

PHX3.5 Zoom Profile



PHX 340W RGLB LED Zoom Profile

The 15°-35° and 30°-55° PHX LED Zoom Spot are state of the art luminaires in function, style, and efficiency. These zoom spot profiles have been designed and engineered with a number of innovative details and features enhancing versatility and efficiency without sacrificing performance.

PHX 3.5 is a 340 Watt (RGLB) Red, Green, Blue, and Lime Zoom Spot outputting just over 10,000 Lumens which makes it a true front of house luminaire. A locking 360° rotating barrel help you keep the artistic part of your fixtures' focus intact with virtually no light leak.

The PHX3.5 features an RGLB array that won't force users to choose between deep saturates and gorgeous pastels; you'll be able to achieve brilliant whites ranging from 2700K all the way up to 10,000K along with deep golds, burning reds and springtime lavenders.

These new and innovative options are what makes the PHX LED Zoom Spot ideal for theaters, special events, television studios, or wherever superior, energy efficient lighting performance is required.



Product Features

- Red, Green, Blue, Lime LED Engine
- 360-degree rotating barrel
- Locking Shutters
- Positive locking double-clutch fixture body
- Heat resistant Plano-Convex lensing
- Die-cast aluminum and sheet metal fabrication
- Wide accessory slot with sliding cover for motorized pattern devices or optional iris
- Fully enclosed Boxed Front end Gel/Accessory holder.
- Color frame, C-Clamp, soft focus pattern holder, safety cable and 5 foot PowerCON included
- PowerCON in and out for daisy-chaining units
- 100 to 240 VAC 50/60 Hz operation
- Available standard in Black or White
- Yoke made from rigid flat steel with dual locking handles, two mounting positions and indexed tilt angle markings
- DMX512 in/thru via 5-pin XLR connector
- Compatible with DMX 512 and RDM protocols
- Multiple on-board control options: color fades and strobes
- User friendly control interface
- Console free stand alone Player Mode
- Multiple Dimming Curves
- Dimming - Smoothing Mode
- 8-bit or 16-bit virtual dimming engine provides smooth, high quality fades and minimizes color shift during dimming
- Four different control settings of:
 - 16-Bit Mode, Master Channel On (10 DMX Channels)
 - 16-Bit Mode, Master Channel Off (8 DMX Channels)
 - 8-bit Mode, Master Channel On (5 DMX Channels)
 - 8-bit Mode, Master Channel Off (4 DMX Channels)
- 25.5 lbs. (11.56 kg.)
- cETLus, CE and PSE (IP20 Rated for indoor use)
- Assembled in the USA
- Five (5) year and one (1) day warranty
- No cost technical support for the life of your product

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Photometric

15°-35° Degree Lens - Narrow

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	Narrow		238123		12800		
Throw Distance	10ft (3.0m)	15ft (4.6m)	20ft (6.1m)	25ft (7.6m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Beam Diameter	2.7ft (0.82m)	4.0ft (1.2m)	5.4ft (1.6m)	6.7ft (2.0m)	8.1ft (2.4m)	10.8ft (3.3m)	13.5ft (4.1m)
Illuminance (fc) at Full On	2916	1296	729	467	324	182	117
Illuminance (lux) at Full On	31387	13950	7847	5022	3487	1962	1255

Note: To determine the center beam illumination in Foot candelas at any distance, divide Candela by the distance squared.

Note: To Calculate the Beam Diameter in feet with a 15-35 Degree Lens and set to Narrow Setting, Multiply any distance by 0.268.

15°-35° Degree Lens - Medium

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	Medium		85942		11179		
Throw Distance	10ft (3.0m)	15ft (4.6m)	20ft (6.1m)	25ft (7.6m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Beam Diameter	4.5ft (1.3m)	6.7ft (2.0m)	9ft (2.7m)	11.2ft (3.4m)	13.5ft (4.1m)	18ft (5.4m)	22.5ft (6.8m)
Illuminance (fc) at Full On	1388	617	347	222	154	87	56
Illuminance (lux) at Full On	14940	6640	3735	2390	1660	934	598

Note: To determine the center beam illumination in Foot candelas at any distance, divide Candela by the distance squared.

Note: To Calculate the Beam Diameter in feet with a 15-35 Degree Lens and set to Medium Setting, Multiply any distance by 0.448.

15°-35° Degree Lens - Wide

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	Wide		39366		11448		
Throw Distance	10ft (3.0m)	15ft (4.6m)	20ft (6.1m)	25ft (7.6m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Beam Diameter	6.3ft (1.9m)	9.4ft (2.8m)	12.6ft (3.8m)	15.7ft (4.7m)	18.9ft (5.7m)	25.2ft (7.6m)	31.5ft (9.6m)
Illuminance (fc) at Full On	960	427	240	154	107	60	38
Illuminance (lux) at Full On	10332	4592	2583	1653	1148	646	413

Note: To determine the center beam illumination in Foot candelas at any distance, divide Candela by the distance squared.

Note: To Calculate the Beam Diameter in feet with a 15-35 Degree Lens and set to Wide Setting, Multiply any distance by 0.628.

30°-55° Degree Lens - Narrow

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	Narrow		47981		10272		
Throw Distance	10ft (3.0m)	15ft (4.6m)	20ft (6.1m)	25ft (7.6m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Beam Diameter	5.4ft (m)	8.1ft (m)	10.8ft (m)	13.5ft (m)	16.2ft (m)	21.6ft (m)	27ft (m)
Illuminance (fc) at Full On	850	378	213	136	94	53	34
Illuminance (lux) at Full On	9149	4066	2287	1464	1017	572	366

Note: To determine the center beam illumination in Foot candelas at any distance, divide Candela by the distance squared.

Note: To Calculate the Beam Diameter in feet with a 30-55 Degree Lens and set to Narrow Setting, Multiply any distance by 0.54.

30°-55° Degree Lens - Medium

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	Medium		25901		11065		
Throw Distance	10ft (3.0m)	15ft (4.6m)	20ft (6.1m)	25ft (7.6m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Beam Diameter	7.6ft (m)	11.5ft (m)	15.3ft (m)	19.1ft (m)	22.9ft (m)	30.6ft (m)	38.2ft (m)
Illuminance (fc) at Full On	540	240	135	86	60	34	22
Illuminance (lux) at Full On	5813	2583	1453	930	646	363	233

Note: To determine the center beam illumination in Foot candelas at any distance, divide Candela by the distance squared.

Note: To Calculate the Beam Diameter in feet with a 30-55 Degree Lens and set to Medium Setting, Multiply any distance by 0.765.

30°-55° Degree Lens - Wide

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	Wide		15515		11015		
Throw Distance	10ft (3.0m)	15ft (4.6m)	20ft (6.1m)	25ft (7.6m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Beam Diameter	9.9ft (m)	14.8ft (m)	19.8ft (m)	24.7ft (m)	29.7ft (m)	39.6ft (m)	49.5ft (m)
Illuminance (fc) at Full On	352	156	88	56	39	22	14
Illuminance (lux) at Full On	3785	1682	946	606	421	237	151

Note: To determine the center beam illumination in Foot candelas at any distance, divide Candela by the distance squared.

Note: To Calculate the Beam Diameter in feet with a 30-55 Degree Lens and set to Wide Setting, Multiply any distance by 0.988.

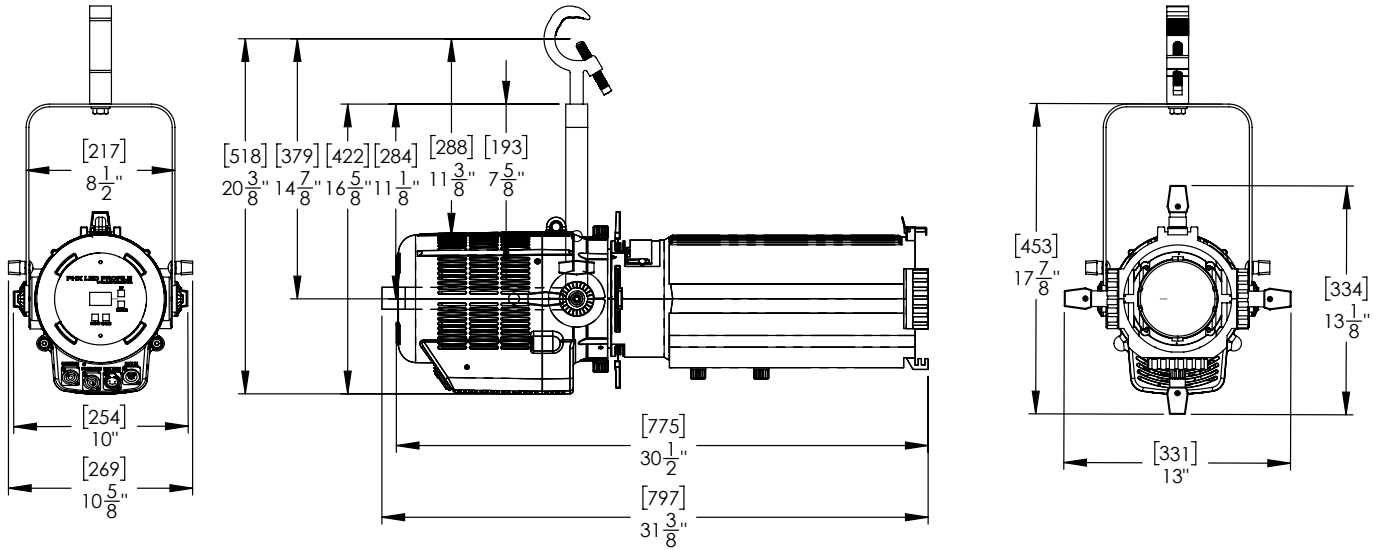
PHX3.5 Zoom Profile



PHX 340W RGLB LED Zoom Profile

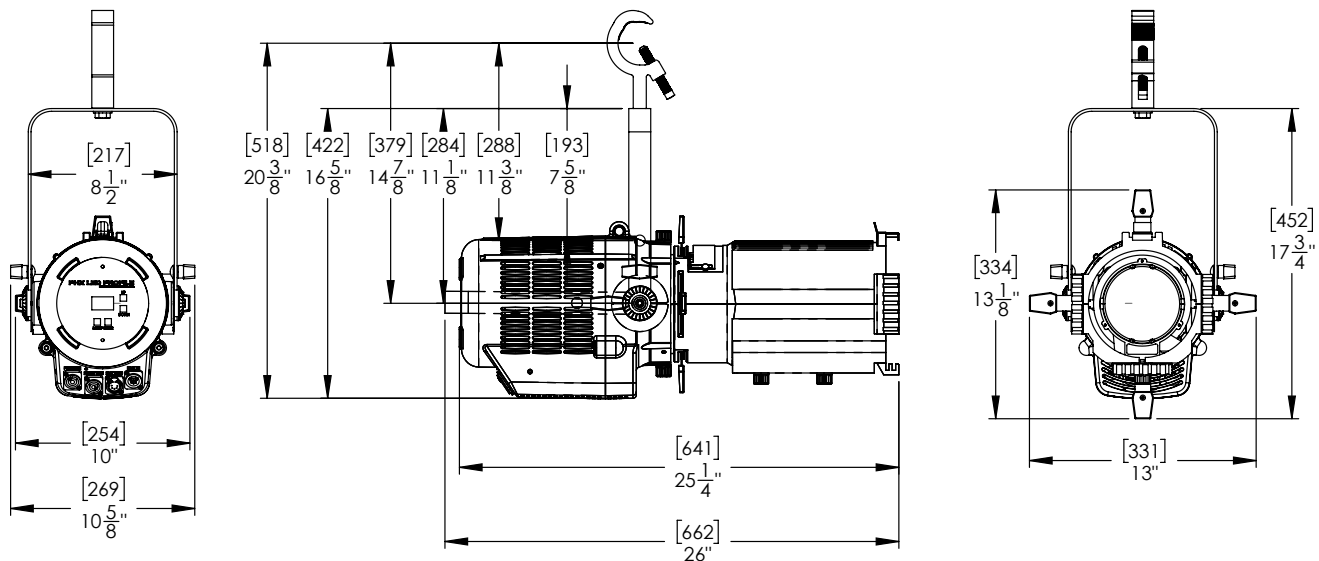
PHX3.5 Zoom Profile with 15°-35° Degree Lens - Dimensions

Weight	Height	Length	Width
26.55 lbs. (12.34 kgs.)*	20.375" * (518mm)	31.375" * (797mm)	13" * (331mm)



PHX3.5 Zoom Profile with 30°-55° Degree Lens - Dimensions

Weight	Height	Length	Width
26.55 lbs. (12.34 kgs.)*	20.375" * (518mm)	26" * (662mm)	13" * (331mm)



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Specifications

LED Source

LED Engine	RGLB Engine
Max Power Consumption	340 Watts
Rated LED Life:	Arrays are rated for >50,000 to L70

Optical

Zoom Settings	15-35 - 15°-35° 30-55 - 30°-55°
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Control and Programming

Input Connections	DMX512 via 5-pin XLR connector
Protocols	DMX512 / RDM
Modes	8bit (4 DMX Channels) 8bit + Master Channel (5 DMX) 16bit (8 DMX Channels) 16bit + Master Channel (10 DMX)
RDM Configuration	Yes
User Interface	On Board LCD for User Interface with options to change settings

DMX Values for White Setting

	RED	GREEN	BLUE	LIME	WATTS
3200K	100%	73%	63%	100%	193W
4200K	100%	88%	72%	100%	230W
5600K	100%	96%	84%	100%	267W

Electrical

Voltage Range:	100-240 VAC, 50/60 Hz
Input Connection:	Neutrik PowerCon Input and Through Connector
Quiescent Load:	0.087 AMP (10.54 W) @ 120 VAC* 0.045 AMP (10.54 W) @ 240 VAC*
Current Draw:	2.83A at 120VAC / 1.41A at 230VAC
Power Factor:	≥ 0.95
Max Daisy Chain:	Up to 5 Units at 120VAC* Up to 10 units at 230 VAC* * Recommended Power linking of units via Powercon connection.

Thermal

Ambient Operating Temp	0 - 50°C (32 - 122°F) with humidity of 5-95% non-condensing)
Fan	Control Fan: Low, On, Auto
BTUs/Hour	1160.08 BTU per hour(*At Full Intensity)

Construction

Materials	Corrosion-resistant materials and hardware
Color Options	Black, White or Custom
Mounting	Yoke
IP Rating	IP20
Weight	26.55lbs (12.34kg)

Warranty

Fixture	5 Years and 1 Day.
Support	Forever the life of the Product

Compliance

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

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PHX 340W RGBL LED Zoom Profile

Ordering Information Models

Model:	LED Array:	Lens *	Body Color: **
PHX3.5	RGBL - Color Mixing	15Z - 15°-35° Lens 30Z - 30°-55° Lens	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.

Example - For the PHX3.5 Unit with an RGBL LED Array with a 15°-35° Zoom Lens in Black, the part number would be PHX3.5-RGBL-15Z-B

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

Custom Color: Consult factory for custom colors

Included Items

PHX3.5-RGBL-15Z-**	Color Frame 7-1/2"x7-1/2" (6-CFB), 36" Safety Chain (SC-36-BK), 5' 20A PowerCON to Edison (PCL-PBG-12-5), PHX Zoom Soft Focus Lens (PHXZ-SFLGSB)
PHX3.5-RGBL-30Z-**	Color Frame 7-1/2"x7-1/2" (6-CFB), 36" Safety Chain (SC-36-BK), 5' 20A PowerCON to Edison (PCL-PBG-12-5), PHX Zoom Soft Focus Lens (PHXZ-SFLGSB)

Accessories

Model:	Description:
510	Malleable Iron Clamp
515	Extruded Aluminum C-Clamp
510-HD	Heavy Duty Malleable Iron Pipe Clamp
SC-36-BK	36-Inch Black Safety Cable with Spring Clip
4.5-DN	6-1/4" x 6-1/4" Donut, Black with 2-1/2" Hole
10-DN	12" x 12" Donut, Black for 10° lens
12-SN	14" x 14" Donut, Black for 5° lens
PDII	Phoenix Drop In Iris

Note: There are many aftermarket accessories for Altman Lighting products available through third-party suppliers. When considering these aftermarket accessories, we suggest that you consult with your Altman Regional Sales Manager beforehand regarding capability and effects on product performance.

Pattern Holders

Model:	Description:
PHXZ-SFLGSB	PHX Zoom Soft Focus lens with B Size Pattern Holder
PHXZ-PHGSB	B Size Steel Pattern Holder (86mm OD / 64.5mm IA)
PHXZ-PHGSB-3T	B Size Steel Pattern Holder (86mm OD / 64.5mm IA) 3 Tab Style
PHX-PHISB	B Size Steel Pattern Holder (86mm OD / 64.5mm IA) for Iris Slot
PHX-PHISA-GLS	A Size Glass Pattern Holder (100mm OD / 75mm IA) for Iris Slot
PHX-PHISB-GLS	B Size Glass Pattern Holder (82mm OD / 64.5mm IA) for Iris Slot
PHX-PHIS86-GLS	B Size Glass Pattern Holder (86mm OD / 64.5mm IA) for Iris Slot

Power Input Cables

Model:	Connector Type:	Wire Size:	Length:
PCL - PowerCON Blue	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	5 - 5ft 10 - 10ft 25 - 25ft

Note: When ordering the PowerCON 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.