



**Chroma-Q®**  
BRILLIANT SOLUTIONS

**Specification Sheet - Version: 1.1**  
**Chroma-Q® Studio One 100™ Daylight White**  
**Above Par Performance from a White Source**  
**Part No: CHSONE100D**

**DESCRIPTION**

The fixture shall provide a powerful hot lumens output of up to 2,500 lumens.

The fixture shall be suitable for Theatrical, Film, TV and many other applications.

The fixture shall include Cool White LEDs (6,100K).

The fixture shall provide a CRI of 82.

The fixture shall provide a smooth, linear dimming curve.

The fixture shall feature a built-in stand alone mode.

The fixture shall feature a built-in power supply.

The fixture shall be manufactured from extruded material.

The fixture shall provide fully homogenised output beam.

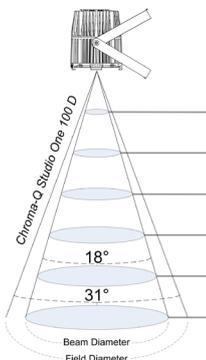
**FEATURES**

- Extreme white output at 6,100K
- Defined 18° beam
- Extremely uniform wash
- Fully homogenised beam
- Superior build quality
- High CRI of 82
- Camera friendly - Flicker free operation
- Floor, truss or wall mountable
- Convection cooled for near silent running
- Theatrical grade dimming

**ORDERING INFORMATION**

CHSONE100D: Chroma-Q Studio One 100 Daylight White, IP20, PowerCon and XLR-5pin In/Out

**PHOTOMETRICS**



|   | Throw Distance |    | Beam Spread |      | Field Spread |       | Full On |          |
|---|----------------|----|-------------|------|--------------|-------|---------|----------|
|   | M              | FT | M           | FT   | M            | FT    | LUX*    | FC*      |
| 1 | 3.28           |    | 0.3         | 0.98 | 0.5          | 1.64  | 20,717  | 1,924.67 |
| 2 | 6.56           |    | 0.6         | 1.97 | 1.1          | 3.61  | 5,179   | 481.14   |
| 3 | 9.84           |    | 0.9         | 2.95 | 1.6          | 5.25  | 2,302   | 213.86   |
| 4 | 13.12          |    | 1.2         | 3.94 | 2.2          | 7.22  | 1,295   | 120.31   |
| 5 | 16.40          |    | 1.5         | 4.92 | 2.7          | 8.86  | 829     | 77.02    |
| 6 | 19.69          |    | 1.8         | 5.91 | 3.3          | 10.83 | 575     | 53.42    |

\* measured at centre of beam

**OVERALL SPECIFICATIONS**

Net dimensions (Full Open Yoke): Width: 214mm / 8.5"  
Height: 267mm / 10.5"  
Depth: 232mm / 9"

Net weight: 3.8kg / 8.5lb

Shipping dimensions: Width: 406mm / 16"  
Height: 228mm / 9"  
Depth: 292mm / 11.5"

Shipping Weight: 5.5kg / 12lb

Power Supply: Built-in

Power Input Rating: 100-240V AC 50-60Hz 125VA

Power Factor: 0.5

Power Consumption: 60W @ 120V AC; 61W @ 230V AC

Inrush Current: 15A @ 120V AC; 36A @ 230V AC

Idle Power Consumption: 3W @ 120V AC; 5W @ 230V AC

Typical Power & Current: Measurements done with all LEDs at maximum intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

Power Connector In/Out: powerCON

Data Connectors In/Out: XLR 5-pin

Control Protocol: ANSI E1.11 USITT DMX 512-A

Cooling System: Convection

Operating Temperature: 0°C to 40°C

Construction: Cast machined aluminium

Colour: Black (custom colours available on request)

Built-In Hardware: Split Yoke, 6.25" Accessory Holder

Included Accessories: Wireless IR Remote, Colour Frame

IP Rating: IP20

Approvals: CISPR 15/EN55015& EN61547, FCC Part 15 Subpart B:2012 / ICES-003:2012, CSA C22.2, UL 1573, IEC 60598

LED Engines: 1

LEDs Per Engine: Cold White

Control Modes: 1 channel DIMMER, Master, Slave

Dimming Curve: Theatrical

Wireless Control: On / Off, Fade In, Fade Out

Hot Lumen Output (Combined): 2,500

Optics: Fully homogenised

Beam Angle: 18°

Beam Distribution: Symmetrical direct illumination

CCT: 6,100K (+/- 200K)

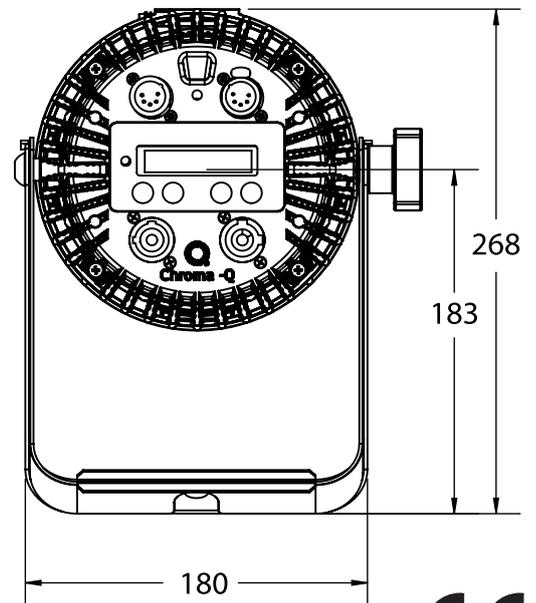
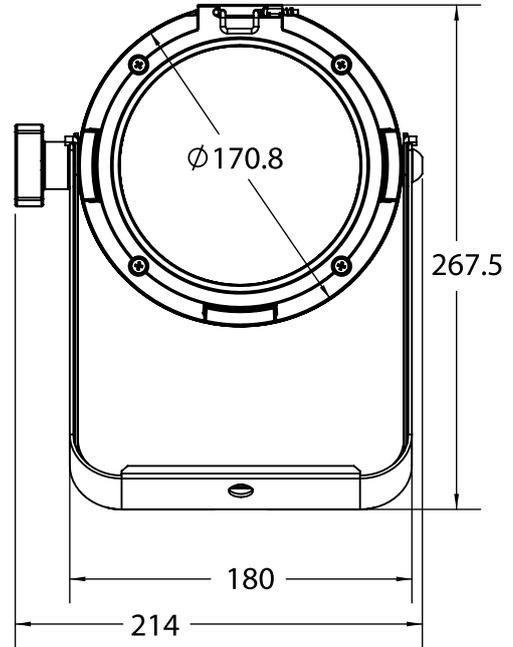
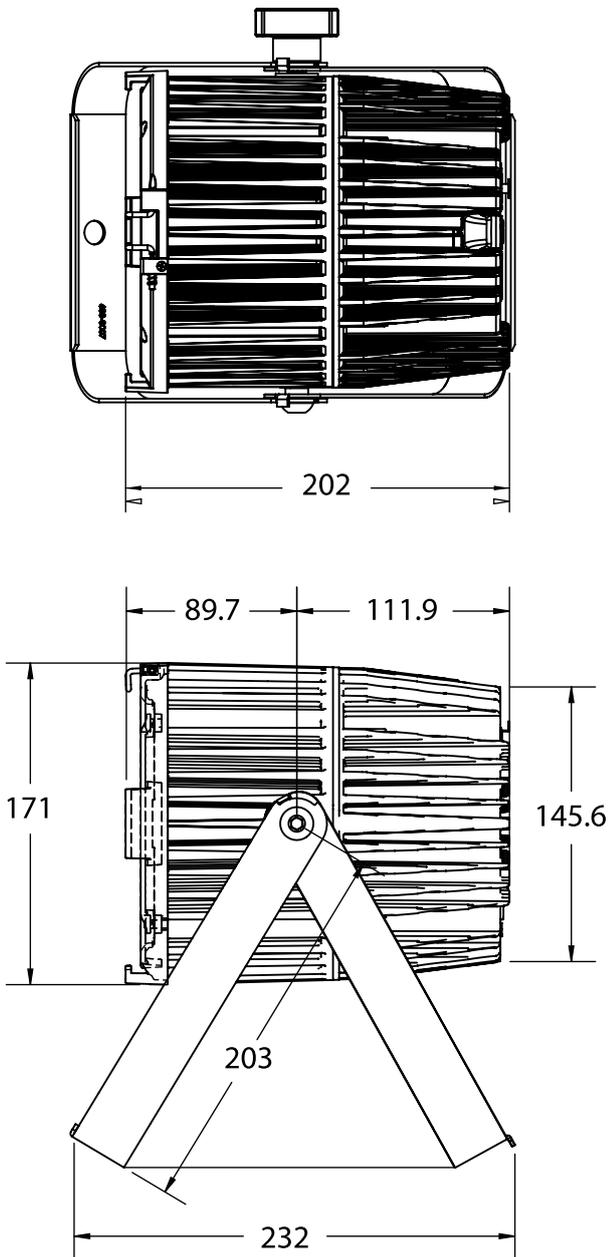
CRI: 82

Lamp Life: L70 at 50,000 hours



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