38 mm) brass cap with ½"-14 NPSM threads.

Mini J-Box (MJ-050)
A 1.5" (38 mm) aluminum wall mount with ½"-14 NPSM threads and wire compartment.

Treebox® (TB)
A dual ½"-14 NPSM threads with wire compartment.

Gutter Mount (GM-SS)
A 4.4" (112 mm) aluminum cap with ½"-14 NPSM threads and wire compartment; 2.0" schedule 40 conduit.

Wall Plate 1-Gang (WP-1G-050)
1-gang wall plate with 1/2"-14 NPSM threads.

Wall Plate, Round (WP-RD-050)
5" (127 mm) round wall plate with 1/2"-14 NPSM threads.

Non-Penetrating Tree Ring (TR)
Adjustable, drill-free, non-penetrating tree ring, accommodates up to six luminaires.

Line Mount (LNM)
In-ground mounting accessory with cavity for mini transformers.

Riser & Couplings
Specify Separately

Straight Riser (–)
An aluminum straight riser with 0.8" (12 mm) OD and 1/2"-14 Male NPSM x2 threads.

Angled Sign-Light Riser (—)
An aluminum angled sign-light riser with 0.8" (12 mm) OD, 45° bend, and 1/2"-14 NPSM x2 threads.

Straight Coupling (COUP)
An aluminum straight coupling 1.3" (32 mm) x 2.0" (51 mm).

Coupling, 90-deg, 1/2" NPSM (ELBW-050)
An aluminum 90° coupling 1.3" (32 mm) x 2.0" (51 mm).

Coupling, T, 1/2" NPSM (TMNT-050)
An aluminum T Coupling, ½" NPSM Thread.

Copper Straight Riser (—)
1.2" (30 mm) OD and 1/2"-14 Male and Female NPSM threads

Power Supplies

Specify Separately

☐ **Multi-Tap Transformer (PROLINK)**
The industry's most reliable multi-tap transformer.

☐ **ZDClink® Lighting Controller (ZDClink)**
A combined lighting controller and transformer (120 Vac to 14 Vac) that offers powerline zoning, dimming, RGBW color changing, and optional Wi-Fi control via Luxor Technology™

☐ **Dimmable Mini Transformer (ST-120-DIM)**
60 W, 120 V to 12 Vac step-down transformer.

☐ **Non-Dimmable Mini Transformer (ST-UV)**
30 W universal voltage step-down transformer.

☐ **6 W Plug-in Transformer (MT-6W)**
Standard North American Type A, Class 2 transformer with 6 W capacity and 1' (300 mm) flying leads.

☐ **30 W Plug-in Transformer (MT-30W)**
Standard North American Type A, Class 2 transformer with 30 W capacity and 1' (300 mm) flying leads.

Supplemental Surge Protection

Specify Separately

☐ **In-Line Surge Arrestor (SURGE-MOD)**
Provides two additional layers of surge protection (up to 10KW) to any 12 Vac/dc LED luminaire.

Wire Connections

Specify Separately

☐ **Heat Shrink Wire Connectors - Medium (WCHSMD20)**
Tin-coated copper butt splices with adhesive-filled heat shrink tubes.

☐ **Heat Shrink Wire Connectors - Small (WCHSSM20)**
Tin-coated copper butt splices with adhesive-filled heat shrink tubes.

Custom Color

A one-off setup fee applies for each custom color per order. Add to your enquiry.

☐ **Custom Color Setup Fee: Essential Series (Custom RAL Color Setup)**
Custom RAL colour
setup fee