

Specifications

This section lists specifications for the Cyberlight family of fixtures.

Model and Part Numbers

- **Models:** Cyberlight, Cyberlight CX, Cyberlight SV
- **Manufacturer:** Lightwave Research
High End Systems, Inc.
2217 W. Braker Lane
Austin, Texas, 78758
USA
- **Product Numbers:** CL Litho
CX Litho
SV Litho

Physical Specifications

- **Fixture weight:** 42.23 kg (92.9 lb) for Cyberlight
39.77 kg (87.5 lb) for Cyberlight CX
44.32 kg (97.5 lb) for Cyberlight SV
- **Yoke weight:** 1.27 kg (2.8 lb)
- **Total fixture weight:** 45.6 kg (95.7 lb) Cyberlight
41.04 kg (90.3 lb) Cyberlight CX
45.59 kg (100.3 lb) Cyberlight SV
- **Dimensions (CL and CX):** cm: 106.7 L x 33.0 W x 31.7 H
in: 42.0 L x 13.0 W x 12.48 H
- **Dimensions (SV):** cm: 106.7 L x 33.0 W x 36.6 H
in: 42.0 L x 13.0 W x 14.41 H
- **Dimensions with handles (all models):**
add 5.08 cm (2 in) to length
and 7.62 cm (3 in) to width
- **Lamp type:** Use 1200 W, G-22 Base, MSR 1200 or MSD 1200 Metal Halide Lamp Only

Electrical Specifications

- **Voltage selectable:** 208V / 230V only
- **Power consumption:** 6.3/6.3A
- **Rated power:** 1300W
- **Rated frequency:** 50-60Hz
- **Power Factors:** 230V, 50Hz: 0.85
208V, 60Hz: 0.97



- (1) **Class I equipment - For continued protection against electric shock connect this equipment to an earthed (grounded) power source only.**
- (2) **This equipment for connection to branch circuit having a maximum overload protection of 20 A.**

Safety Standards

- Safety standards
 - EN 60598-1 : 1993
 - EN 60598-2-17 : 1989
A1-A3 : 1993
- EMC Standards
 - EN 50081-1 : 1992
 - EN 50082-1 : 1992

Safety Specifications

- Maximum ambient temperature: 50° C (122° F)
- Maximum exterior surface temperature: 62° C (144° F)
- Minimum distance to lighted object: 1.0 m (3.28 ft.)
- Minimum distance to flammable objects: 1.0 m (3.28 ft.)
- Maximum winding temperature, Tw: 180° C (356° F)
- Maximum capacitor temperature, Tc: 85° C (185° F)



- **Do not mount on a flammable surface.**
- Not for residential use.
- Use in dry locations only.



Cables and Connectors

- **DMX data cables:** Belden[®] 9841 or equivalent (meets specifications for EIA RS-485 applications) with characteristics listed below:
 - 2-conductor twisted pair plus a shield
 - maximum capacitance between conductors - 30 pF/ft.
 - maximum capacitance between conductor and shield - 55 pF/ft.
 - maximum resistance of 20 Ω /1000 ft.
 - nominal impedance 100–140 Ω
 - 22–24 AWG with insulation having a dielectric rating of 300 volts or higher
- **DMX data connectors:** Standard 3-pin male and female XLR connectors
- **DMX data terminators:** Male XLR connector with 120 ohm terminator (see Chapter 2)