

# HYDRA SERIES AIP200

## 200W RGBL IP65 LED PAR

The Hydra Series AIP-200 is a compact 200 Watt RGBL IP65 rated & convection cooled zoom par that is packed with a high feature set at an affordable price. This silent, compact luminaire weighs in at just 13.44 pounds / 6.1 kg. but features a powerful lumen output with a wide zoom range.

The AIP-200's compact, cast aluminum design allows for discrete luminaire placement while the Red, Green, Blue, Lime LED engine offers very high output of deep rich saturated colors as well as soft and delicate pastels. The AIP-200 replicates the soft output of a par wash light while maintaining a uniform beam output throughout the entire zoom range.

The AIP-200 offers a number of different control states from 8 Bit, 16 Bit, RGB, CMY, Compact and HSIC, modes allowing for a number of control choices. Popular gel colors are factory calibrated and custom color presets are available to program and store custom color mixes. This allows for quick selection of factory preloaded white points and the most widely used entertainment color choices.

The motorized zoom produces a beam spread between 6.5° and 50° with built-in stops at five different set points ensuring precise beam spread repeatability. This zoom can be set from either the back panel and locked out, or directly from the console.



*AIP200 RGBL Zoom Par*

### **Product Features:**

- 5792 max lumens
- Red, Green, Blue, Lime LED Engine
- IP65 rated
- Lightweight, 13.80 lbs. (6.26 kg)
- Motorized zoom system 6.5° to 50° with built-in stops for:
  - Very Narrow Spot (VNSP)
  - Narrow Spot (NSP)
  - Medium Flood (MFL)
  - Wide Flood (WFL)
  - Extra Wide Flood (XWFL)
- Patented Zoom Lock
- 100 to 240 VAC 50/60 Hz operation
- Seetronic PowerKON Power input and through connection
- Up to 30 Hz Strobe rate
- DMX 5-pin in and through IP65 Rated connection
- Compatible with DMX 512 and RDM protocols
- On-board, simple-to-use user interface - with keypad lock-out security features
- Eight different control settings of:
  - 16-bit Direct (15 DMX Channels)
  - 16-bit CMY (13 DMX Channels)
  - 8-bit Direct (10 DMX Channels)
  - 8-bit CMY (9 DMX Channels)
  - RGB (5 DMX Channels)
  - HSIC (10 DMX Channels)
  - Compact Mode (6 DMX Channels)
  - Compact Mode with Zoom (7 DMX Channels)
- Silent convection cooling
- Built-in floor stand
- Color calibration system
- Multiple dimming profiles
- Frequency Adjust Settings
- Amber Shift Settings
- On-board factory set and customer defined color presets
- Preset white select set point settings
- Available in black
- cETLus listed CE marked
- Five (5) year and one (1) day warranty
- No cost technical support for the life of your product

AIP-200 RGLB Photometrics - Spot Mode

Photometrics Note: all photometrics unless stated otherwise, have been taken in a 25°C environment with all LEDs at full intensity following a 60 minute warm up period

6.5° VNSP

Candela	Lumens	Lumens (Cold)
125710	2008	3514

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)	55' (16.76m)	60' (18.29m)
Illuminance (fc)	1172	521	293	188	130	96	73	58	47	39	33
Illuminance (lux)	12615	5607	3154	2018	1402	1030	788	623	505	417	350
Illuminance (fc) Cold	2112	939	528	338	235	172	132	104	84	70	59
Illuminance (lux) Cold	22730	10102	5683	3637	2526	1856	1421	1122	909	751	631

Candela	Lumens
48497	2073

11.4° NSP

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)	55' (16.76m)	60' (18.29m)
Illuminance (fc)	473	210	118	76	53	39	30	23	19	16	13
Illuminance (lux)	5093	2263	1273	815	566	416	318	251	204	168	141
Illuminance (fc) Cold	990	440	248	158	110	81	62	49	40	33	28
Illuminance (lux) Cold	10660	4738	2665	1706	1184	870	666	526	426	352	296

Candela	Lumens
47057	3097

18.9° MFL

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)	55' (16.76m)	60' (18.29m)
Illuminance (fc)	467	207	117	75	52	38	29	23	19	15	13
Illuminance (lux)	5022	2232	1255	803	558	410	314	248	201	166	139
Illuminance (fc) Cold	431	191	108	69	48	35	27	21	17	14	12
Illuminance (lux) Cold	4637	2061	1159	742	515	379	290	229	185	153	129

Candela	Lumens
18507	2486

25.2° WFL

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)	55' (16.76m)	60' (18.29m)
Illuminance (fc)	184	82	46	29	20	15	11	9	7	6	5
Illuminance (lux)	1979	879	495	317	220	162	124	98	79	65	55
Illuminance (fc) Cold	240	107	60	38	27	20	15	12	10	8	7
Illuminance (lux) Cold	2583	1148	646	413	287	211	161	128	103	85	72

Candela	Lumens	Lumen (Cold)
10548	2396	5310

32° XWFL

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)	55' (16.76m)	60' (18.29m)
Illuminance (fc)	106	47	26	17	12	9	7	5	4	3	3
Illuminance (lux)	1138	506	284	182	126	93	71	56	46	38	32
Illuminance (fc) Cold	155	69	39	25	17	13	10	8	6	5	4
Illuminance (lux) Cold	1671	743	418	267	186	136	104	83	67	55	46

AIP-200 RGLB Photometrics - Wash Mode

Photometrics Note: all photometrics unless stated otherwise, have been taken in a 25°C environment with all LEDs at full intensity following a 60 minute warm up period

8.4° VNSP

Candela	Lumens	Lumens (Cold)
126237	2055	5160

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)
Illuminance (fc)	1170	520	293	187	130	96	73	58	47
Illuminance (lux)	12597	5599	3149	2015	1400	1028	787	622	504
Illuminance (fc) Cold	1375	611	344	220	153	112	86	68	55
Illuminance (lux) Cold	14800	6578	3700	2368	1644	1208	925	731	592

Candela	Lumens
35659	2407

15.2° NSP

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)
Illuminance (fc)	353	157	88	56	39	29	22	17	14
Illuminance (lux)	3797	1688	949	608	422	310	237	188	152
Illuminance (fc) Cold	633	281	158	101	70	52	40	31	25
Illuminance (lux) Cold	6811	3027	1703	1090	757	556	426	336	272

Candela	Lumens
19173	2416

21.1° MFL

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)
Illuminance (fc)	190	85	48	30	21	16	12	9	8
Illuminance (lux)	2048	910	512	328	228	167	128	101	82
Illuminance (fc) Cold	344	153	86	55	38	28	22	17	14
Illuminance (lux) Cold	3705	1647	926	593	412	302	232	183	148

Candela	Lumens
12289	2468

26.3° WFL

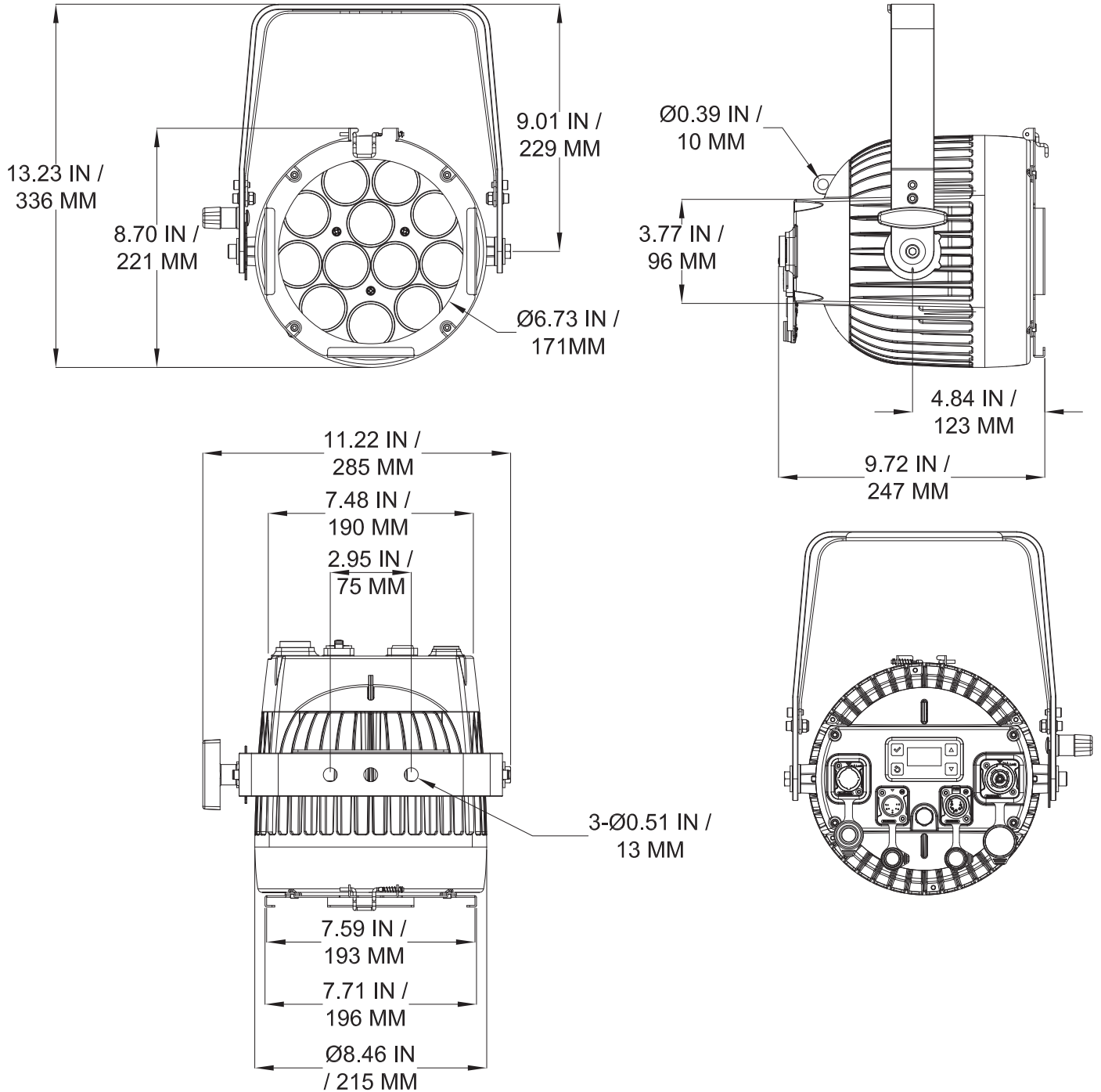
Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)
Illuminance (fc)	123	54	31	20	14	10	8	6	5
Illuminance (lux)	1319	586	330	211	147	108	82	65	53
Illuminance (fc) Cold	217	96	54	35	24	18	14	11	9
Illuminance (lux) Cold	2336	1038	584	374	260	191	146	115	93

Candela	Lumens	Lumens (Cold)
8723	2503	5792

32° XWFL

Throw Distance	10' (3.05m)	15' (4.57m)	20' (6.10m)	25' (7.62m)	30' (9.14m)	35' (10.66m)	40' (12.19m)	45' (13.71m)	50' (15.24m)
Illuminance (fc)	87	39	22	14	10	7	5	4	3
Illuminance (lux)	936	416	234	150	104	76	58	46	37
Illuminance (fc) Cold	151	67	38	24	17	12	9	7	6
Illuminance (lux) Cold	1620	720	405	259	180	132	101	80	65

AIP-200 RGLB Dimensions with Face Frame Attached



## Specifications

<b>Materials:</b>	Corrosion-resistant materials and hardware
<b>Beam Angle:</b>	6.5° - 50°
<b>Control:</b>	DMX/RDM
<b>Light Engine:</b>	12X20 Watt RGLB
<b>Lumens:</b>	See photometrics for each beam spread
<b>Max Lumens:</b>	5792*
<b>Rated LED Life:</b>	Arrays are rated for >50,000 to L70
<b>Input Voltage:</b>	<b>100-240 VAC 50/60 Hz</b>
<b>Wattage:</b>	<b>222 Watts*</b>
<b>Current Draw:</b>	1.67A @ 120VAC; 0.87A @ 230VAC
<b>Current Inrush:</b>	At 120 VAC, 50A (1/2 cycle) @25°C At 240 VAC, 40A (1/2 cycle) @25°C
<b>Quiescent Load:</b>	6.05 Watts
<b>Power Factor:</b>	≥ 0.95
<b>Max Daisy Chain:</b>	8 Units @120VAC; 13 Units @230VAC
<b>Dimensions:</b>	9-11/64" x 11-7/32" x 13-15/64" (233 x 285 x 336mm)
<b>Cooling:</b>	Passive
<b>Environment:</b>	IP65, -20°C to 45°C (-4°F to 113°F)
<b>Impact Resistance:</b>	IK05
<b>Weight:</b>	13.80 lbs. (6.26 kg)
<b>Body Color:</b>	Black
<b>Compliance:</b>	cETLus listed for outdoor use and CE marked
<b>Warranty:</b>	Five (5) years and one (1) day
<b>Support:</b>	Forever for the life of the product

\* - All LED's on at Full from a Cold Start

*Barn door (multi-lensed output): When using barn doors (6-BD-4), 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 (6-CFB) with your desired diffusion media (by others).*

*Top hat / half top hat (multi-lensed output): When using either the top hat (6-SN) or half top hat (6-SN) 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 Hydra Series AIP-200 is an IP65 rated Par that offers IP65 rated connections at the luminaire. Accessories offered for this product include male end wire plugging terminations of Edison (5-15P), Twist-Lock (GTL), and Pin (2P&G) plugs. These connector types are not IP-65 rated and will require protection from ingress when used in wet locations.*



## Ordering Information

### AIP-200-RGLB-B

(Fixture and AIP200-FF. Does not include power input cable)

### AIP-200-RGLB-B-SCBE

(AIP-200-RGLB-B with SPK-BARE-12-5 PowerKON to Bare End power input cable)

### AIP-200-RGLB-B-SCED

(AIP-200-RGLB-B with SPK-PBG-12-5 PowerKON to Edison power input cable)

**NOTE:** The AIP-200-RGLB-B, AIP-200-RGLB-B-SCED and AP-200-RGLB-B-SCBE do not include a C-Clamp or safety cable. These must be ordered separately.

## Accessories

<b>6-BD-4</b>	Barn-Door 4 door eight leaf
<b>AIP200-FF</b>	Spare Face Frame with Screws
<b>6-SN</b>	7-1/2" X 7-1/2" Top hat (snoot)
<b>6-CFB</b>	Black Color Frame 7-1/2" x 7-1/2"
<b>SC-36-BK</b>	36-Inch Black Safety Cable with Spring Clip
<b>SS-SC-40-BK</b>	40-Inch Stainless Steel Safety Cable with Spring Clip
<b>510</b>	Malleable Iron Pipe Clamp
<b>52-SAC3FX</b>	Seetronic PowerKon Input Connector
<b>52-SAC3MX</b>	Seetronic PowerKon Thru Connector
<b>SPK-PBG-12-5</b>	5' 20 Amp Seetronic PowerKON from 15A Edison Male IP65. **
<b>SPK-2P&amp;G-12-5</b>	5' 20 Amp Seetronic PowerKON from Stage Pin Connector Male. **
<b>SPK-TLG-12-5</b>	5' 20 Amp Seetronic PowerKON from Twist Lock GTL Male. **
<b>SPKJ-12-5</b>	5' 20 Amp Seetronic PowerKON In to PowerKON Out Feed Thru Jumper
<b>SPKJ-12-10</b>	10' 20 Amp Seetronic PowerKON In to PowerKON Out Feed Thru Jumper
<b>SPKJ-12-15</b>	15' 20 Amp Seetronic PowerKON In to PowerKON Out Feed Thru Jumper
<b>SPKJ-12-25</b>	25' 20 Amp Seetronic PowerKON In to PowerKON Out Feed Thru Jumper
<b>SPK-BARE-12-5</b>	5' 20A Seetronic PowerKON to Bare End
<b>SPK-BARE-12-10</b>	10' 20A Seetronic PowerKON to Bare End
<b>SPK-BARE-12-25</b>	25' 20A Seetronic PowerKON to Bare End
<b>XLR-IP-5-5</b>	5' 5Pin IP65 XLR Cable-DMX
<b>XLR-IP-5-10</b>	10' 5Pin IP65 XLR Cable-DMX
<b>XLR-IP-5-15</b>	15' 5Pin IP65 XLR Cable-DMX
<b>XLR-IP-5-25</b>	25' 5Pin IP65 XLR Cable-DMX