

# PHX3.5 Fixed Profile



## PHX 340W RGBL LED Profile

The 5°, 10°, 19°, 26°, 36° and 50° fixed focus PHX 3.5 LED profiles are state of the art luminaires in function, style, and efficiency. These 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 (RGBL) Red, Green, Blue, and Lime Profile Spot outputting over 10,000 Lumens which makes it a true front of house luminaire. A 360° rotating barrel and fully locking shutters help you keep the artistic part of your fixtures' focus intact with virtually no light leak.

The PHX3.5 features an RGBL 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.

Fully locking shutters and a 360° rotating barrel help keep the artistic part of your fixtures focus intact and easy to attain with virtually no light leak. The aesthetic appearance and ergonomically designed function controls only add to the appeal.



## 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 5 Degree Lens

Output Setting	Beam Angle		Candela		Beam Lumens	
Full On	5°		1787523		10689	
Throw Distance	20ft (6.1m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)	60ft (18.2m)	70ft (21.3m)
Beam Diameter	1.8ft (0.5m)	2.7ft (0.8m)	3.6ft (1.0m)	4.5ft (1.3m)	5.4ft (1.6m)	6.3ft (1.9m)
Illuminance (fc) at Full On	3481	1547	870	557	387	284
Illuminance (lux) at Full On	37472	16654	9368	5996	4164	3059

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

Note: To Calculate the Beam Diameter in feet with a 5 Degree Lens, Multiply any distance by 0.09.

## 10 Degree Lens

Output Setting	Beam Angle		Candela		Beam Lumens	
Full On	10°		397948		9514	
Throw Distance	20ft (6.1m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)	60ft (18.2m)	70ft (21.3m)
Beam Diameter	3.5ft (1.0m)	5.4ft (1.6m)	7.2ft (2.1m)	9ft (2.7m)	10.8ft (3.2m)	12.6ft (3.8m)
Illuminance (fc) at Full On	1682	747	420	269	187	137
Illuminance (lux) at Full On	18102	8045	4526	2896	2011	1478

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

Note: To Calculate the Beam Diameter in feet with a 10 Degree Lens, Multiply any distance by 0.18.

## 19 Degree Lens

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	19°		134405		11581		
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	3.4ft (1.0m)	5.1ft (1.5m)	6.8ft (2.0m)	8.5ft (2.6m)	10.2ft (3.1m)	13.6ft (4.1m)	17ft (5.1m)
Illuminance (fc) at Full On	1415	629	354	226	157	88	57
Illuminance (lux) at Full On	15231	6769	3808	2437	1692	952	609

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

Note: To Calculate the Beam Diameter in feet with the 19 Degree Lens, Multiply any distance by 0.34.

## 26 Degree Lens

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	26°		68896		11095		
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	4.6ft (1.4m)	7.0ft (2.1m)	9.3ft (2.8m)	11.7ft (3.5m)	14ft (4.2m)	18.7ft (5.6m)	23.4ft (7.1m)
Illuminance (fc) at Full On	740	329	185	118	82	46	30
Illuminance (lux) at Full On	7965	3540	1991	1274	885	498	319

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

Note: To Calculate the Beam Diameter in feet with the 26 Degree Lens, Multiply any distance by 0.465

## 36 Degree Lens

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	36°		37559		1155		
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	6.4ft (1.9m)	9.7ft (2.9m)	12.9ft (3.9m)	16.2ft (4.9m)	19.4ft (5.9m)	25.9ft (7.9m)	32.4ft (9.8m)
Illuminance (fc) at Full On	445	198	111	71	49	28	18
Illuminance (lux) at Full On	4790	2129	1197	766	532	299	192

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

Note: To Calculate the Beam Diameter in feet with the 36 Degree Lens, Multiply any distance by 0.645.

## 50 Degree Lens

Output Setting	Beam Angle		Candela		Beam Lumens		
Full On	50°		16068		9459		
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	9ft (2.7m)	13.5ft (4.1m)	18ft (5.4m)	22.5ft (6.8m)	27ft (8.2m)	36ft (10.9m)	45ft (13.7m)
Illuminance (fc) at Full On	236	105	59	38	26	15	9
Illuminance (lux) at Full On	2540	1129	635	406	282	159	102

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

Note: To Calculate the Beam Diameter in feet with the 50 Degree Lens, Multiply any distance by 0.9.

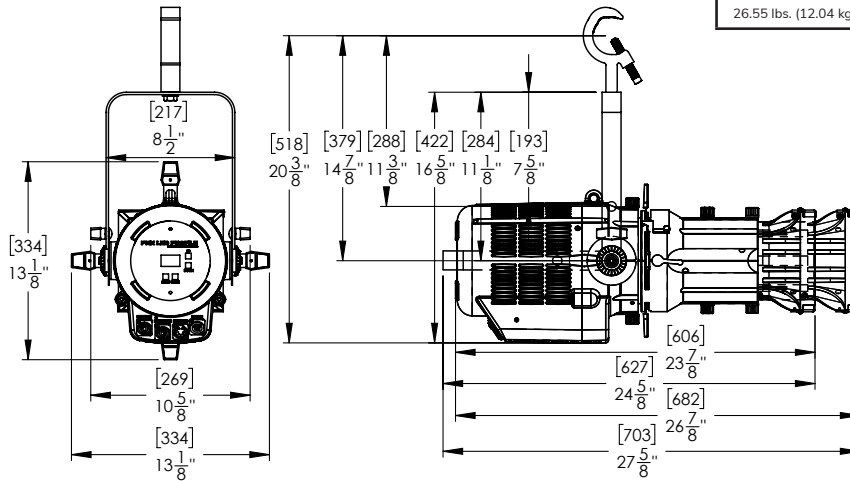


# PHX3.5 Fixed Profile



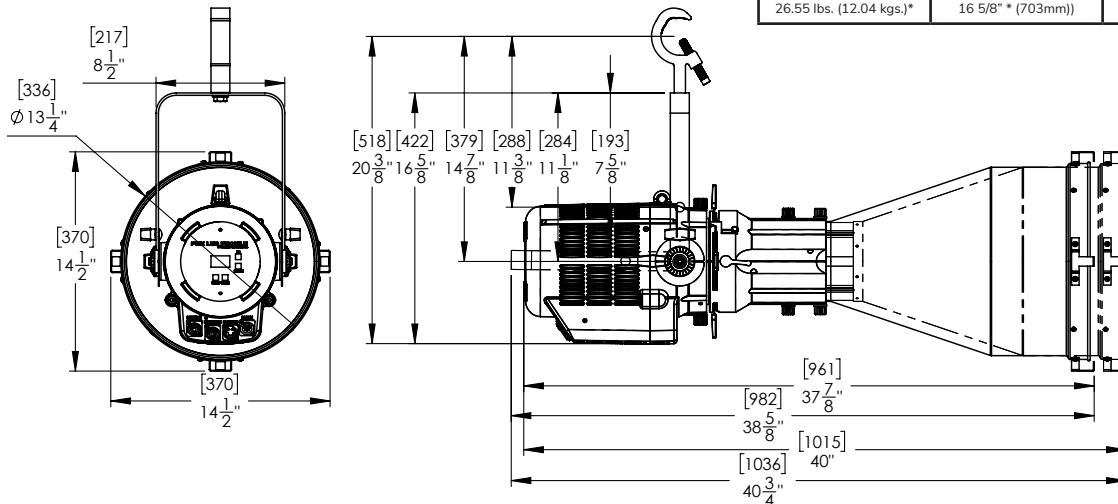
PHX 340W RGBL LED Profile

## PHX3.5 Fixed Profile - Dimensions



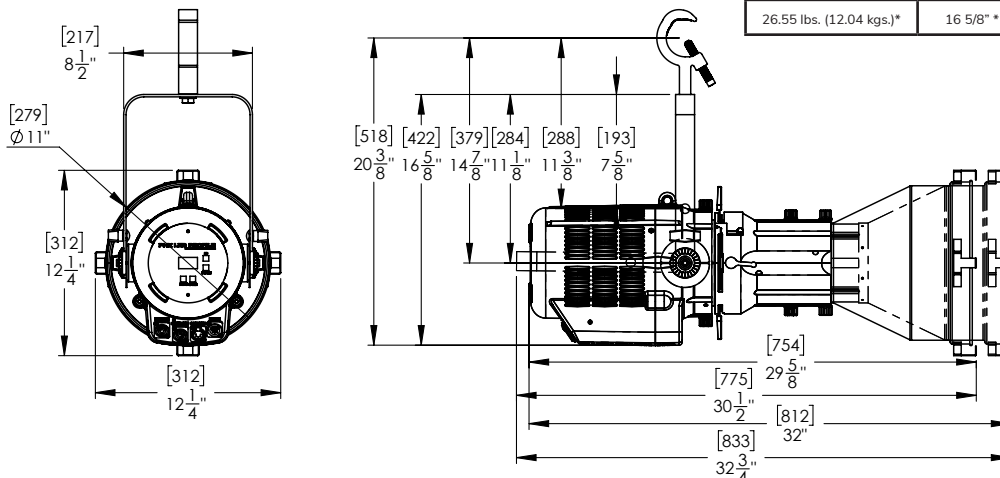
Weight	Height	Width
26.55 lbs. (12.04 kgs.)*	16 5/8" * (703mm)	27 5/8" * (422mm)

## PHX3.5 Fixed 5 Degree Profile - Dimensions



Weight	Height	Width
26.55 lbs. (12.04 kgs.)*	16 5/8" * (703mm)	40 3/4" * (1036mm)

## PHX3.5 Fixed 10 Degree Profile - Dimensions



Weight	Height	Width
26.55 lbs. (12.04 kgs.)*	16 5/8" * (703mm)	32 3/4" * (833mm)

# PHX3.5 Fixed Profile

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## Specifications

### LED Source

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

### Optical

Lens Options	5°, 10°, 19°, 26°, 36°, 50°
Aperture Size	5° - 13 1/4" 10° - 11" 19°, 26°, 36°, 50° - 4.73"

### 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	15.20lbs (6.89kg)
Size	13.25in (335.5mm), 8.12in (207mm)

### 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 Profile

### Ordering Information Models

Model:	LED Array:	Lens *	Body Color: **
PHX3.5	RGBL - Color Mixing	5 - 5° Lens 10 - 10° Lens 19 - 19° Lens 26 - 26° Lens 36 - 36° Lens 50 - 50° 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 26° Lens in Black, the part number would be PHX3.5-RGBL-26-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-5-**	Color Frame 14" X 14" (12-CFB), 36" Safety Chain (SC-36-BK), 5' 20A PowerCON to Edison (PCL-PBG-12-5), PHX Soft Focus Lens (PHX-SFLGSA)
PHX3.5-RGBL-10-**	Color Frame 12" X 12" (10-CFB), 36" Safety Chain (SC-36-BK), 5' 20A PowerCON to Edison (PCL-PBG-12-5), PHX Soft Focus Lens (PHX-SFLGSA)
PHX3.5-RGBL-*-**	Color Frame 6-1/4"x6-1/4" (4.5-CFB), 36" Safety Chain (SC-36-BK), 5' 20A PowerCON to Edison (PCL-PBG-12-5), PHX Soft Focus Lens (PHX-SFLGSA)

### Accessories

Model:	Description:
510	Malleable Iron Clamp
515	Extruded Aluminum C-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:
PHX-SFLGSA	PHX Soft Focus lens with A Size Pattern Holder
PHX-PHGSA	A Size Steel Pattern Holder (100mm OD / 75mm IA)
PHX-PHGSA	B Size Steel Pattern Holder (86mm OD / 64.5mm IA)
PHX-PHGSA-BGLS	B Size Glass Pattern Holder (82mm OD / 64.5mm IA)
PHX-PHGSA86-BGLS	B Size Glass Pattern Holder (86mm OD / 64.5mm IA)
PHX-PHISB	B Size Steel Pattern Holder (86mm OD / 64.5mm IA) for Iris Slot
PHX-PHISA-BGLS	A Size Glass Pattern Holder (100mm OD / 75mm IA) for Iris Slot
PHX-PHISB-BGLS	B Size Glass Pattern Holder (82mm OD / 64.5mm IA) for Iris Slot
PHX-PHIS86-BGLS	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.

