



**PLFRESNEL1 MKII LED Luminaire**

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 Philips 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 Philips 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 mounts to the luminaires yoke, between the C-Clamp and the yoke and swivels independently to allow for the luminaire to move freely through its focus range with no need for a cable service loop. The PLICB allows for all of the luminaires cabling with DMX and PowerCON in and through connections.



**PLFRESNEL1 MKII LED Luminaire**

**Features**

- Delivers the performance of a 500 watt fresnel fixture with a maximum power consumption of 140 watts
- Variable beam angle from 15 to 54 degrees
- 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 400nm) – for UVA, B or C or the Infrared spectrum (wavelengths of more than 775nm)
- Luminaire color: black
- Electronic universal power supply 100-240VAC
- PowerCON In and Through connectors (PLICB)
- cETLus listed, C-Tick, and CE marked (IP20 Rated)



**SPECIFICATION SUBMITTAL**

CONSULTANT: <input type="text"/>	PROJECT NAME: <input type="text"/>	MODEL NUMBER   QUANTITY: <input type="text"/> <input type="text"/>   <input type="text"/> <input type="text"/>   <input type="text"/> <input type="text"/>   <input type="text"/> <input type="text"/>
DATE: <input type="text"/>	PROJECT NUMBER: <input type="text"/>	APPROVED BY: <input type="text"/>



## PLFRESNEL1 MKII LED Luminaire

### Advanced Control

The PLFRESNEL1 MKII LED luminaire has an on-board LCD menu system for luminaire setup, control, and addressing. The revised menu system is extremely user-friendly, offering all the configuration options within a few button presses, speeding up setup.

### Console Control

All PLFRESNEL1 MKII luminaires now have added support for Remote Device Management (RDM) and DMX512 control. A choice of 8 or 16 bit control resolution or new, simple, 5-channel control is available. Extended color and color temperature control is provided by either the Strand Lighting NEO or Palette families of control consoles to simplify programming and luminaire color matching.

### PLFRESNEL1 MKII LED Engine

The PLFRESNEL1 MKII luminaire's powerful LED engine offers exceptional performance and life. Under normal operating conditions our LED engine has a life expectancy in excess of 50,000 hours, however under worse case operating conditions with the luminaire set to continuous full output, it is possible that a small percentage of LEDs may require replacement sooner. With the new LED engine, power consumption has been reduced by approximately 7%, while color consistency has been greatly improved, ensuring unit-to-unit matching of colors.



### PLFRESNEL1 MKII Luminaire Advanced Control

- ① LCD Menu Display
- ② Local controls offer the ability to access preset color temperatures; locally stored custom presets adjust intensity; colors and motorized focus.



For product photometric information, refer to the photometrics guide for this product on the Strand Lighting web site at [www.strandlighting.com](http://www.strandlighting.com) in the product downloads section.

Technical Specifications

Source Specification

Source: True RGBW 120W LED Engine, using custom designed LED array

Optical Specifications

Output: > 2000 lumens (Full RGBW white light)  
 CRI: >80 @ 4000K White LED only  
 Beam Angle: 15-54 Degrees (user adjustable)

Electrical Specifications

Operating Voltages: 100 to 240 Volts AC (auto-ranging)  
 Frequency: 50/60 Hz  
 Current Draw: 1.2 Amps (120V) / 0.6 Amps (240V)  
 Power Consumption:  
 - Maximum: 140W With all LEDs at full RGBW (100%)  
 - Standby Power 5W (unit powered, LEDs off)

Environmental Specifications

Ambient Temperature: 0° to 40°C (32° to 104°F)  
 IP Rating: IP20 Indoor Use Only  
 Conformity: cETLus Listed, CE and C-Tick Marked

Control Specifications

Control: On-Board Menu / DMX512 / RDM DMX512  
 DMX512 Channels: 15 Channels (16-Bit Mode)  
 9 Channels (8-Bit Mode)  
 5 Channels (5-Channel Mode)

Mechanical Specifications

Construction: Machined aluminum, sheet metal, and molded engineering grade plastic components  
 Color: Black  
 Weight: 11.4 lbs / 5.2 kg (luminaire and topbox)

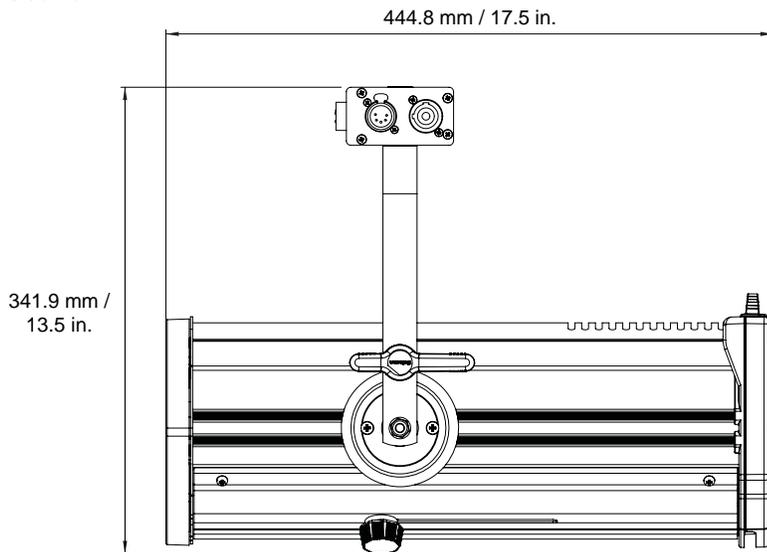
Shipping Specifications

Packed Size: 12.75" x 12.75" x 23.75" / 323.9 mm x 323.9 mm x 603.3 mm  
 Packed Weight: 15 lbs / 6.8 kg

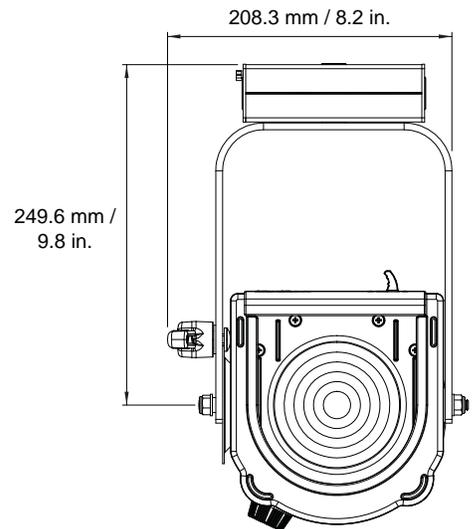


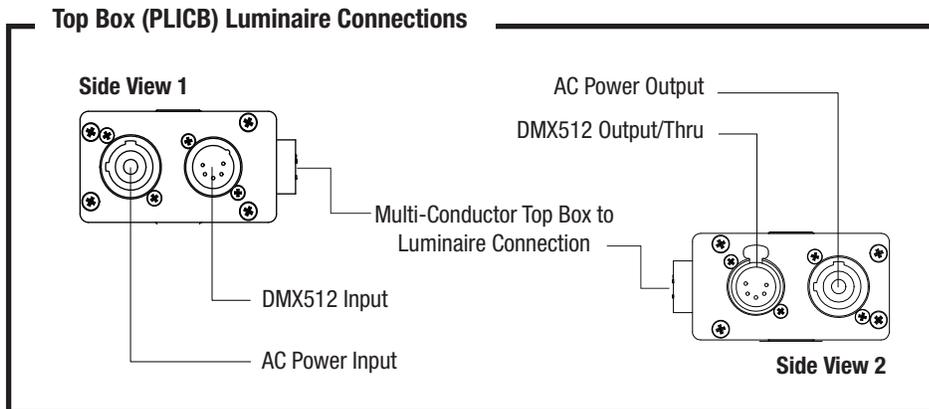
Dimensions

Side View



Front View





**Ordering Information**

**Cat No. Description**

PLFRESNEL1 MKII LED Luminaires		Accessories - AC Power Input Cables	
<b>PLFR1MKII-03 *</b>		<b>PC1BE</b>	PLFRESNEL1 MKII Luminaire AC Power Input Cable (39 inches / 1 meter), PowerCON without AC connector (bare end)
PLFRESNEL1 MKII LED Luminaire, 15-54 Degree Fresnel, Black, with Top Box (Interconnect) Assembly, SC C-Clamp, Safety Cable, and AC Input Cable		<b>PC1GP</b>	PLFRESNEL1 MKII Luminaire AC Power Input Cable (39 inches / 1 meter), PowerCON with Stagepin Connector
*This Luminaire utilizes a Neutrik PowerCON Type A blue power inlet and ships with a 39 inch PowerCON power input tail with no connector. If a factory-installed AC connector is required, for an additional charge, at time of ordering, specify AC input connector (GR - Edison / GP - Grounded Stagepin / GTL - Twistlock).		<b>PC1GTL</b>	PLFRESNEL1 MKII Luminaire AC Power Input Cable (39 inches / 1 meter), PowerCON with Twistlock Connector
		<b>PC1GR</b>	PLFRESNEL1 MKII Luminaire AC Power Input Cable (39 inches / 1 meter), PowerCON with Edison Connector
<b>Accessories - Barndoors</b>		<b>Accessories - AC Interconnect Cables</b>	
<b>20BDMF</b>	Acclaim Fresnel Barndoor, 4-Way, Black	<b>PC3PC</b>	PLFRESNEL1 MKII Luminaire PowerCON Male to PowerCON Female 2.5 Meter Cable for interconnection between units
<b>Accessories - Clamps</b>		<b>Accessories - Luminaire Software Uploader Cable</b>	
<b>SC</b>	Selecon Molded Yoke Rated C-Clamp	<b>PEGASUS</b>	USB Luminaire Software Programming Kit (for updating luminaire firmware) - includes USB Upload Cable, and Carry Bag
<b>MC</b>	Mega Claw, Black Anodized		
<b>Accessories - Top Box Assembly</b>			
<b>PLICB</b>	Spare Top Box (Interconnect) Assembly		

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