

Safety data sheet

Information about possible danger from optical radiation, according to DIN EN 62471:2008

Warning messages



Lighting that emits light in the UV region (wavelength <400 nm) and IR region (wavelength >750 nm):
Optical radiation invisible to the human eye can cause irritation or damage to the eyes and to the skin. Observe the following risk group classifications and protective measures.



Lighting that emits light in a wavelength region between 400 nm and 750 nm (visible light):
Optical radiation visible to the human eye can subject the eyes to glare and/or cause irritation and damage to the eyes and skin. Observe the following risk group classifications and protective measures.

Risk group classifications according to DIN EN 62471

LUMIMAX [®] Lighting series	Illumination colours					
	UV 365nm 400nm	Blue 470nm	White 6500K	Green 528nm	Red 625nm	IR 850nm 870nm
LG / LGFL*	-	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)
LQ / LQFL*	RG 3 / RG 2	RG 2 / RG 1	RG 2 / RG 1	RG 2 / RG 1	RG 0 (exempt)	RG 2 / RG 1
SQ / SQFL*	-	RG 1 / RG 0	RG 1 / RG 0	RG 1 / RG 0	RG 0 (exempt)	RG 1 / RG 0
LR / LRFL*	RG 3 / RG 2	RG 2 / RG 1	RG 2 / RG 1	RG 2 / RG 1	RG 0 (exempt)	RG 1 / RG 0
LSR / LSRFL*	-	RG 1 / RG 0	RG 1 / RG 0	RG 1 / RG 0	RG 0 (exempt)	RG 0 (exempt)
CRC / CRCFL*	-	RG 1 / RG 0	RG 1 / RG 0	RG 1 / RG 0	RG 0 (exempt)	RG 1 / RG 0
DFL / DFLFL*	-	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)	-
DOM CD / DOM CDFL*	-	RG 1 / RG 0	RG 1 / RG 0	RG 1 / RG 0	RG 0 (exempt)	RG 0 (exempt)
ES/ ESFL*	-	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)	RG 0 (exempt)
LB / LBFL*	RG 3 / RG 2	RG 2 / RG 1	RG 2 / RG 1	RG 2 / RG 1	RG 0 (exempt)	RG 0 (exempt)
LSB / LSBFL*	-	RG 1 / RG 0	RG 1 / RG 0	RG 1 / RG 0	RG 0 (exempt)	RG 0 (exempt)
SPOT / SPOTFL*	RG 3 / RG 2	RG 1 / RG 0	RG 1 / RG 0	RG 1 / RG 0	RG 0 (exempt)	RG 1 / RG 0

* FL = Flash Lights

Hazard-related risk group labelling

Illumination colour	RG 0 (exempt)	RG 1	RG 2	RG 3
UV	No requirements	NOTICE UV radiation emitted from this product	WARNING Possibly hazardous UV radiation emitted from this product	WARNING hazardous UV radiation emitted from this product
Visible Light	No requirements	No requirements	CAUTION Optical radiation may be emitted from this product	WARNING Optical radiation may be emitted from this product
IR	No requirements	NOTICE IR radiation emitted from this product	CAUTION IR radiation emitted from this product	WARNING IR radiation emitted from this product

Instructions for protective measures

Illumination colour	RG 0 (exempt)	RG 1	RG 2	RG 3
UV	No requirements	Minimise exposure to eyes and skin. Use appropriate shielding.	Do not look at operating light for a long time. Eye or skin irritation may result from exposure. Use appropriate shielding.	Do not look at operating light. Avoid eye and skin exposure to unshielded products. Eye injury may result.
Visible Light	No requirements	No requirements	Do not look at operating light for a long time. May be harmful to the eye.	Do not look at operating light. Eye injury may result.
IR	No requirements	Do not look at operating light for a long time. Use appropriate shielding.	Do not look at operating light for a long time. Avoid eye exposure. Use appropriate shielding.	Do not look at operating light. Avoid eye exposure. Use appropriate shielding.