# Summit Series AIP200

## 200W RGBL IP65 LED PAR

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The Summit 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.

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## 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 lockout security features
- Silent convection cooling
- Built-in floor stand

- Color calibration system
- Multiple dimming profiles
- Frequency Adjust Settings
- Amber Shift Settings
- 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)
- 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

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## 200W RGBL IP65 LED PAR

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## Photometric - AIP200 Spot Mode

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

### Zoom Set: VNSP - Very Narrow

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | Lumens (Cold) |
|---|---|---|---|---|---|---|
| Full On | 0 | 6.5° | 12570 | 2008 | | 3514 |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 1.1ft (0.3m) | 1.7ft (0.5m) | 2.3ft (0.7m) | 3.5ft (1.0m) | 4.6ft (1.4m) | 5.8ft ( 1.7m) |
| Illuminance (fc) at Full On | 1172 (Cold 2112) | 521 (Cold 939) | 293 (Cold 528) | 130 (Cold 235) | 73 (Cold 132) | 47 (Cold 84) |
| Illuminance (lux) at Full On | 12615 (Cold 22730) | 5607 (Cold 10102) | 3154 (Cold 5683) | 1402 (Cold 2526) | 788 (Cold 1421) | 505 (Cold 909) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Very Narrow, Multiply any distance by 0.116.

### Zoom Set: NSP - Narrow

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | |
|---|---|---|---|---|---|---|
| Full On | 63 | 11.4 | 48497 | 2073 | | |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 2.0ft (0.6m) | 3.0ft (0.9m) | 4.1ft (1.2m) | 6.1ft (1.8m) | 8.2ft (2.5m) | 10.2ft (3.1m) |
| Illuminance (fc) at Full On | 473 (Cold 990) | 210 (Cold 440) | 118 (Cold 248) | 53 (Cold 110) | 30 (Cold 62) | 19 (Cold 40) |
| Illuminance (lux) at Full On | 5093 (Cold 10660) | 2263 (Cold 4738) | 1273 (Cold 2665) | 566 (Cold 1184) | 318 (Cold 666) | 204 (Cold 426) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Narrow, Multiply any distance by 0.205.

### Zoom Set: MFL - Medium

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | |
|---|---|---|---|---|---|---|
| Full On | 127 | 18.9° | 47057 | 3097 | | |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 3.4ft (1.0m) | 5.1ft (1.5m) | 6.8ft (2.0m) | 10.2ft (3.1m) | 13.6ft (4.1m) | 17.0ft (5.1m) |
| Illuminance (fc) at Full On | 467 (431 Cold ) | 207 (191 Cold ) | 117 (108 Cold ) | 52 (48 Cold ) | 29 (27 Cold ) | 19 (17 Cold ) |
| Illuminance (lux) at Full On | 5022 (4637 Cold ) | 2061 (2232 Cold ) | 1255 (1159 Cold ) | 558 (515 Cold ) | 314 (290 Cold ) | 201 (185 Cold ) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Medium, Multiply any distance by 0.34.

### Zoom Set: WFL - Wide

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | |
|---|---|---|---|---|---|---|
| Full On | 191 | 25.2° | 18507 | 2486 | | |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 4.5ft (1.3m) | 6.8ft (2.0m) | 9.0ft (2.7m) | 13.6ft (4.1m) | 18.1ft (5.5m) | 22.6ft (6.8m) |
| Illuminance (fc) at Full On | 184 (240 Cold ) | 82 (107 Cold ) | 46 (60 Cold ) | 20 (27 Cold ) | 11 (15 Cold ) | 7 (10 Cold ) |
| Illuminance (lux) at Full On | 1979 (2583 Cold ) | 879 (1148 Cold ) | 495 (646 Cold ) | 220 (287 Cold ) | 124 (161 Cold ) | 79 (103 Cold ) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Wide, Multiply any distance by 0.453.

### Zoom Set: XWFL - Extra Wide

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | Lumens (Cold) |
|---|---|---|---|---|---|---|
| Full On | 255 | 32° | 10548 | 2396 | | 5310 |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 5.7ft (1.7m) | 8.6ft (2.6m) | 11.5ft (3.5m) | 17.2ft (5.2m) | 23.0ft (7.0m) | 28.8ft (8.7m) |
| Illuminance (fc) at Full On | 106 ( 155 Cold ) | 47 (69 Cold ) | 26 (39 Cold ) | 12 (17 Cold ) | 7 (10 Cold ) | 4 (6 Cold ) |
| Illuminance (lux) at Full On | 1138 (1671 Cold ) | 506 (743 Cold ) | 284 (418 Cold ) | 126 (186 Cold ) | 71 (104 Cold ) | 46 (67 Cold ) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Extra Wide, Multiply any distance by 0.573.

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# Summit Series AIP200

## 200W RGBL IP65 LED PAR

## Photometric - AIP200 Wash Mode

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

### Zoom Set: VNSP - Very Narrow

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | Lumens (Cold) |
|---|---|---|---|---|---|---|
| Full On | 0 | 8.4° | 126237 | 2055 | | 5160 |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 1.5ft (0.4m) | 2.2ft (0.6m) | 3.0ft (0.9m) | 4.5ft (1.3m) | 6.05ft (1.8m) | 7.5ft (2.2m) |
| Illuminance (fc) at Full On | 1170 (1375 Cold) | 520 (611 Cold) | 293 (344 Cold) | 130 (153 Cold) | 73 (86 Cold) | 47 (55 Cold) |
| Illuminance (lux) at Full On | 12597 (14800 Cold) | 5599 (6578 Cold) | 3149 (3700 Cold) | 1400 (1644 Cold) | 787 (925 Cold) | 504 (592 Cold) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Very Narrow, Multiply any distance by 0.15.

### Zoom Set: NSP - Narrow

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | |
|---|---|---|---|---|---|---|
| Full On | 63 | 15.2° | 48497 | 2073 | | |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 2.7ft (0.8m) | 4.1ft (1.2m) | 5.4ft (1.6m) | 8.2ft (2.5m) | 10.9ft (3.3m) | 13.6ft (4.1m) |
| Illuminance (fc) at Full On | 353 (633 Cold) | 157 (281 Cold) | 88 (158 Cold) | 39 (70 Cold) | 22 (40 Cold) | 14 (25 Cold) |
| Illuminance (lux) at Full On | 3797 (6811 Cold) | 1688 (3027 Cold) | 949 (1703 Cold) | 422 (757 Cold) | 237 (426 Cold) | 152 (272 Cold) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Narrow, Multiply any distance by 0.273.

### Zoom Set: MFL - Medium

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | |
|---|---|---|---|---|---|---|
| Full On | 127 | 21.1° | 47057 | 3097 | | |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 3.8ft (1.1m) | 5.7ft (1.7m) | 7.6ft (2.3m) | 11.4ft (3.4m) | 15.2ft (4.6m) | 18.9ft (5.7m) |
| Illuminance (fc) at Full On | 190 (344 Cold) | 85 (153 Cold) | 48 (86 Cold) | 21 (38 Cold) | 12 (22 Cold) | 8 (14 Cold) |
| Illuminance (lux) at Full On | 2048 (3705 Cold) | 910 (1647 Cold) | 512 (926 Cold) | 228 (412 Cold) | 128 (232 Cold) | 82 (148 Cold) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Medium, Multiply any distance by 0.38.

### Zoom Set: WFL - Wide

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | | |
|---|---|---|---|---|---|---|
| Full On | 191 | 26.3° | 18507 | 2486 | | |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 4.7ft (1.4m) | 7.1ft (2.1m) | 9.4ft (2.8m) | 14.2ft (4.3m) | 18.9ft (5.7m) | 23.6ft (7.1m) |
| Illuminance (fc) at Full On | 123 (217 Cold) | 54 (96 Cold) | 31 (54 Cold) | 14 (24 Cold) | 8 (14 Cold) | 5 (9 Cold) |
| Illuminance (lux) at Full On | 1319 (2336 Cold) | 586 (1038 Cold) | 330 (584 Cold) | 147 (260 Cold) | 82 (146 Cold) | 53 (93 Cold) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Wide, Multiply any distance by 0.473.

### Zoom Set: XWFL - Extra Wide

| Output Setting | Zoom DMX | Beam Angle | Candela | Lumens | Lumens (Cold) |
|---|---|---|---|---|---|
| Full On | 255 | 50° | 10548 | 2396 | 5310 |
| Throw Distance | 10ft (3m) | 15ft (4.6m) | 20ft (6.1m) | 30ft (9.1m) | 40ft(12.1m) | 50ft (15.2m) |
| Field Diameter | 9ft (2.7m) | 13.5ft (4.1m) | 18ft (5.4m) | 27ft (8.2m) | 36ft (10.9m) | 45ft (13.7m) |
| Illuminance (fc) at Full On | 87 (151 Cold) | 39 (67 Cold) | 22 (38 Cold) | 10 (17 Cold ) | 5 (9 Cold) | 3 (6 Cold) |
| Illuminance (lux) at Full On | 936 (1620 Cold) | 416 (720 Cold) | 234 (405 Cold) | 104 (180 Cold) | 58 (101 Cold) | 37 (65 Cold ) |

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for Extra Wide, Multiply any distance by 0.9.
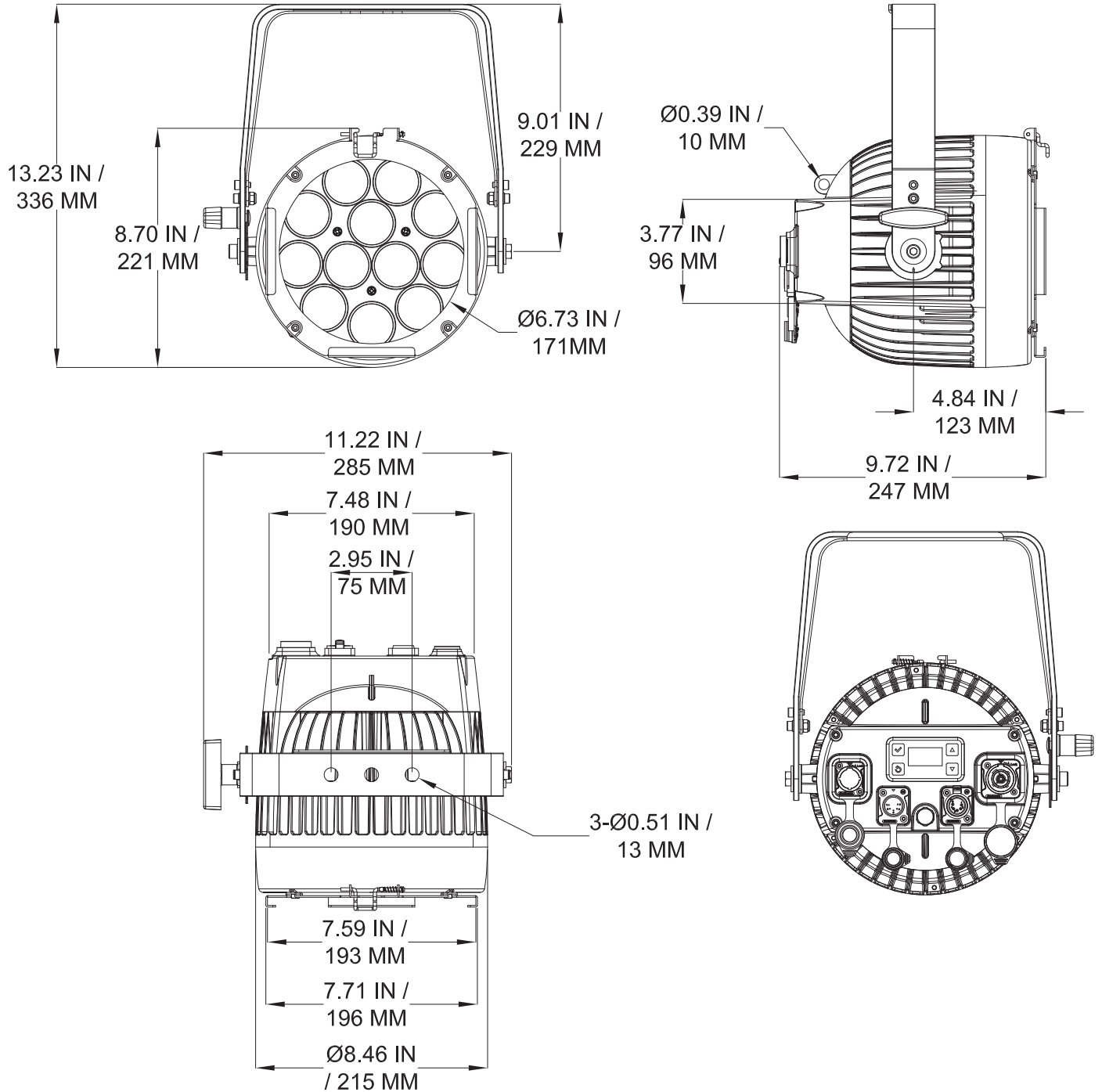
# Summit Series AIP200

200W  RGBL  IP65  LED  PAR

## Dimensions



13.23 IN /
336 MM

9.01 IN /
229 MM

8.70 IN /
221 MM

Ø6.73 IN /
171MM

Ø0.39 IN /
10 MM

3.77 IN /
96 MM

4.84 IN /
123 MM

9.72 IN /
247 MM

11.22 IN /
285 MM

7.48 IN /
190 MM

2.95 IN /
75 MM

3-Ø0.51 IN /
13 MM

7.59 IN /
193 MM

7.71 IN /
196 MM

Ø8.46 IN
/ 215 MM

# Summit Series AIP200

## 200W RGBL IP65 LED PAR

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## Specifications

### LED Source

| LED Engine | 12X20 Watt RGBL |
|---|---|
| Max Power Consumption | 222 Watts |
| Rated LED Life: | Arrays are rated for >50,000 to L70 |
| PWM (Pulse Width Modulation) | 600hz to 25khz |
| Strobe | 0-30HZ |

### Color

| Color Used | RGBL |
|---|---|
| Color Temperature Range | 2700K to 10000K |
| Dimming Curves | Linear, Incandescent and Standard |
| Tungsten Dimming Simulation | Off to 2500W |
| Color Calibration | Yes (On and Off Setting) |

### Optical

| Zoom Range | Wash Mode: 6.5° to 32° Spot Mode: 8° to 50° |
|---|---|
| Aperture Size | 7 1/2" |
| Zoom Lock | Patented Zoom Lock |

### Control and Programming

| Input Connections | DMX512 via 5-pin XLR connector / Hardware via Terminal Block / Wireless |
|---|---|
| Protocols | DMX512/RDM |
| Modes | 16bit Direct (15 DMX Channels) 16bit CMY (13 DMX Channels) 8bit Direct (10 DMX Channels) 8bit CMY (9 DMX Channels) RGB (5 DMX Channels) HSIC (10 DMX Channels) Compact Mode (6 DMX Channels) Compact with Zoom (7 DMX Channels) |
| RDM Configuration | Yes |
| User Interface | Local User Interface. |
| Presets | 60 Preset Colors |

### Electrical

| Voltage Range | 100-240 VAC, 50/60 Hz |
|---|---|
| Input Connection | Seetronic PowerKON Power Input and Through |
| Current Inrush | At 120 VAC, 50A (1/2 cycle) @25°C At 240 VAC, 40A (1/2 cycle) @25°C |
| Current Draw | 1.67A @ 120VAC; 0.87A @ 230VAC |
| Power Factor | ≥ 0.95 |
| Quiescent Load: | 6.05 Watts |
| Max Daisy Chain: | 8 Units @120VAC; 13 Units @230VAC |

### Thermal

| Operating Temp | -20°C to 45°C (-4°F to 113°F) |
|---|---|
| Fan | Convection Cooled |
| dB | N/A |
| BTUs/Hour | 682.4 BTU Per Hour (Full Intensity) |

### Construction

| Materials | Corrosion-resistant materials and hardware |
|---|---|
| Color Options | Black, White or Custom |
| Mounting | Kick Stand and Yoke |
| IP Rating | IP65 |
| Impact Resistance: | IK05 |
| Weight | 13.80lbs (6.26kg) |
| Size | 9-11/64" x 11-7/32" x 13-15/64" (233 x 285 x 336mm) |

### 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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# Summit Series AIP200

## 200W RGBL IP65 LED PAR

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## Ordering Information

### Models

| Model: | LED: | Body Color: | Cable Option |
|---|---|---|---|
| **AIP-200** | **RGBL** - Color Mixing | **B** - Black<br>**W** - White<br>**C** - Custom | **\*Blank\*** - No Cable Supplied<br>**SCBE** - Seetronic PowerKon to Bare End<br>**SCED** - Seetronic PowerKon to Male Edison |

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

**Example** - For the AIP200 with an RGBL LED Array in Black with a Seetronic to Edison cable, the part number would be AIP-200-RGBL-B-SCED.

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

### Included Items

| Model: | Description: |
|---|---|
| AIP-200-RGBL-* | AIP 200 Face Frame (**AIP200-FF**) |
| AIP-200-RGBL-*-SCBE | AIP 200 Face Frame (**AIP200-FF**), 5-foot 20A Seetronic PowerKon to Bare End (**SPK-BARE-12-5**) |
| AIP-200-RGBL-*-SCED | AIP 200 Face Frame (**AIP200-FF**), 5-foot 20A Seetronic PowerKon to Male Edison Connector (**SPK-PBG-12-5**) |

### Accessories

| Model: | Description: |
|---|---|
| 510 | Malleable Iron Clamp |
| 515 | Extruded Aluminum C-Clamp |
| SC-36-BK | 36-Inch Black Safety Cable with Spring Clip |
| SS-SC-40-BK | 40-Inch Stainless Steel Safety Cable with Spring Clip |
| 6-BD-4 | Barn-Door 4 door eight leaf |
| 6-SN | 7-1/2" X 7-1/2" Top hat (snoot) |
| 6-CFB | Black Color Frame 7-1/2" x 7-1/2" |
| 52-SAC3FX | Seetronic PowerKon Input Connector |
| 52-SAC3MX | Seetronic PowerKon Thru Connector |

### Power Input Cables

| Model: | Connector Type: | Wire Size: | Length: |
|---|---|---|---|
| **SPK** - Seetronic PowerKON Input | **BARE** - Bare End Cable<br>**2P&G** - Stage Pin Male<br>**PBG** - Edison Male<br>**TLG** - L5-20 Twist Lock Male | **12** - 12/3 AWG Wire | **5** - 5ft<br>**10** - 10ft<br>**25** - 25ft |

**Note:** When ordering the Seetronic Power 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 Input and Thru | **12** - 12/3 AWG Wire | **5** - 5ft<br>**10** - 10ft<br>**15** - 15ft<br>**25** - 25ft |

**Note:** When ordering the Seetronic Power Jumper Cables simply select an option from each column and that will produce your ordering part number.

### DMX Cables

| Model: | IP Rating Connector: | XLR Pinout: | Length: |
|---|---|---|---|
| **XLR** - DMX Cable | **IP** - IP65 DMX Connector | **5** - 5 pin DMX | **5** - 5ft<br>**10** - 10ft<br>**15** - 15ft<br>**25** - 25ft<br>**50** - 50ft<br>**100** - 100ft |

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

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