

LFX Landscape Lighting w/Adjustable Optics



LFXS



LFXL



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Adjustable size & wattages:
LFXS: 13W
LFXL: 48W
- Tunable White: 2700-5000K (3000K default)
- **Tunable RGB***
- Adjustable optics & 16+ million colors with Lightcloud Blue
- **Knuckle** arm mounting
- Available in **bronze, white** and **black** finish
- UL listed for **wet location**
- **IP65** rated
- 120-277V

16+ Million Colors with Lightcloud Blue



*Through LCB App

PERFORMANCE

LFXS	2700K	3000K	3500K	4000K	5000K
Optics	FLOOD				
Wattage	13W				
Input Watts	12.5	12.5	12.2	12.3	12.6
Lumens	775	845	948	977	909
Efficacy	62	67.7	77.7	79.2	72
CRI	84	85	85	85	84
Voltage	120-277V				

LFXS	2700K	3000K	3500K	4000K	5000K
Optics	SPOT				
Wattage	13W				
Input Watts	12.5	12.5	12.2	12.3	12.6
Lumens	772	847	954	983	908
Efficacy	61.7	67.7	78.1	79.7	71.9
CRI	85	85	85	85	84
Voltage	120-277V				

LFXL	2700K	3000K	3500K	4000K	5000K
Optics	FLOOD				
Wattage	48W				
Input Watts	47.0	47.0	46.3	46.2	47.6
Lumens	3,251	3,657	4,033	4,256	4,094
Efficacy	69.2	77.8	87.1	92.1	86
CRI	85	85	85	85	84
Voltage	120-277V				

LFXL	2700K	3000K	3500K	4000K	5000K
Optics	SPOT				
Wattage	48W				
Input Watts	47.0	46.9	46.3	46.2	47.5
Lumens	3,282	3,664	4,046	4,269	4,034
Efficacy	69.8	78.1	87.4	92.4	84.9
CRI	85	85	85	85	84
Voltage	120-277V				

PERFORMANCE

LFXS	2700K	3000K	3500K	4000K	5000K
Optics	NARROW SPOT				
Wattage	13W				
Input Watts	12.5	12.5	12.2	12.3	12.7
Lumens	786	852	955	984	927
Efficacy	62.8	68.2	78.5	79.9	73.3
CRI	85	85	85	85	84
Voltage	120-277V				

LFXL	2700K	3000K	3500K	4000K	5000K
Optics	NARROW SPOT				
Wattage	48W				
Input Watts	47.0	47.0	46.3	46.2	47.5
Lumens	3,235	3,672	4,058	4,279	4,074
Efficacy	68.8	78.1	87.6	92.6	85.8
CRI	85	85	85	85	84
Voltage	120-277V				

PERFORMANCE (RGB)

LFXS	RED	GREEN	BLUE	RGB
Optics	FLOOD			
Wattage	13W			
Input Watts	5.7	5.7	5.7	5.7
Lumens	107	253	38	140
Efficacy	18.9	44.7	6.7	24.7
Voltage	120-277V			

LFXL	RED	GREEN	BLUE	RGB
Optics	FLOOD			
Wattage	48W			
Input Watts	20.8	18.0	19.8	19.1
Lumens	548	1,139	182	896
Efficacy	26.3	63.3	9.2	46.9
Voltage	120-277V			

LFXS	RED	GREEN	BLUE	RGB
Optics	SPOT			
Wattage	13W			
Input Watts	5.7	5.7	5.7	5.7
Lumens	111	257	39	143
Efficacy	19.5	45.3	6.9	25.1
Voltage	120-277V			

LFXL	RED	GREEN	BLUE	RGB
Optics	SPOT			
Wattage	48W			
Input Watts	20.8	18.0	19.8	19.1
Lumens	557	1,139	181	897
Efficacy	26.8	63.3	9.1	47
Voltage	120-277V			

LFXS	RED	GREEN	BLUE	RGB
Optics	NARROW SPOT			
Wattage	13W			
Input Watts	5.7	5.7	5.7	5.7
Lumens	118	257	39	142
Efficacy	20.8	45.4	6.9	25
Voltage	120-277V			

LFXL	RED	GREEN	BLUE	RGB
Optics	NARROW SPOT			
Wattage	48W			
Input Watts	20.8	18.0	19.8	19.1
Lumens	538	1,143	182	899
Efficacy	25.9	63.5	9.2	47.1
Voltage	120-277V			

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations

California Energy Commission (CEC) Status

Lawful for Sales in California

Green Technology

Mercury and UV free. RoHS-compliant components.

IP Rating

Ingress protection of IP65 for dust and water

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, surface-mount LEDs

Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SLL) Products, ANSI C78.377-2017.

Color Consistency

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Temperature

Default: 3000K

Adjustable using the Lightcloud Blue mobile app

Tunable White 2700 - 5000K

16+ million RGB colors

CONSTRUCTION

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

Housing

Die-cast aluminum

Mounting

Knuckle arm

Tilt Increment

2°

Lens

Glass

Adjustable Optics

The textured adjustable ring allows beam angle to be adjusted from Flood/Spot (default)/Narrow spot

Gaskets

Silicone and nitrile rubber

Finish

Formulated for high durability and long lasting color. Available in black, bronze & white finish.

ELECTRICAL

Drivers

Constant Current, Class 2, 120-277V, 50/60 Hz

LFXS(13W): 120V: 0.11A, 208V: 0.07A, 240V: 0.06A, 277V: 0.05A

LFXL(48W): 120V: 0.40A, 208V: 0.24A, 240V: 0.20A, 277V: 0.18A

Surge Protection

LFXS: L-N 2kV; L-PE, N-PE 4kV

LFXL: L-N; L-PE, N-PE 4kV

Wattage

LFXS: 13W

LFXL: 48W

Lumens

LFXS: up to 984 lm

LFXL: up to 4,279 lm

Voltage

120-277V

Dimmable

Yes via the Lightcloud Blue mobile app and devices.

This light will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

THD: Spot Light / RGB

LFXS (13W): 6.04 at 120V: 24.4% at 277V

LFXL (48W): 4.45 at 120V: 15.4% at 277V

THD: Spot Light / 3000K

LFXS (13W): 5.27% at 120V: 11.07% at 277V

LFXL (48W): 4.73% at 120V: 4.74% at 277V

Power Factor : Spot Light / RGB

LFXS (13W): 98.2% at 120V: 77.8% at 277V

LFXL (48W): 99.3% at 120V: 87.5% at 277V

Power Factor : 33° / 3000K

LFXS (13W): 99.5% at 120V: 92.6% at 277V

LFXL (48W): 99.8% at 120V: 96.9% at 277V

WIRELESS LIGHTING CONTROL

Lightcloud Blue

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.rablighting.com/feature/new-lightcloud-blue

Gateway Required?

No

Communication Protocol

Bluetooth Mesh

Range

Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners.

Note: Obstructions such as landscaping could reduce Bluetooth connectivity.

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TECHNICAL SPECIFICATIONS

WIRELESS LIGHTING CONTROL

Spacing Criteria
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.
Note: Obstructions such as landscaping could reduce Bluetooth connectivity.

DLC NLC Listed
This system is on the Design Lights Consortium (DLC) Network Lighting Controls (NLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC system - N1XMLOEATBA (Interior);
NHCZ2BIA17L (Exterior)

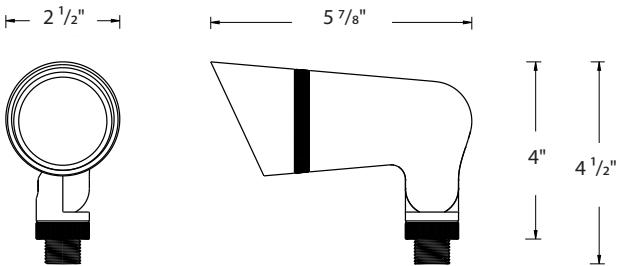
OTHER

Warranty
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

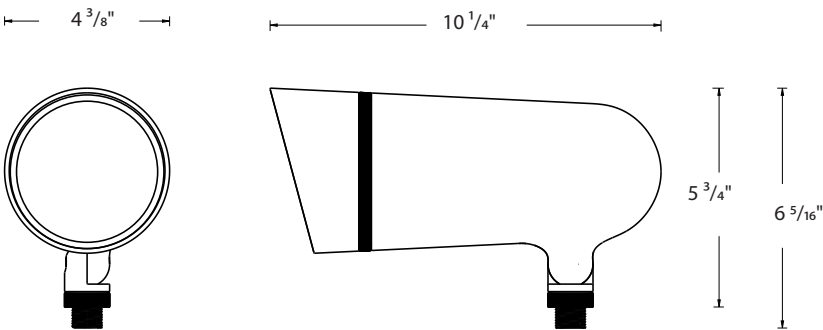
Lifespan
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

DIMENSIONS

LFXS
Weight: 1.12 lbs



LFXL
Weight: 4.48 lbs



ORDERING MATRIX

LFX							
Family	Size / Wattages	Mounting		Color Temperature		Optics	Finish
LFX	<div>S Small (13W)</div> <div>L Large (48W)</div>	BLANK	Knuckle Arm	BLANK	2700-5000K Tunable White; RGBW 16+ Million Colors	BLANK	BLANK W White B Black
						Flood/Spot/Narrow Spot Beam Angle Adjustable	Bronze White Black