

# Product Safety Guide

020-102493-01

## CP2308-C



# Important Safety Information

Read this document carefully before installing or operating the CP2308-C. Store the document in a location close to the CP2308-C for future reference.

## Fire and Shock Hazard



To prevent fire or shock hazards, do not expose this product to rain or moisture.



Do not alter the power plug, overload the power outlet, or use it with extension cords.

Do not remove the product enclosure.

Only Christie qualified technicians are authorized to service the product.

## Electrical Hazard



Risk of electric shock.

Do not remove the product enclosure.

Only Christie qualified technicians are authorized to service the product.

## Notation

Learn the hazard and information symbols used in the product documentation.



Danger messages indicate a hazardous situation which, if not avoided, results in death or serious injury.



Warning messages indicate a hazardous situation which, if not avoided, could result in death or serious injury.



Caution messages indicate a hazardous situation which, if not avoided, could result in minor or moderate injury.



Notice messages indicate a hazardous situation which, if not avoided, may result in equipment or property damage.



Information messages provide additional information, emphasize or provide a useful tip.

## Product labels

Learn about the labels that may be used on the product. Labels on your product may be yellow or black and white.

## General hazards



General hazard.



Electric shock hazard. To avoid personal injury, disconnect all power sources before performing maintenance or service.



Electrocution hazard. To avoid personal injury, always disconnect all power sources before performing maintenance or service procedures.



Fire hazard. To avoid personal injury and property damage, follow the instructions provided in this document.



Hot surface hazard. To avoid personal injury, allow the product to cool for the recommended cool down time before performing maintenance or service.



Burn hazard. To avoid personal injury, allow the product to cool for the recommended cool down time before performing maintenance or service.



Explosive material hazard. To avoid personal injury, disconnect all power sources before performing maintenance or service, and wear Christie-approved protective clothing.



Bright light hazard. To avoid personal injury, never look directly at the light source.



Pinch hazard. To avoid personal injury, keep hands clear and loose clothing tied back.



Fan hazard. To avoid personal injury, keep hands clear and loose clothing tied back. Always disconnect all power sources before performing maintenance or service procedures.



Voltage hazard. To avoid personal injury, always disconnect all power sources before performing maintenance or service procedures.



Do not operate the product at an altitude exceeding 2000 m.



Not for household use.

**Mandatory action**



Disconnect all power sources before performing maintenance or service procedures.



Consult the service manual.



Disconnect all power sources before performing maintenance or service procedures.

**Electrical labels**



Indicates the presence of an earth ground.

**Additional hazard labels**

Learn about additional labels that appear on the product.

	<b>Risk Group 3 / Groupe de risque 3 / 三类危害</b>
	<b>WARNING:</b> Thermal Radiation emitted from this product may cause burns. Classified per IEC 62471-2
	<b>AVERTISSEMENT:</b> le rayonnement thermique émis par ce produit peut causer des brûlures. Classé par IEC 62471-2
	<b>警告：</b> 该产品的热辐射可能导致灼伤 按照IEC62471-2分类

Indicates thermal radiation emitted from the product may cause burns.

	<b>Risk Group 3 / Groupe de risque 3 / 三类危害</b>
	<b>WARNING:</b> Possibly hazardous optical radiation emitted from this product. Classified per IEC 62471-2.
	<b>AVERTISSEMENT:</b> Ce produit émet un rayonnement optique potentiellement dangereux. Classé par IEC 62471-2.
	<b>警告：</b> 该产品可能会产生危害性的光辐射。按照IEC62471-2分类。

Indicates possible optical radiation emitted from the product.

**Important safeguards**

To prevent personal injury and to protect the device from damage, read and follow these safety precautions.

**General safety precautions**

Read all safety and warning guidelines before installing or operating the projector.



**Warning!** Failure to comply with the following could result in death or serious injury.

- TRIP OR FIRE HAZARD! Position all cables where they cannot contact hot surfaces, be pulled, be tripped over, or damaged by persons walking on or objects rolling over the cables.
- For protection from ultraviolet radiation, keep all product housings intact during operation.
- UV EXPOSURE! Protective UV safety glasses with side shields and Christie approved protective safety clothing must be worn when performing optical adjustments or servicing the product.
- FIRE AND SHOCK HAZARD! Use only the attachments, accessories, tools, and replacement parts specified by Christie.
- FIRE HAZARD! Do not use a power cord, harness, or cable that appears damaged.
- A minimum of four people or appropriately rated lift equipment is required to safely lift, install, or move the product.



**Caution!** Failure to comply with the following could result in minor or moderate injury.

- Only Christie qualified technicians are permitted to open product enclosures.

**Lamp safety precautions**

Read all safety and warning guidelines before installing the projector lamp.



**Warning!** Failure to comply with the following could result in death or serious injury.

- This procedure must be performed by Christie qualified technicians.
- EXPLOSION HAZARD! Always wear manufacturer approved protective safety clothing (gloves, jacket, face shield) whenever the lamp door is open or when handling the lamp. Any local or federal specifications take precedence over Christie's protective clothing recommendations.
- Do not open the lamp door while the lamp is on.
- EXPLOSION HAZARD! Allow sufficient time for the lamp to cool down before powering down the product, disconnecting it from AC, and opening the lamp door.
- EXPLOSION HAZARD! Do not stress the glass of a lamp or bare bulb in any way.
- EXPLOSION HAZARD! Lamps and bare bulbs, even when packaged, may explode if dropped or mishandled.
- EXPLOSION HAZARD! Handle a lamp by the cathode and anode end shafts only. Do not handle the lamp by the glass.
- EXPLOSION HAZARD! Do not over-tighten the lamp.
- Do not look directly into the lens or at the lamp. The extremely high brightness can cause permanent eye damage.

- FIRE HAZARD! Keep hands, clothes, and all combustible material away from the concentrated light beam of the lamp.



**Caution!** Failure to comply with the following could result in minor or moderate injury.

- Improper installation of the lamp can damage the projector.
- Incorrect lamp power supply and igniter connections can damage the product.

### Light intensity hazard

This projector has been classified as Risk Group 3 as per the IEC62471 standard due to possible hazardous optical and thermal radiation being emitted.



**Warning!** Failure to comply with the following could result in serious injury.

- PERMANENT/TEMPORARY BLINDNESS HAZARD! No direct exposure to the beam must be permitted.
- PERMANENT/TEMPORARY BLINDNESS HAZARD! Operators must control access to the beam within the hazard distance or install the product at the height (greater than or equal to 2.0 m from the floor to the beam) that prevents exposure of spectators' eyes within the hazard distance.
- EXTREME BRIGHTNESS! Do not place reflective objects in the product light path.

### AC power precautions

Learn the safety precautions related to AC power.



**Warning!** Failure to comply with the following could result in death or serious injury.

- SHOCK HAZARD! A dedicated, protected ground or earth wire must be installed on the product by Christie qualified technicians or electricians before it can be connected to power.
- SHOCK HAZARD! Only use the AC power cord provided with the product or recommended by Christie.
- FIRE AND SHOCK HAZARD! Do not attempt operation unless the power cord, power socket, and power plug meet the appropriate local rating standards.
- SHOCK HAZARD! The AC power cord must be inserted into an outlet with grounding.
- SHOCK HAZARD! Do not attempt operation if the AC supply is not within the specified voltage and power range, as specified on the license label.
- SHOCK HAZARD! Disconnect the product from AC before moving, servicing, cleaning, removing components, or opening any enclosure.
- The appliance coupler and main power supply plug must be easily accessible for disconnecting the product from the power source.



**Caution!** Failure to comply with the following could result in minor or moderate injury.

- Only Christie qualified technicians are permitted to open product enclosures.
- Install the product near an easily accessible AC receptacle.
- For products containing surge suppressors, you must adhere to the installation and power requirements.

### Installation and Power Requirements

The protected earth wire must be green/yellow 12 AWG minimum.

You must use a 20A branch circuit breaker for Input A.

### Power specifications

Learn the power requirements for the projector.

#### AC input (A)

Item	Description
Voltage range	200 - 240 VAC
Line frequency	50/60 Hz nominal
Inrush current	100 A (at 240 VAC)
Current consumption	16 A maximum (at 200 VAC)
Power consumption	3200 W maximum
Current rating of AC input	IEC-320-C19/20 A

#### UPS AC input (B)




Item	Description
Activation	Discrete switch above the power inlet cord(s)
UPS inlet connector (rating for powering main electronics)	IEC-320-C13/10 A, 240 VAC
UPS type	Universal 100-240 VAC
Line frequency	50/60 Hz nominal
Current consumption	4 A maximum (at 100 VAC)

### Technical support

- North and South America: +1-800-221-8025 or Support.Americas@christiedigital.com
- Europe, Middle East, and Africa: +44 (0) 1189 778111 or Support.EMEA@christiedigital.com
- Asia Pacific: +65 6877-8737 or Support.APAC@christiedigital.com
- Christie Managed Services: +1-800-550-3061 or NOC@christiedigital.com






# 重要安全信息

在安装或操作 CP2308-C 之前，请仔细阅读此文档。请将此文档存放在 CP2308-C 产品附近，以便用作将来参考。

火灾与电击危险	
	为防止火灾或电击危险，请勿使本产品接触雨水或湿气。
	请勿改动电源插头、使电源插座过载或将其与延长线一起使用。
	请勿拆下产品外壳。
	仅 Christie 合格技师有权对本产品进行维修。
触电危险	
	本品有电击风险。
	请勿拆下产品外壳。
	仅 Christie 合格技师有权对本产品进行维修。

## 符号



了解产品文档中所使用的危险和信息符号。

-  危险消息指出如不可避免一旦发生将会导致死亡或造成重伤的危险情况。
-  警告消息指出如不可避免一旦发生可能会导致死亡或造成重伤的危险情况。
-  警示消息指出如不可避免一旦发生将会导致轻伤或造成中度伤害的危险情况。
-  通知消息指出如不可避免一旦发生将会导致设备损坏或财产损失的危险情况。
-  信息消息提供附加信息，以强调或提供有用的提示。

## 产品标签




了解产品中所使用的标签。您的产品标签可能为黄色或黑色与白色。

## 常规危险

-  常规危险。
-  电击危险。为避免受到人身伤害，在进行维护或维修前，请断开所有电源连接。

-  触电危险。为避免受到人身伤害，在进行维护或维修前，请始终断开所有电源连接。
-  火灾危险。为避免受到人身伤害和财产损失，请遵守本文档中的说明。
-  高温表面危险。为避免受到人身伤害，在进行维护或维修前，请按建议的冷却时间对投影机进行冷却。
-  灼伤危险。为避免受到人身伤害，在进行维护或维修前，请按建议的冷却时间对投影机进行冷却。
-  易爆物品危险。为避免受到人身伤害，在进行维护或维修前，请断开所有电源连接，并且穿着经 Christie 许可的防护服。
-  强光危险。为了避免受到人身伤害，决不要直视光源。
-  夹伤危险。为避免受到人身伤害，请勿用手触摸，并将宽松衣物扎在身后。
-  风扇危险。为避免受到人身伤害，请勿用手触摸，并将宽松衣物扎在身后。在进行维护或维修前，请始终断开所有电源连接。
-  电压危险。为避免受到人身伤害，在进行维护或维修前，请始终断开所有电源连接。
-  请勿在海拔超过 2000 m 的地区操作产品。
-  不适合家庭使用。

## 必要操作

-  在执行维护或维修操作前，请断开所有电源连接。
-  请参考维修手册。
-  在执行维护或维修操作前，请断开所有电源连接。



## 电气标签



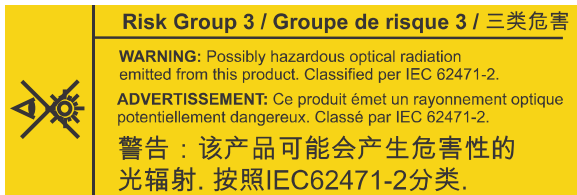
表示存在接地连接。

## 其他危险标签

了解产品中出现的其他标签。



表示本产品散发的热辐射可能会造成灼伤。



表示本产品可能会散发出光辐射。

## 重要的安全防护措施

为防止人身伤害和设备受损，请阅读并遵循以下安全警告信息。

### 一般安全警告信息

请在安装和操作投影机之前阅读所有安全和警告指南。



**警告！** 若未能遵从以下事项，则可能导致死亡或重伤。

- 绊倒或火灾危险！请将所有电缆置于不接触热表面、不被拖拉、羁绊、不被人踩踏或物体滚压的位置。
- 为了避免紫外辐射，请在工作时保持所有产品外壳完整。
- 紫外线照射！在执行光学调整或维修产品时必须佩戴具有边罩的防紫外线安全眼镜，穿着经 Christie 批准的安全防护服。
- 火灾与电击危险！仅限使用 Christie 规定的附件、配件、工具和替换部件。
- 火灾危险！请勿使用出现损坏的电源线。
- 想要安全提升、安装或移动产品，至少需要四个人或额定值适当的起重设备。



**当心！** 若未能遵从以下事项，则可能导致轻度或中度伤害。

- 仅 Christie 合格技师有权打开产品外壳。

### 灯泡安全警告信息

请在安装投影机灯泡之前阅读所有安全和警告指南。



**警告！** 若未能遵从以下事项，则可能导致死亡或重伤。

- 此程序必须由 Christie 合格技师来执行。
- 爆炸危险！每当灯泡室门打开或取握灯泡时，应始终穿戴经制造商批准的防护服（手套、上衣、面罩）。所有本地或联邦规定都优先于 Christie 的防护服建议。
- 请勿在灯泡亮起时打开灯泡室门。
- 爆炸危险！在关闭本产品、切断其电源连接和打开灯泡室门之前，请允许灯泡具有充分的时间进行冷却。
- 爆炸危险！不要以任何方式对灯泡或裸灯泡玻璃施加压力。
- 爆炸危险！如果掉落或取握不当，灯泡和裸灯泡（即使在包装内）可能会爆炸。
- 爆炸危险！仅通过阴极和阳极端柱取握灯泡。不要通过玻璃取握灯泡。
- 爆炸危险！请不要过度拧紧灯泡。
- 请勿直视镜头或灯泡。极高的亮度可能会导致永久性的眼睛损伤。
- 火灾危险！请将手、衣物和所有可燃材料远离灯泡的高强度聚光束。



**当心！** 若未能遵从以下事项，则可能导致轻度或中度伤害。

- 灯泡安装不当可能会损坏投影机。
- 灯泡电源和启辉器连接不当可能会损坏产品。

### 亮度危险

此投影机可能会发出危险的光辐射和热辐射，根据 IEC62471 标准分类为“危害等级 3”。



**警告！** 若未能遵从以下事项，则可能导致重伤。

- 永久性/暂时性致盲危险！不允许直接暴露在光束中。
- 永久性/暂时性致盲危险！操作员必须将对光束的接触控制在危险距离内并将产品安装在可防止观察者眼睛在危险距离内接触光束的高度（地面到光束的距离高于或等于 2.0m）。
- 强光！请勿将反射体放置在产品光路下。

### 交流电源警告信息

了解与交流电源相关的安全警告信息。



**警告！** 若未能遵从以下事项，则可能导致死亡或重伤。

- 电击危险！在将投影机连接至电源前，必须由合格的 Christie 技师或电工为产品安装专用的保护接地线。
- 电击危险！仅限使用随产品提供的或由 Christie 推荐的交流电源线。
- 火灾与电击危险！除非电源线、电源插座和电源插头都满足相应的当地额定值标准，否则请勿尝试运行本系统。
- 电击危险！交流电源线必须插入到接地保护的电源插座中。
- 电击危险！如果交流电源不在许可标签上指定的额定电压和功率范围内，请勿尝试操作。

- 电击危险！在移动、维修、清洁、取下组件或打开任何外壳之前，请断开产品上的交流电源。
- 电器耦合器和主电源插头必须易于触及，以便断开产品的电源。



**当心！** 若未能遵从以下事项，则可能导致轻度或中度伤害。

- 仅 Christie 合格技师有权打开产品外壳。
- 将产品安装在便于接触的交流电源插座附近。
- 对于内含浪涌抑制器的产品，您必须遵守安装和电源要求。

- Christie 托管服务: +1-800-550-3061 or NOC@christiedigital.com

### 安装和电源要求

保护接地线必须最小为 12 AWG 的绿色/黄色线缆。

必须对输出 A 使用 20A 分支电路断路器。

## 电源规格

了解投影机的电源要求。

### 交流输入 (A)

项目	说明
电压范围	200 - 240 V 交流
线路频率	额定 50/60 Hz
浪涌电流	100 A (240 V 交流下)
电流消耗	最大 16 A (200 V 交流下)
功率消耗	最大 3200 W
输入交流电源的额定电流	IEC-320-C19/20 A

### UPS 交流输入电源 (B)

项目	说明
激活	电源插孔线缆上方的离散开关
UPS 插孔连接器 (额定标准适用于主要电子元件供电)	IEC-320-C13/10 A, 240 V 交流
UPS 类型	通用 100-240 V 交流
线路频率	额定 50/60 Hz
电流消耗	最大 4 A (100 V 交流下)

## 技术支持

- 北美洲和南美洲: +1-800-221-8025 or Support.Americas@christiedigital.com
- 欧洲、中东和非洲: +44 (0) 1189 778111 or Support.EMEA@christiedigital.com
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