Ascent Performance Fresnel

6inch RGBACL LED Fresnel with Motorized Zoom

The Ascent Performance Fresnel is a 190-watt luminaire that utilizes high-output LED emitters, designed specifically for studio and theatre applications. It delivers luminance comparable to traditional 1KW and 2KW tungsten lamps.

This Fresnel offers a wide array of control options, including 8 Bit, 16 Bit, RGB, Studio, Gel Mode, and Single Channel Mode, providing users with versatile control capabilities. It includes factory-calibrated popular gel colors and allows for the programming and storage of custom color presets, enabling quick access to preloaded white points and frequently used entertainment colors.

Equipped with a motorized zoom, the Performance Fresnel provides a beam spread range from 15° to 75°, with built-in stops at five different set points for precise beam spread repeatability. The zoom can be adjusted either from the back panel, with a lock-out option, or directly from the console.

Product Features

- RGBACL Full Spectrum LED Engine
- 6 Inch Fresnel Lens Aperture with Smooth Wash
- Motorized Zoom System with Built-In Stops
  - Very Narrow
  - Narrow Spot
  - Medium Spot
  - Wide Flood
  - Extra Wide
- Patented Zoom Lock
- Local or Remote Control motorized zoom
- 50,000 LED hours of life expectancy
- All metal construction
- Color Temperature Range: 1800K - 10000K
- Green Magenta Adjustment
- Current: 1.58A at 120V
- 25bit Dimming
- Wattage: 190W
- IP20 Rated
- Active Cooling (19dBA- 40dBA)
- Color Calibration and Management System
- PowerCON TRUE1 TOP In / Thru Connection

Control Protocol: DMX/RDM,ArtNET , sACN
Built in Color Filters
Color Frame Slot with Locking Tab
Color frame, and safety cable included
13lbs (5.9kg). (Including safety cable and yoke)
cETLus listed and CE marked (Pending)
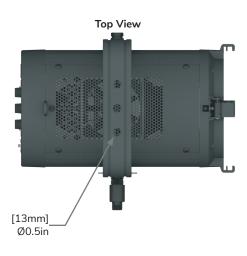**Five (5) year and one (1) day warranty**

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6inch RGBACL LED Fresnel with Motorized Zoom

Dimensions

Top View

[13mm]
Ø0.5in

Rear View

[270mm]
10.6in

APF6   RGBACL

DMX Out

DMX In

Ethernet
Input and
Thru

Neutrik PowerCon
TRUE1 TOP In and
Thru

Side View

[176mm]
6.9in

[420mm]
16.5in

[193mm]
7.6in

[335mm]
13.2in

Front View

[150mm]
Ø 6in

Bottom View

[193mm]
7.6in

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Specifications

LED Source

LED	RGBACL six colors
Max Power Consumption	190W Maximum
Rated LED Life:	Arrays are rated for >50,000 to L70

Color

Color Used	RGBACL
Color Temperature Range	1800K to 10000K
Green Magenta Adjustment	Continuously adjustable (+/Green)
Dimming Precision	25bit
TLCI	>97
Color Rendition	96-98 for blackbody lines

Optical

Zoom Range	Focusable Motorized
Aperture Size	6inch Fresnel 150mm, PCARC Lens
Beam Angle	15°-75°

Control and Programming

Input Method	DMX/RDM, ArtNET , sACN
Protocols	DMX512/RDM
Modes	• 8bit/16bit MODE • RGB Mode • HSIC Mode • Studio Mode • Studio Color Mode • GEL MODE • XY Mode • Single Channel Tungsten • Single Channel Daylight
RDM Configuration	Yes
Local Control	On board controller
Software Upgrade	Fixture status, firmware upgrade through USB
User Interface	Yes

Electrical

Voltage Range	100-240VAC, 50/60Hz
Input Connection	Neutrik TRUE1 TOP In and Thru
Wattage	190W
Current Draw	1.58A @ 120VAC; 0.82A @ 230VAC
Number of Fixtures Per Circuit	10 (20A Power Thru Connector)120V 19 (20A Power Thru Connector)230V

Thermal

Ambient Operating Temp	-20°-45° C (-4°–113° F)
Fan	Super silent fan cooling (4 modes with silent, auto, brightness, off)
dB	33dBA @1meter.

Construction

Materials	Corrosion-resistant materials and hardware
Color Options	Black / White / Custom
Mounting	Yoke with 3 x Ø 0.5in Holrd
IP Rating	IP20
Weight:	13lbs (5.9kg)

Warranty

Fixture	5 Years and 1 Day.

Compliance

Compliance Marks	cETLus listed CE marked (Pending)
Country of Origin	Assembled in the USA

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Ordering Information

Models

Model:	LED:	Body Color:
APF6 - Ascent Performance 6inch Fresnel	**RGBACL** - Coloring Changing	**B** - Black **W** - White **C** - Custom

Note: When ordering the fixture simply select an option from each column and that will produce your ordering part number .

Color: Fixture ship standard as Black. If White or Custom are required that could result in a longer lead time.

Included Items

Model:	Description:
APF6-RGBACL-* - Ascent Performance 6inch Fresnel	Color Frame (**6-CF**), 36-inch Black Safety Cable (**SC-36-BK**), 5-foot 20A PowerKon Seetronic with Edison Connector (**SPK-PBG-12-5**)

Note: If a different power cable is needed, please select and specify it from the Power Input Cable List below when placing your order.

Accessories

Model:	Description:
510	Malleable Iron Clamp
515	Extruded Aluminum C-Clamp
6-SN	Snoot 7.5"x7.5"
6-BD-4-*	6" 4 Leaf Barn door
SC-36-BK	36-Inch Black Safety Cable with Spring Clip
SS-SC-40-BK	40-Inch Stainless Steel Safety Cable with Spring Clip
61-DMXCAT	DMXCAT DMX / RDM Setup Tool
DMX-5-TERM	XLR DMX Terminator
APF-PT	Pan / Tilt Kit (TBD)

Power Input Cables

Model:	Connector Type:	Wire Size:	Length:
SPK - Seetronic PowerKon	**BARE** - Bare End Cable **2P&G** - Stage Pin Male **PBG** - Edison Male **TLG** - L5-20 Twist Lock Male **GTL** - L5-15 Twist Lock Male	**12** - 12 Gauge	**5** - 5ft **10** - 10ft **25** - 25ft

Note: When ordering the PowerKON Cable simply select an option from each column and that will produce your ordering part number.

Power Jumper Cables

Model:	Wire Size:	Length:
SPKJ - Seetronic PowerKon Feed Thru Jumper Cable	**12** -12 Gauge	**5** - 5ft **10** - 10ft **20** - 20ft **25** - 25ft

Note: When ordering the PowerKON Feed Thru Jumper Cable simply select an option from each column and that will produce your ordering part number.

DMX Cables

Model:	Number of Pins:	Length:
XLR - DMX Cable	**5** - 5 pin DMX	**5** - 5ft **10** - 10ft **15** - 15ft **25** - 25ft **50** - 50ft **100** - 100ft

Note: When ordering the XLR DMX Cable simply select an option from each column and that will produce your ordering part number.