

# **CHKISTIE<sup>®</sup>**

## **XENOLITE<sup>®</sup> LAMP**

## **INFORMATION**

## **SHEET AND**

## **CHAMPION LAMP**

## **WARRANTY**

**Effective date:** July 1, 2021

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# Xenolite® Lamp Information

Christie Xenolite lamps are of very high quality and any failure is unlikely. If a lamp has failed, a service technician should check the system and operating practices to make sure that the lamp is being used properly.

## Warning<sup>1</sup>

- › This Xenon high pressure, short-arc lamp has been manufactured to the highest quality standards, and has been carefully tested and inspected. However, the lamp is under high internal pressure and should therefore be handled with care.
- › The protective cover must be left on the lamp during handling and installation. A protective face mask, clothing and gloves with cuff should be worn when the lamp cover is removed or replaced.<sup>2</sup>
- › The possibility of high pressure lamps exploding increases with age.
- ⊗ Do not operate the lamp in close proximity to paper, cloth or other combustible material, nor cover it with such materials, even immediately after it is turned off. Otherwise it could cause a fire.
- ⊗ As the lamp is filled with high pressure Xenon gas, do not hit the lamp against anything, apply excessive stress or scratch the lamp. Otherwise, it could cause an injury if it bursts.
- ⊗ The lamp must be operated in a splinter-scatter-proof lamp house. Do not open the lamp house while the lamp is operating or immediately after it is turned off; otherwise, it could cause an injury if it bursts.
- ⊗ Do not touch the lamp while it is operating or immediately after it is turned off because it is extremely hot. Otherwise, it could cause a burn.
- ⊗ Do not operate the lamp in an atmosphere containing a flammable substance such as gasoline, spray containing volatiles, thinner, lacquer or dust. Otherwise, it could cause a fire or an explosion.
- › As the lamp is filled with high pressure Xenon gas, it must be kept in the provided protective case when transporting, storing or disposing. Otherwise, it could cause an injury if it bursts.

- › The lamp that has been used for the rated service life is more likely to break and burst because of the deteriorated glass condition. Therefore, follow the instructions for replacement and disposal of the used lamp. Otherwise, it could cause injury if it bursts.
- › Wear a protective mask, protective gloves and a thick, long sleeved shirt when the lamp is handled or installed and removed to/from the lamp house.<sup>2</sup>

***The protective mask which covers the carotid must be made with thicker than 2 mm polycarbonate or another material with same strength or more<sup>2</sup>.***

- › Gloves and a thick, long-sleeved shirt must be made with rip-proof and pierce-proof material like aramid fiber. Otherwise, it could cause an injury if the lamp bursts.<sup>2</sup>
- › Operate the lamp in the proper position. Otherwise, it could cause overheating of the lamp house, lamp breakage, or short lamp life.
- › Thoroughly ventilate the area or the room when operating the lamp in an oxygen atmosphere (in air), except in the case of ozone-free lamps. If ozone is inhaled, it could cause headaches, nausea or dizziness.
- › Turn off the electrical power before installing, removing or cleaning the lamp house. Otherwise, it could cause electrical shock.
- › During operation the lamp emits intense UV radiation which is harmful to the eyes and skin. Do not look directly or indirectly at the operating lamp. Otherwise, it could cause eye aches or eyesight problems.
- › Do not directly or indirectly expose your skin to the lamp light; otherwise, it could cause inflammation of the skin.

## Important operation notes<sup>1</sup>:

The lamp must be operated under the specified use conditions such as lamp wattage/current, lamp voltage, and cooling condition. Keep the lamp base temperature below 200°C or maximum temperature if specified by following cooling conditions designated.

# Xenolite® Lamp Information (continued)

## Handling

- › When the lamp is soiled with fingerprints by touching the glass envelope with bare hands or dust, clean it with alcohol-soaked cloth. Otherwise, it could burst or shorten lamp life.
- › Do not subject the lamp to vibration or shock. Otherwise, it could burst or shorten lamp life.

## Installation

- › Install the lamp in the correct polarity. Otherwise, it could burst, cause overheating of the lamp house or shorten lamp life.
- › Do not apply excessive stress such as twisting or bending when installing the lamp. Otherwise, it could cause an injury if it bursts.
- › Do not use any tools to tighten connections when fixing the lamp, use only hands. Otherwise, it could cause breakage.
- › Fix the lamp and its lead wire firmly to the terminals. Before fixing, make sure that there is no rust, burning or discoloration where electrical connections are made between the lamp and the lamp house. Otherwise, it could cause overheating by poor electrical connection.
- › Install the lamp with the protective cover. Be sure to remove the protective cover from the lamp after installation.
- › Cover the lamp with the protective cover before removing the lamp from the lamp house. Otherwise, it could cause an injury if the lamp bursts.

## Operation

- › Do not open the lamp house for at least 10 minutes after the lamp is turned off. Otherwise, it could cause an injury if it bursts.
- › Remove the lamp from the lamp house after making sure it has been turned off for more than 15 minutes and the lamp and lamp house have cooled down. Otherwise, it could cause an injury or burn if the lamp bursts.

Use a suitable lamp house and power supply (ballast). Operate a lamp in the range of wattage designated.

## Storage

- › Store the lamp under the following conditions: Temperature: -25~65°C, Humidity: 20~95%RH, without condensation.

## Disposal

- › The used lamp must be kept in the provided protective case until disposal by breaking the glass part. Otherwise, it could cause injury.
- › The lamp is filled with high pressure Xenon gas. Disposal without breaking the glass part may result in lamp burst. Follow the instructions below to prevent harmful repercussions:

**WEAR A PROTECTIVE MASK, PROTECTIVE GLOVES AND A LONG-SLEEVED SHIRT WHEN HANDLING THE LAMP.<sup>2</sup>**

1. The used lamp must be kept in the provided protective case; the case must be securely locked by the case latch.
2. Place the used lamp in the protective case into the provided box. Firmly attach the tape of the paper case to make certain the case will not open when the lamp is dropped.
3. From about one (1) meter in height, drop the provided box, with the lamp and protective case inside, onto a hard floor.
4. Shake the box to determine if the lamp is broken.
5. Dispose of as industrial waste. Dispose separately where metal and glass must be disposed of separately.

1. Refer to "Christie Xenolite® lamps and Christie Solaria™ Series Projectors—Usage Best Practices" for more information  
[www.christiedigital.com/xenolite-lamps](http://www.christiedigital.com/xenolite-lamps)

2. Special protective clothing is available from Christie—P/N: 598900-095

# Champion Lamp Warranty

## Warranty

› Christie warrants to the first end user of a Lamp for its own use outside of the Christie group of companies, whether such end user is a purchaser, lessee or licensee that the Lamp will be free from defects in materials and workmanship for the applicable warranty period specified in

the warranty table below. The warranty period for a Lamp commences from the date of manufacture for the lamp and continues until the earlier of (i) five years after the manufacture date and (ii) the applicable warranty hours of use specified below:

**Warranty Table**

Usage	Lamp	Warranty Hours of Use	Operating Wattage Range (WDC)
Digital Projection	CDXL-14M	3,000	1,000 - 1,430 W
	CDXL-16M	3,000	1,000 - 1,600 W
	CDXL-18SD	1,750	1,260 - 1,800 W
	CDXL-19SC	1,500	1,610 - 1,900 W
	CDXL-19SUP	1,900	1,610 - 1,900 W
	CDXL-20	2,400	1,400 - 2,000 W
	CDXL-20LB	2,400	1,400 - 2,000 W
	CDXL-20SD	1,000	1,400 - 2,000 W
	CDXL-20SP	3,200	1,400 - 2,000 W
	CDXL-21S1	1,000	1,610 - 2,100 W
	CDXL-21SUP	1,500	1,610 - 2,100 W
	CDXL-23S	700	1,610 - 2,300 W
	CDXL-23SUP	900	1,610 - 2,300 W
	CDXL-30	1,500	2,100 - 3,000 W
	CDXL-30SD	1,000	2,100 - 3,000 W
	CDXL-30SP	1,900	2,100 - 3,000 W
	CDXL-30SUP	1,500	2,100 - 3,000 W
	CDXL-45	1,000	3,150 - 4,500 W
	CDXL-45SP	1,300	3,150 - 4,500 W
	CDXL-60	600	4,200 - 6,000 W
	CDXL-60SP <sup>1</sup>	800	4,200 - 6,000 W
	CDXL-60UP	1,000	4,200 - 6,000 W
	CDXL-70	350	5,600 - 8,000 W

## Champion Warranty Lamp (continued)

### Warranty exclusions

This warranty does not cover problems or damage to the Lamp:

- a. occurring during shipment;
- b. caused by combination of the Lamp with non-Christie equipment;
- c. if the Lamp was purchased or obtained from an unauthorized distributor of Christie lamps including, without limitation, any distributor offering Christie lamps through the internet (confirmation of authorized distributors may be obtained from Christie);
- d. caused by misuse, negligence, improper power source, accident, fire, flood, lightening, earthquake or other natural disaster;
- e. occurring during unpacking or installation or caused by improper handling, installation/alignment, or by Lamp or projector modification, if by other than Christie service personnel or a Christie authorized repair service provider;
- f. caused by use of the projector or Lamp in any manner in contravention of Christie's use specifications for such projector or Lamp (including, without limitation, any use specifications in respect of cooling and electrical wattage as may be specified in such use specifications); or
- g. caused by normal wear and tear or otherwise due to normal aging of the projector or Lamp.

This warranty does not cover problems or damage to the projector containing the defective Lamp other than an explosion of the defective Lamp causing damage to the following projector parts: (i) Lamp reflector mirror or mirror set parts; (ii) integrator rod; and (iii) UV filter (the "Affected Parts").

### Warranty procedures

This warranty does not cover problems or damage to the Lamp:

- a. issue a credit to the end user for the defective Lamp based on Christie's invoice price for such Lamp that the end user may use to purchase new Lamps from Christie or a Christie reseller; and
- b. replace the Affected Parts if the Affected Parts are shipped at the end user's expense to the Christie Office, as Christie may direct.

This warranty does not obligate Christie to provide any onsite warranty service at the projector site location.

If the Lamp was acquired directly from Christie, the warranty claim relating to that Lamp and the Affected Parts must be submitted directly to the Christie office through which the Lamp was acquired. The address of any such Christie office may be obtained from Christie upon request.

If the Lamp was acquired from a Christie reseller, the warranty claim relating to that Lamp and the Affected Parts must be submitted to such reseller; provided, however, that if such reseller has ceased to conduct business for any reason, the end user may submit any warranty claim relating to that Lamp and the Affected Parts directly to Christie Digital Systems USA Inc., Attention Customer Care, 10550 Camden Drive, Cypress, California 90630, USA

To make a claim under this warranty, please complete Christie's Lamp Warranty Claim Form and submit it within one month after the Lamp failed together with photographs of the Lamp and, if applicable, Affected Parts and, if requested by Christie, projector log files. Christie may, at its discretion require that the failed Lamp and Affected Parts be returned to Christie, in which case the Lamp (including all metal parts and as many glass pieces as possible if the glass is broken) and Affected Parts must be shipped at the end user's expense to the Christie office, as Christie may direct.

No Lamp or Affected Part may be returned without obtaining an RMA (return material authorization) number from Christie. If a Lamp or Affected Part is returned to Christie without first obtaining an RMA number, the Lamp may be returned to the end user at end user's expense. To obtain an RMA number, an RMA request form must be submitted to Christie at the location where the warranty claim is submitted. Christie may require the end user to provide proof of purchase (including date) in form and substance satisfactory to Christie before issuing an RMA number or before replacing any Lamp or Affected Part under this warranty. Upon the issuance of an RMA number, Christie will specify the location to where the Lamp is to be returned. All returned Lamps and Affected Parts must be properly packaged for shipment (in original packaging if possible). Lamps and Affected Parts returned with no fault found will be subject to an evaluation fee. Christie will bear the cost of returning the replacement Lamps and Affected Parts to the end user, except that the end user will be responsible for payment of any applicable customs duties on any international shipment.

This warranty may be supplemented or modified by other programs offered by Christie, if applicable, or by express written agreement with Christie. This warranty does not apply to obsolete or other lamps offered for sale by Christie under special programs which specify shorter warranty periods or different warranty terms from those specified in this warranty.

## Champion Warranty Lamp (continued)

### Disclaimer

EXCEPT AS OTHERWISE EXPRESSLY AGREED BY CHRISTIE IN WRITING, THIS WARRANTY APPLIES IN LIEU OF ANY AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, AND CHRISTIE MAKES NO OTHER REPRESENTATIONS, WARRANTIES OR CONDITIONS, WRITTEN, ORAL OR STATUTORY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OR CONDITION OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, ALL OF WHICH OTHER WARRANTIES OR CONDITIONS ARE HEREBY EXPRESSLY

DISCLAIMED AND EXCLUDED TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, CHRISTIE WILL HAVE NO LIABILITY FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES, INCLUDING WITHOUT LIMITATION LOST REVENUES OR PROFITS, WHETHER OR NOT CHRISTIE HAS BEEN ADVISED THAT ANY SUCH DAMAGES MAY OCCUR.

1"CDXL-60SP" model lamp has special warranty conditions when used in Christie series one digital cinema projectors. Contact Tech Support for details.

## Champion Lamp Warranty Claim Form

### Do not return defective lamp unless requested

To make a warranty claim, contact the reseller where the Lamp was purchased

- › Fill out all information below. If this form is incomplete or the information is incorrect, the claim may be rejected.
- › Submit this completed form along with three photos of the Lamp detailing 1) Lamp envelope electrodes and 2) a separate photo of each end connector.
- › TECH SUPPORT may request log files from the projector for the time period when the Lamp failed if this is needed to clarify the case.
- › TECH SUPPORT may also request the defective Lamp and any Affected Parts to be sent to Christie for analysis if needed to clarify the case.

### Photos of the Lamp

To make a warranty claim, contact the reseller where the Lamp was purchased

- › Good quality clear photos of the lamp envelope, electrodes, and separate photos of lamp end connectors will be accepted in most cases in lieu of returning the lamp.
- › It is helpful to position the model/serial number label of the corresponding lamp box in the background of the pictures so reference can be made clearly.

## Champion Lamp Warranty Claim Form (continued)

Required Fields *	Complete This Area	Example / Instruction
Lamp Model*:		Similar to: <b>CDXL-20</b>
Lamp Serial Number*:		Similar to: <b>YDKF1234</b>
Purchased From*:		Business name from your invoice
Date of Purchase*:		Invoice date from your invoice
Projector Model*:		Model of projector that the lamp was used in when it failed › Similar to: <b>CP2220</b>
Projector Serial Number*:		Serial number from the projector that the lamp was used in when it failed › Similar to: <b>242001234</b>
Lamp Hours*:		Number of operation hours accumulated on the lamp
Defect Date:		Date when the lamp failed
Run Watts*:		DC Wattage that lamp was run at when (or just before) it failed › This is the lamp DC run Watts from the projector TPC lamp info page
3D Application:		If the projector was used for 3D presentations, what model of 3D system was used? › Dolby 3D, Master Image, RealD XL, RealD Z, XPAND, Other
Disposition of Lamp:		What did the lamp look like when it was removed? One or more of the following: 1. Exploded/broken 2. Envelope dark but clear enough to see through 3. Envelope completely clouded over (black, white, grey, blue, and so on) 4. End connectors or cables burnt or discolored (black, blue, and so on)
Reason lamp was removed*: (VERY IMPORTANT!)		Completely explain why lamp was removed. Include all relevant details. › Ignition difficulty › Flicker › Other—explain



## Champion Lamp Warranty Claim Form (continued)

Required Fields *	For proper handling of claim, it is important that this form be completed with as much information as possible, including the following:
Christie Call Log Number:	
Date:	
Your Name*:	
Your E-Mail Address:	
Your Company Name*:	
Your Company Phone Number:	
Your Company Address:	
City:	
State:	
Postal Code:	
Cinema Name:	
Screen / Booth Number:	

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For the most current specification information, please visit [christiedigital.com](http://christiedigital.com)

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