

LFX Color Tunable Landscape Lighting w/adjustable optics **RAB**

LFXS



PROJECT:

DATE:

TYPE:

PREPARED BY:

LFXL



KEY FEATURES

- Adjustable size & wattages
- LFXS: 13W
- LFXL: 48W
- Tunable White: 2700/3000/3500/4000/5000K (3000K default)
- Tunable RGB (through LCB app) 16+ million colors
- Knuckle arm mounting
- Available in **bronze, white** and **black** finish
- UL listed for **wet location**
- **IP65** rated
- 120-277V
- 5-Year limited warranty

Color-Tunable Floodlight w/Adjustable Optics



0-10V



100,000 HOURS



WET RATED



IP65



CCT ADJUSTABLE



TUNABLE RGB (THROUGH LCB APP)



TUNABLE WHITE (THROUGH LCB APP)



STEPLESS DIMMING (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
Lm/W	62	67.7	77.7	79.2	72
CRI	84	85	85	85	84
Voltage Rating	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
Lm/W	69.2	77.8	87.1	92.1	86
CRI	85	85	85	85	84
Voltage Rating	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
Lm/W	61.7	67.7	78.1	79.7	71.9
CRI	85	85	85	85	84
Voltage Rating	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
Lm/W	69.8	78.1	87.4	92.4	84.9
CRI	85	85	85	85	84
Voltage Rating	120-277V				

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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
Lm/W	62.8	68.2	78.5	79.9	73.3
CRI	85	85	85	85	84
Voltage Rating	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
Lm/W	68.8	78.1	87.6	92.6	85.8
CRI	85	85	85	85	84
Voltage Rating	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
Lm/W	18.9	44.7	6.7	24.7
Voltage Rating	120-277V			

LFXL	RED	GREEN	BLUE	RGB
OPTICS	FLOOD			
Wattage	13W			
Input Watts	20.8	18.0	19.8	19.1
Lumens	548	1,139	182	896
Lm/W	26.3	63.3	9.2	46.9
Voltage Rating	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
Lm/W	19.5	45.3	6.9	25.1
Voltage Rating	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
Lm/W	26.8	63.3	9.1	47
Voltage Rating	120-277V			

LFXS	2700K	3000K	3500K	4000K
Optics	Narrow Spot			
Wattage	13W			
Input Watts	5.7	5.7	5.7	5.7
Lumens	118	257	39	142
Lm/W	20.8	45.4	6.9	25
Voltage Rating	120-277V			

LFXL	2700K	3000K	3500K	4000K
Optics	Narrow Spot			
Wattage	48W			
Input Watts	20.8	18.0	19.8	19.1
Lumens	538	1,143	182	899
Lm/W	25.9	63.5	9.2	47.1
Voltage Rating	120-277V			

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TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations

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.

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 to narrow spot

Gaskets

Silicone and nitrile rubber

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

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

IP Rating

Ingress protection of IP65 for dust and water

FACTORY DEFAULT

CCT: Adjustable(2700/3000/3500/4000/5000K) default: 4000K

Wattage: Adjustable (16/10/8/5/3W) default: 16W

Color Tunable: (R/G/B/White) default: White

Adjustable Optics: (Flood/Spot/Narrow Spot) default: Spot Light

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

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

Note: All values are typical (tolerance+/- 10%)

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

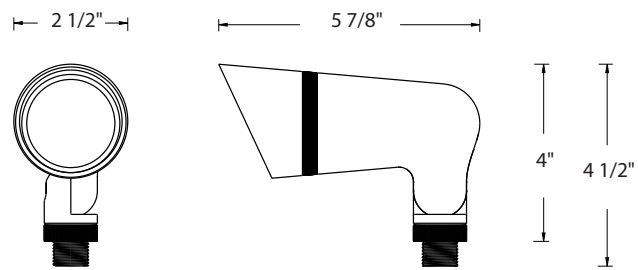
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RAB®

DIMENSIONS

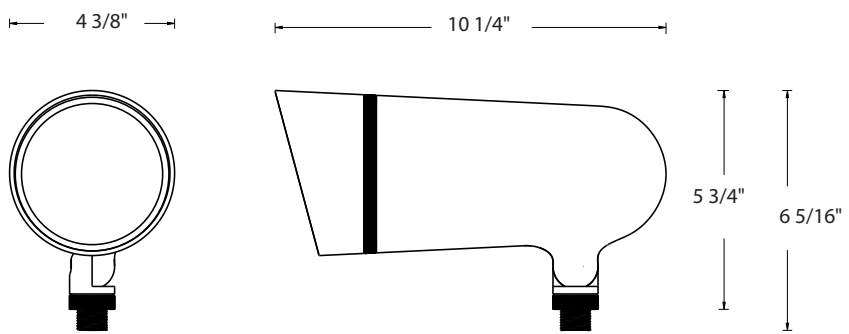
LFXS

Weight: 1.12 lbs



LFXL

Weight: 4.48 lbs



ORDERING MATRIX

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