# ARRI Studio Ceramic 250

Ceramic technology provides an interesting solution for professional lighting designers. ARRI fixtures designed with this technology dramatically reduce transmitted heat, provide 3200K light, offer long lamp life and draw minimum power.

After the successful ARRI X Ceramic 250, ARRI Lighting developed a Fresnel style Ceramic fixture, which has been equally received. Modeled after the ARRI 2000 tungsten Fresnel, the Studio Ceramic 250 evolved into an optimized and balanced lamphead. User benefits are similar to the ARRI X Ceramic 250 design: lamp performance equal to a 1kw halogen lamp, cooler housing temperatures, lower power consumption, higher lamp life, 'hot' restrike, integrated ballast, 3200K color temperature, and a Color Rendering Index >90.

ARRI Ceramic Technology – a new choice!



## At a Glance

- 250W / 90-265V AC 50-60Hz
- 3200K / CRI>90
  - 4000hrs lamp lifetime
  - 21,200lm light output (lamp Ceramic ST 250 HR)
- 5600K / CRI>90 with MSR 250 HR
  - 500hrs lamp lifetime
  - 20000lm, 80lm/W
- Very high efficiency 85lm/W
- Hot Restrike
- Built-In Ballast
- Flicker Free (90Hz)
- Lower thermal stress to performers
- Longer lifetime for colour gels
- Cost benefits: maintenance, running costs, air conditioning, wiring, transport, generators

**Versions**
- Manual
- Pole Operation

**Colours**
- Blue / Silver
- Black

**Accessories**
- Barndoor
- Snoot
- Diffusor Frame
- Scrims

## Photometric Data

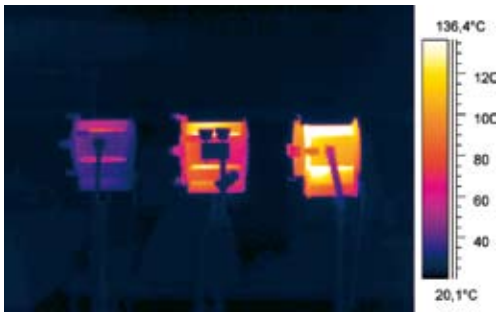
| Lamp | Focus | HPA | 3m/10ft | | 5m/15ft | | 10m/30ft | | Beam diameter | Beam diameter | Beam diameter |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | deg[°] | lx | fc | lx | fc | lx | fc | @ 3m/10ft | @ 5m/15ft | @ 10m/30ft |
| CST250HR | SPOT | 10 | 7500 | 697 | 2700 | 251 | 675 | 63 | 0,5m / 1,7ft | 0,9m / 2,9ft | 1,7m / 5,7ft |
| CST250HR | MIDDLE | 30 | 1900 | 177 | 684 | 64 | 171 | 16 | 1,6m / 5,3ft | 2,7m / 8,8ft | 5,4m / 17,6ft |
| CST250HR | FLOOD | 57 | 1081 | 100 | 389 | 36 | 97 | 9 | 3,3m / 10,7ft | 5,4m / 17,8ft | 10,9m / 35,6ft |
| | | | | | | | | | | | |
| MSR250HR | SPOT | 7 | 9500 | 883 | 3420 | 318 | 855 | 79 | 0,4m / 1,2ft | 0,6m / 2,0ft | 1,2m / 4,0ft |
| MSR250HR | MIDDLE | 30 | 1889 | 175 | 680 | 63 | 170 | 16 | 1,6m / 5,3ft | 2,7m / 8,8ft | 5,4m / 17,6ft |
| MSR250HR | FLOOD | 59 | 1067 | 99 | 384 | 36 | 96 | 9 | 3,4m / 11,1ft | 5,7m / 18,6 | 11,3m / 37,1ft |

## Technical Data

| | |
|---|---|
| Mains voltage range: | 90-265V / 50-60Hz |
| Dimensions (H x L x W): | 327x305x359mm / 12,9x12x14,1” |
| Weight without accessories: | 8,2kg / 18lbs; with lamp |
| Protective measure: | Protective class I, protective rate IP 20 |
| Max. ambient temperature: | 45°C / 113°F for full lamp performance |
| Max. surface temperature: | 80°C / 176°F |
| Recommended tilting angle for lamp: | According to lamp manufacturer (burning position: any) |
| Max. operating tilting angle: | ± 90° |
| Spigot mounting: | ø 28mm DIN 15560/T24 ZA |
| Colour temperature: | 3200 +/- 100K |
| Tc variation (vertical/horizontal burning position): | +/-100K |
| Colour rendering: | Ra > 90 |
| Flicker: | Flicker Free, 90Hz (square wave) |
| Barn door insert size Ø: | 245mm / 9,6” |
| Accessory insert size Ø: | 229mm / 9” |
| Lens Ø: | 175mm / 7” |



**Surface temperature comparison:**




Infrared picture: f.l.t.r.:
Studio Ceramic 250, Studio 1000, ARRI 1000 Plus

## Accessories

| | |
|---|---|
| 4-leaf barndoor, black, 245 mm | L2.79870.0 |
| 8-leaf barndoor, black, 245 mm | L2.79900.0 |
| 4-leaf barndoor, outsides silver, 245 mm | L2.79871.0 |
| Filter frame, 229 mm | L2.79890.0 |
| Scrim Set, full double, half double, full single, half single, 230 mm/9” | L2.88914.0 |
| Snoot, 245 mm | L2.79880.0 |
| Chimera-Adapter 245 mm (9 5/8”) | L2.76248.0 |
| Chimera Light Bank Video Pro „S“, 60x80 cm | L2.70844.0 |
| Chimera Light Bank Video Pro „M“, 90 x 120 cm | L2.70940.0 |
| Retrofit Slide-in-frame with top cover | L2.83091.0 |
| Retrofit Slide-in-frame without top cover | L2.74391.0 |
| Retrofit „Short Brackets“ to avoid spill-light | L2.80388.0 |
| Lamp MSR 250 HR, SE/GZY 9,5 (5600 K) | L2.86262.0 |
| Lamp Ceramic ST 250 HR (3200 K) / 4000hrs. | L2.86252.E |

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L5.90132.0