

PLFRESNEL1 MKII LED

Date: _____

Type: _____

Firm Name: _____

Project: _____

The PLFRESNEL1 MKII LED Luminaire is a general purpose lighting fixture for theatre, small studio, and display lighting applications. It produces an adjustable cone of light with a soft edge which is easily blended with adjacent beams to provide even illumination. Using LED source technology combined with a traditional Fresnel lens, the PLFRESNEL1 MKII LED Luminaire delivers Selecon's industry benchmark quality without the compromising performance of spreader lenses. A key benefit of the PLFRESNEL1 MKII LED Luminaire is that it is not necessary to change lamps or color filters. Combining the superior control and light quality of a Selecon Fresnel with seamless fading between colors allows designers a new level of creativity. Less power consumption and no dimmer circuits makes the PLFRESNEL1 MKII LED Luminaire the obvious choice for any stage lighting need. The PLFRESNEL1 MKII also hosts smart cable management with the inclusion of PLICB (PL Interconnect Box). The PLICB allows for all of the luminaires cabling with DMX and PowerCON in and through connections.



- Delivers the performance of a 500 W fresnel fixture with a maximum power consumption of 140 W.
- Variable beam angle from 15 to 54°.
- Infinite color choice from the RGBW engine and color temperatures in white.
- Homogenized fully mixed color output light, no multiple color shadows.
- 50,000 hours of life expectancy.
- Quick selection of Warm White, Cool White, and Daylight.
- User defined on board presets states available to record your color composition.
- Color presets simplifies matching existing light sources.
- Constant color balance down to very low light levels irrespective of intensity setting.
- DMX512 Input/Output with 8 or 16-bit resolution and a simple 5-channel control.
- RDM controls and setup of fixture allows device settings to be configured remotely.
- On-board LCD menu is updated for ease of luminaire set up and addressing.
- No ultra-violet (wavelengths of less than 400 nm) – for UVA, B or C or the Infrared spectrum (wavelengths of more than 775 nm).
- Electronic universal power supply 100-240 VAC.
- PowerCON In and Through connectors (PLICB).

For detailed product information, please refer to the Product Guide at <https://www.vari-lite.com/global/products/plfresnel1-mkii>



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Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Source

LED	True RGBW LED engine, using custom designed LED array
Source Max Power Consumption	140 W
Tungsten Fade	Selectable on/off

Optical Performance

Lens Size	100 mm (3.9 in)
Beam Angle	15 - 54°
Zoom Control	Manual control
Output Lumens	> 2,000
CRI RA	4000 K - > 80

Color System

Additive Color Mixing	RGBW
Color Mixing Control	RGBW 8-bit, RGBW 16-bit, Color Preset
Color Presets	32 Calibrated Colors

Electrical

Max output Power Consumption	144 W @ 120 V, 72 W @ 240 V
Power Connection	In / Thru Power cable not included - input connector only
Input Voltage	100–240 VAC, 50 / 60 Hz
Standby Power	5 W

Data

Supported Protocols	DMX512-A (RDM)
DMX Modes	
16-Bit	15 Channels
8-Bit	9 Channels
5 Channel	5 Channels
Data Connections	5 - Pin XLR Input and Thru
Manual Mode	On Board local Control

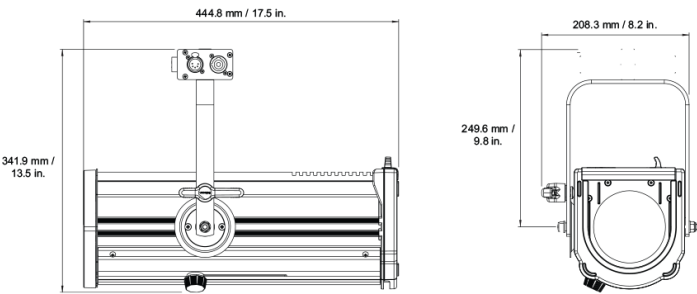
Noise Level / Fan Control

Cooling System Type	Hybrid sealed liquid and forced air system
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Mounting

Fixture mounting/Hanging orientation	Hanging - Floor - Side
Secondary Safety Wire Point	1 x Safety point located on rear of fixture housing Safety Wire not included

Dimensions



Physical

Construction	Superstructure made of Aluminum, and steel metal plates, Covers self-extinguishing fire retardant ABS PC (V0 class)	
IP Rating	IP20	
Standard Finish	Black	
Dimensions	445 x 342 x 208 mm (18.0 x 14.0 x 8.0 in)	
Fixture Weight	7.0 kg (15.0 lb)	
Operating Temperature	0-45°C (32-113°F)	

Certification and Safety

Approbations	cETLus Listed, CE and C-Tick Mark
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Luminaire and Accessories

Product type	Order Code
PLFRESNEL1 MKII LED	PLFR1MKII-03
PLFRESNEL1 MKII LED Luminaire, 15-54 Degree Fresnel, Black, with Top Box (Interconnect) Assembly, SC C-Clamp, Safety Cable, and AC Input Cable	



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