

GLP Tech Note



JDC1

20240822 - Tech Note JDC1 Risc Group Classification

08/22/2024

GLP's strategy is to ensure that its products remain active in the marketplace as reliably and as long as possible. In support of this strategy, we are committed to communicating technical changes or anomalies transparently with our customers. The following technical information is intended to provide general information on technical changes or anomalies. They are intended in particular for service technicians to be informed quickly and appropriately in the event of functional deviations or defects.

The classification and description "Risk Group 3" of the GLP JDC1 does not correspond to the current measurements. This classification was carried out with excessive caution at the time of product launch.

According to the following current measurements, the values are in the range of risk class 2. This means that people who briefly look into the light are protected by their own eyelid protection reflex.

Fixture	Eb	Kbv	BL%	RG
	Blue Light Weighted Irradiance	Blue Light Hazard Efficacy of Luminous Radiation	Blue Light Hazard Blue-ray %	Blue Light Hazard Risk Group
	w/m2	w/lm		
JDC1 - white LEDs	23,39485	0,00092	29,61	2
JDC1 - RGB LEDs	8,27352	0,00157	42,76	2
JDC1 - all on	31,09026	0,00102	32,89	2

- **Risc Group 0** - Exempt: There is no risk. There is no danger of damage to the eye, even if you look in the direction of the light source for a long time (unlimited exposure time)
- **Risc Group 1** - Low: There is a low risk. There is no damage to the eye, even if you stare in the direction of the light source for a limited time (limited exposure time).
- **Risc Group 2** - Moderate: There is a medium risk. Damage to the eye is avoided by averting the light. This requires that looking at the light source is perceived as sufficiently unpleasant. The limit value of the radiance or irradiance is set so that the eye is not damaged by the radiation within the time until you look away from the light source (short exposure time).
- **Risc Group 3** - High: There is a high risk. Even a brief look at the light source can cause damage to the eye.