

## AP150 135W RGBW LED PAR

The AP-150-RGBW is a compact, lightweight 135 Watt RGBW LED par wash light that is packed with a high feature set at an affordable price. This compact luminaire weighs in at just 11 pounds / 5.08 kg. and is a purpose built par wash. The AP-150-RGBW follows the traditions of Altman Lighting while introducing a number of new key features to this performance luminaire.

The AP-150-RGBW's compact, cast aluminum design allows for discrete luminaire placement while offering very high output of deep rich saturated colors as well as soft and delicate pastels. The AP-150-RGBW replicates the soft output of a par wash light while maintaining a uniform beam output throughout the entire zoom range.

The AP-150-RGBW offers a number of different control states from 8 Bit, 16 Bit, RGB, and HSIC, modes allowing for a number of control choices. Factory and custom color presets round out the AP-150-RGBW's feature set allowing for a quick selection of factory preloaded White set points and the most widely used entertainment color choices. The AP-150-RGBW also adds the ability to record color presets from the DMX controller directly to the luminaire for custom color playback.

In conjunction to the color output the AP-150-RGBW offers a number of different strobe options from pulse and fade to a 30 Hz strobe rate. Featuring a motorized zoom producing a beam spread between 12° and 65° with built-in stops at five different set points ensuring precise beam spread repeatability. The zoom can be set from either the back panel and locked out, or directly from the console. The AP-150-RGBW's feature set also includes a number of new features such as "Tech Identify" allowing a technician to locate a luminaire without disrupting a focus call by flashing its LEDs.



*AP150 RGBW Zoom Par*

### **Product Features:**

- >1660 max lumens
- RGBW LED color configuration
- Lightweight, 11.2 lbs. (5.08 kg)
- 8-inch color frame slot with locking tab
- Motorized zoom system 12° to 65° with built-in stops for:
  - Very Narrow Spot (VNSP)
  - Narrow Spot (NSP)
  - Medium Flood (MFL)
  - Wide Flood (WFL)
  - Extra Wide Flood (XWFL)
- 100 to 240 VAC 50/60 Hz operation with PowerCON
- input and through configuration
- Up to 30 Hz Strobe rate
- DMX 5-pin in and through
- Compatible with DMX 512 and RDM protocols
- On-board, simple-to-use user interface - with keypad lock-out security features
- Four different control settings of:
  - 16 Bit
  - 8 Bit
  - RGB
  - HSIC
- Progressive output management allowing for active cooling settings from the luminaire or DMX control
- Built-in floor stand
- Color calibration system
- Multiple dimming profiles
- Tech Identify feature to easily identify fixture location
- On-board status indicator lights
- On-board factory set and customer defined color presets
- Preset white select set point settings
- Available in black
- cETLus listed CE marked for indoor use
- Five (5) year and one (1) day warranty
- No cost technical support for the life of your product

## AP-150-RGBW Photometrics

**12 Degrees**  
**(Zoom at DMX 0)**

Candela	Lumens
86274.898	1620

Throw Distance	10'-0" (3.04 m)	15'-0" (4.57 m)	20'-0" (6.09 m)	25'-0" (7.62 m)	30'-0" (9.14 m)	40'-0" (12.19 m)	50'-0" (15.24 m)
Field Diameter (feet)	2.1	3.15	4.2	5.26	6.31	8.41	10.51
Field Diameter (meters)	0.64	0.96	1.28	1.60	1.92	2.56	3.20
Illuminance (fc)	862.75	383.44	215.69	138.04	95.86	53.92	34.51
Illuminance (lux)	9286.55	4127.31	2321.67	1485.85	1031.83	580.39	371.46

**26 Degrees**  
**(Zoom at DMX 63)**

Candela	Lumens
25918.699	1634

Throw Distance	10'-0" (3.04 m)	15'-0" (4.57 m)	20'-0" (6.09 m)	25'-0" (7.62 m)	30'-0" (9.14 m)	40'-0" (12.19 m)	50'-0" (15.24 m)
Field Diameter (feet)	4.62	6.93	9.23	11.54	13.85	18.47	23.09
Field Diameter (meters)	1.41	2.11	2.81	3.52	4.22	5.63	7.04
Illuminance (fc)	259.19	115.19	64.8	41.47	28.8	16.2	10.37
Illuminance (lux)	2789.90	1239.89	697.50	446.38	310.00	174.38	111.62

**38 Degrees**  
**(Zoom at DMX 127)**

Candela	Lumens
9651.2	1664

Throw Distance	10'-0" (3.04 m)	15'-0" (4.57 m)	20'-0" (6.09 m)	25'-0" (7.62 m)	30'-0" (9.14 m)	40'-0" (12.19 m)	50'-0" (15.24 m)
Field Diameter (feet)	6.89	10.33	13.77	17.22	20.66	27.55	34.43
Field Diameter (meters)	2.10	3.15	4.20	5.25	6.30	8.40	10.49
Illuminance (fc)	96.38	42.83	24.09	15.42	10.71	6.02	3.86
Illuminance (lux)	1037.42	461.02	259.30	165.98	115.28	64.80	41.55

**50 Degrees**  
**(Zoom at DMX 191)**

Candela	Lumens
4878.7	1652

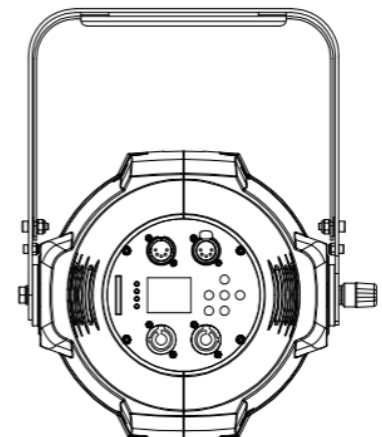
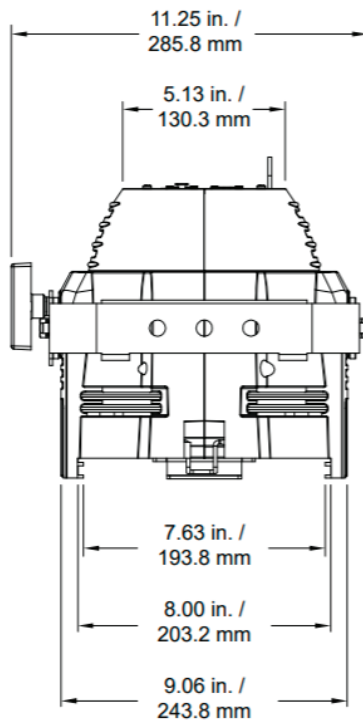
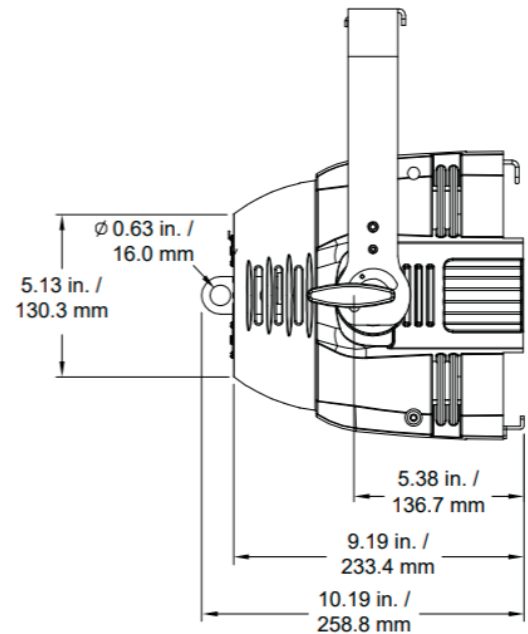
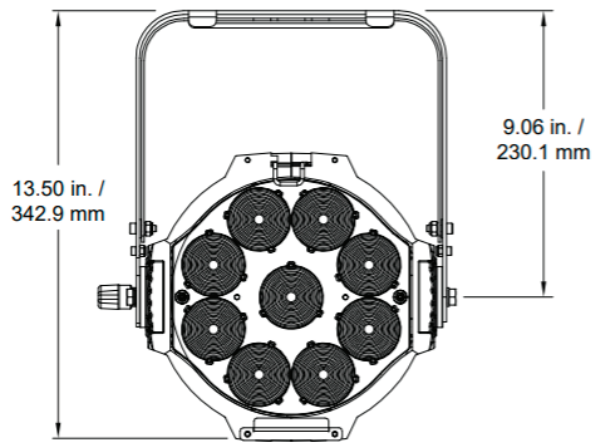
Throw Distance	10'-0" (3.04 m)	15'-0" (4.57 m)	20'-0" (6.09 m)	25'-0" (7.62 m)	30'-0" (9.14 m)	40'-0" (12.19 m)	50'-0" (15.24 m)
Field Diameter (feet)	9.33	13.99	18.65	23.32	27.98	37.3	46.63
Field Diameter (meters)	2.84	4.26	5.68	7.11	8.53	11.37	14.21
Illuminance (fc)	48.56	21.58	12.14	7.77	5.4	3.04	1.94
Illuminance (lux)	522.69	232.28	130.67	83.64	58.13	32.72	20.88

**65 Degrees**  
**(Zoom at DMX 255)**

Candela	Lumens
2876.9	1631

Throw Distance	10'-0" (3.04 m)	15'-0" (4.57 m)	20'-0" (6.09 m)	25'-0" (7.62 m)	30'-0" (9.14 m)	40'-0" (12.19 m)	50'-0" (15.24 m)
Field Diameter (feet)	12.74	19.11	25.48	31.85	38.22	50.97	63.71
Field Diameter (meters)	3.88	5.82	7.77	9.71	11.65	15.54	19.42
Illuminance (fc)	28.68	12.75	7.17	4.59	3.19	1.79	1.15
Illuminance (lux)	308.71	137.24	77.18	49.41	34.34	19.27	12.38

## AP150 Dimensions



*Note: Drawings are not to scale.*

## Specifications

<b>Materials:</b>	Corrosion-resistant materials and hardware
<b>Control:</b>	DMX/RDM
<b>Light Engine:</b>	135 Watt RGBW (White=6500K)
<b>Beam Lumens:</b>	See photometrics for each beam spread
<b>Rated LED Life:</b>	Arrays are rated for >50,000 to L70
<b>Input Voltage:</b>	100-240 VAC 50/60 Hz
<b>Current Draw:</b>	1.13A at 120VAC / 0.58A at 230VAC
<b>Current Inrush:</b>	At 240 VAC, 40A (1/2 cycle) @25°C
<b>Quiescent Load:</b>	0.082 AMP (9.84 Watts) @ 120 VAC* 0.041 AMP (9.84 Watts) @ 240 VAC* *Fan and display off
<b>Power Factor:</b>	≥ 0.95
<b>Power Through:</b>	Up to 9 Units at 120VAC* Up to 14 units at 230 VAC* * Power linking is only for connecting AP-150-RGBW Pars only, not other products or equipment.
<b>LED Engine Cooling:</b>	Active with progressive output management
<b>Environment:</b>	0 to 40 degrees C (32 to 104 degrees F) with humidity of 5%-95% (non-condensing)
<b>Weight:</b>	11.2 lbs. (5.08 Kg.)
<b>Body Color:</b>	Black
<b>Compliance:</b>	cETLus listed for indoor use and CE marked
<b>Warranty:</b>	Five (5) years and one (1) day
<b>Support:</b>	Forever for the life of the product

DMX VALUES FOR WHITE SETTINGS

	RED	GREEN	BLUE	WHITE
2700K	100%	64%	0%	18%
3000K	100%	68%	0%	30%
3200K	100%	70%	0%	39%
4000K	100%	76%	0%	99%
5600K	46%	12%	0%	100%

\*Settings will only be achieved when the unit is in 8bit or 16bit Mode

Color frame, top hat, half top hat, and barn door frames are rectangular and will only fit the accessory frame holder in one direction on the AP-150-RGBW LED Par. These accessories are sold separately. Barn door (multi-lensed output): When using barn doors (AP150BD-BK), please note that the beam shaping flap may create multiple shadows depending on throw distance and beam spread setting. If you require "fresnel style" beam shaping, add a color frame (AP150CF-BK) with your desired diffusion media (by others).

Top hat / half top hat (multi-lensed output): When using either the top hat (AP150TH-BK) or half top hat (AP150HTH-BK) accessories, please note that these are designed to control light spill or to reduce the viewing angle to the lens. These accessories are intended for use with beam settings from Very Narrow to Medium Flood. Using the accessories with beam settings Wide Flood or Extra Wide Flood, may result in undesired beam distortion depending upon throw distance. The AP150TH-BK and AP150HTH-BK are flocked on the interior to reduce light reflection.

## Ordering Information

### AP-150-RGBW-B-PCED

(Fixture with PCL-PBG-12-5 PowerCON to Edison power input cable)

### AP-150-RGBW-B-PCBE

(Fixture with PCL-PBG-12-5 PowerCON to Bare End power input cable)

### AP-150-RGBW-B

(Fixture only. Does not include power input cable)

**NOTE:** The AP-150-RGBW-B, AP-150-RGBW-B-PCED and AP-150-RGBW-B-PCBE do not include a C-Clamp or safety cable. These must be ordered separately.

## Accessories

<b>AP150BD-BK</b>	AP-150-RGBW LED Par 4-Leaf Barn Doors, Black
<b>AP150TH-BK</b>	AP-150-RGBW LED Par 3-inch Top Hat, Black
<b>AP150HTH-BK</b>	AP-150-RGBW LED Par 3-inch Half Top Hat, Black
<b>AP150CF-BK</b>	AP-150-RGBW LED PAR Color Frame, Black
<b>PCL-BARE-12-5</b>	PowerCON (blue) to Bare End, 5-foot (1.5m) 20A power input cable
<b>PCL-2P&amp;G-12-5</b>	PowerCON (blue) to Stage Pin Male, 5-foot (1.5m) 20A power input cable
<b>PCL-PBG-12-5</b>	PowerCON (blue) to Edison Male, 5-foot (1.5m) 20A power input cable
<b>PCL-TLG-12-5</b>	PowerCON (blue) to L5-20P Twist Lock Male, 5-foot (1.5m) 20A power input cable
<b>PCTJ-12-5</b>	5-Foot (1.5m), 20 Amp, PowerCON In to PowerCON Out feed-through jumper Cable
<b>PCTJ-12-10</b>	10-Foot (3.0m), 20 Amp, PowerCON In to PowerCON Out feed-through jumper Cable
<b>PCTJ-12-15</b>	15-Foot (4.5m), 20 Amp, PowerCON In to PowerCON Out feed-through jumper Cable
<b>PCTJ-12-25</b>	25-Foot (7.62m), 20 Amp, PowerCON In to PowerCON Out feed-through jumper Cable
<b>PCTJ-COUPLER</b>	PowerCON coupler (PowerCON In to PowerCON Out to link cables)
<b>SC-36-BK</b>	36-Inch (914 mm) Black Safety Cable with Spring Clip
<b>510</b>	Malleable Iron Pipe Clamp

