

CP2230 Setup Guide Light Hazard Addendum

This document is an addendum to the CP2230 Setup Guide (P/N: 020-100515-XX).

Light intensity hazard distance

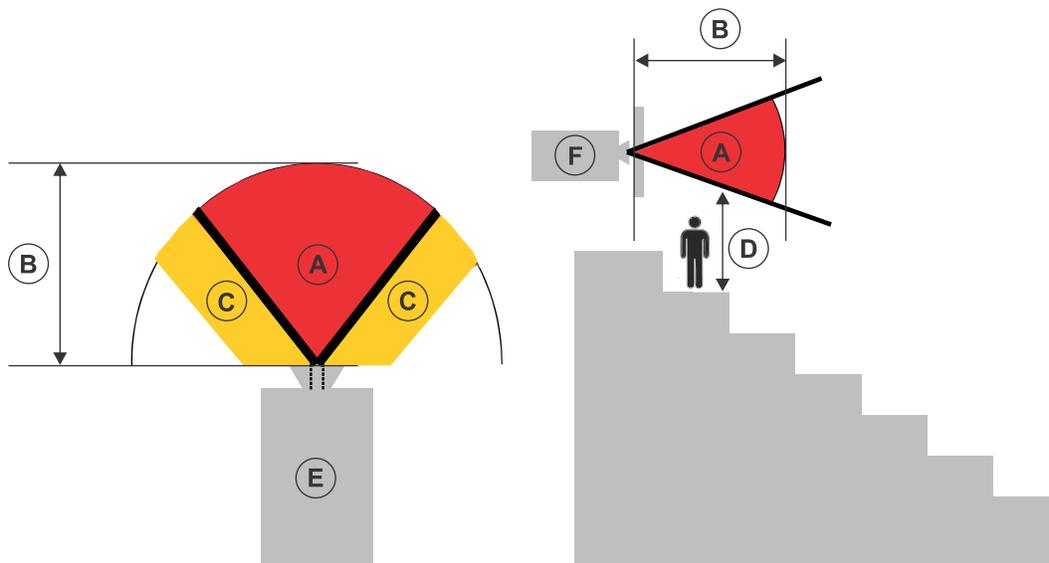
This projector has been classified as Risk Group 3 as per the IEC 62471-5:2015 standard due to possible hazardous optical and thermal radiation being emitted.



Warning! If not avoided, the following could result in serious injury.

- PERMANENT/TEMPORARY BLINDNESS HAZARD! No direct exposure to the beam must be permitted. Risk Group 3 according to IEC 62471-5:2015.
- PERMANENT/TEMPORARY BLINDNESS HAZARD! Operators must control access to the beam within the hazard distance or install the product at the height that prevents exposure of spectators' eyes within the hazard distance. The hazard zone must be no lower than 2.5 meters (US installations) or 2.0 meters (global installations) above any surface upon which any persons are permitted to stand and the horizontal clearance to the hazard zone must be a minimum 1.0 meters.
- EXTREME BRIGHTNESS! Do not place reflective objects in the product light path.

The following show the zones for ocular and skin hazard distances.



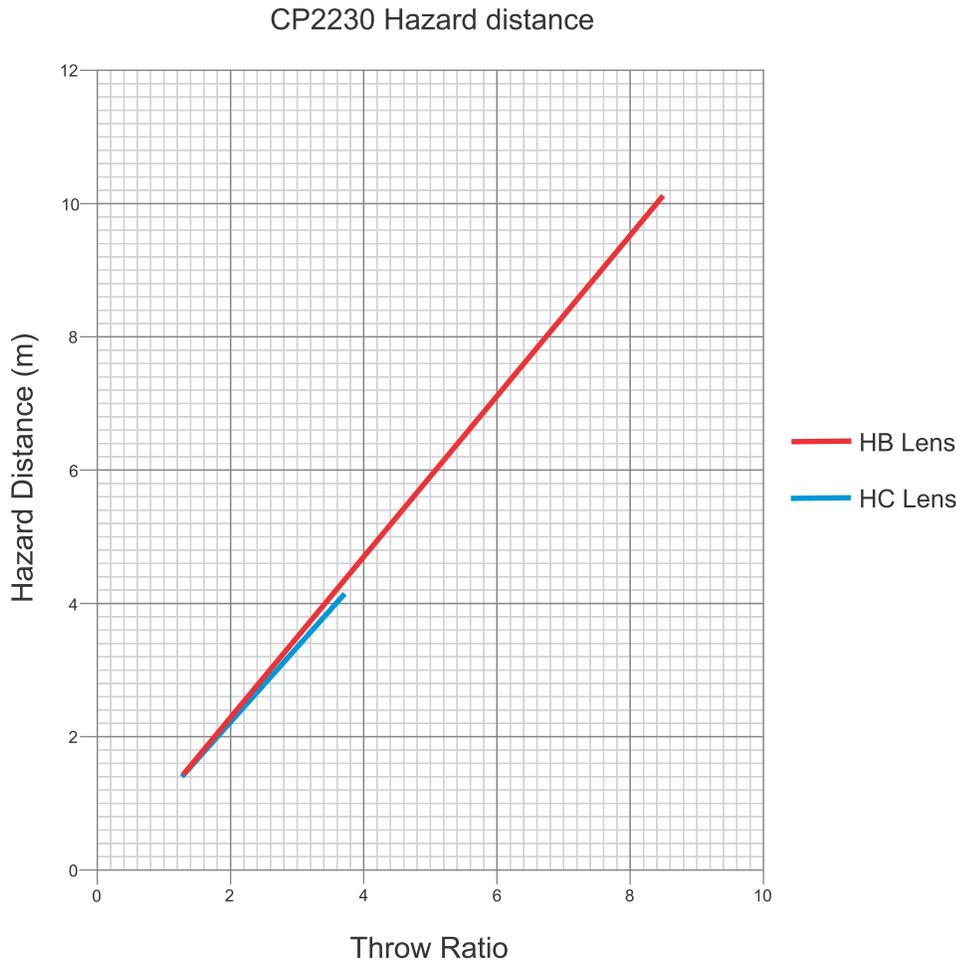
- B—Hazard distance. Operators must control access to the beam within the hazard distance or install the product preventing potential exposure of the spectators' eyes from being in the hazard distance.

- E—Represents the top view of the projector.
- F—Represents the side view of the projector.

The following graph shows the hazard distance for Christie projector lenses.

Table 1: CP2230 Lenses

Lens Type	Projection Lens	Part Number
HB	1.25-1.45:1	108-274101-XX
	1.45-1.8:1	108-275101-XX
	1.8-2.4:1	108-276101-XX
	2.20-3.0:1	108-277101-XX
	3.0-4.3:1	108-278101-XX
	4.3-6.0:1	108-279101-XX
	5.5-8.5:1	108-280101-XX
	1.45-2.05:1	108-335102-XX
	1.6-2.4:1	108-336103-XX
	1.8-3.0:1	108-337104-XX
	2.15-3.6:1	108-338105-XX
	1.25-1.83:1	108-342100-XX
HC	1.25-1.83:1	108-400105-XX
	1.45-2.05:1	108-401106-XX
	1.6-2.4:1	108-402107-XX
	1.8-3.0:1	108-403108-XX
	2.15-3.6:1	108-404109-XX
	1.8-2.4:1	38-809052-XX
	2.2-3.0:1	38-809053-XX
	1.45-1.8:1	38-809061-XX
	1.25-1.45:1	38-809079-XX



For Installations in the United States

The following must be in place for laser-illuminated projector installations in the United States:

- Any human access to the hazard zone, if applicable, must be restricted by barriers to enforce the no access zone.
- Permanent show installations containing Risk Group 3 laser-illuminated projectors must meet the following conditions:
 - Installed by Christie or by Christie-authorized and trained installers.
Refer to the EXTERNAL - Laser safety awareness training (Course code: CS-ELSA-01) on the <http://www.christieuniversity.com> site.
 - Performed according to instructions provided by Christie.
 - Ensure the projection system is securely mounted or immobilized to prevent unintended movement or misalignment of the projections.
- The projection room shall be clearly identified by the posting of laser warning and restricted access signs, and by restricting entry through physical means. The projection room sign must display the warning "No direct exposure to beam shall be permitted".