



TEST REPORT
EN 62471:2008
Photobiological safety of lamps and lamp systems

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Note:



Test item particulars

Lamp classification group.....:Risk Group 1

Possible test case verdicts

General remarks:

Remark:

Appendix A - EUT photos

Appendix B - Test equipment list

General Product Information:

FINAL

	$L_B = \frac{1}{300} \int_{t_0}^{700} L(\lambda, t) B(\lambda) dt$ W·m ⁻² ·sr ⁻¹		
	$E_B = \frac{1}{300} \int_{t_0}^{700} E(\lambda, t) B(\lambda) dt$ W·m ⁻² ·sr ⁻¹		
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	$L_{IR} = \sum_{\lambda=780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \leq \frac{50000}{38} \text{ W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$L_{IR} = \sum_{\lambda=780}^{1400} L_\lambda \cdot R(\lambda) \cdot \Delta\lambda \leq \frac{6000}{\alpha} \text{ W}\cdot\text{m}^{-2}\cdot\text{sr}^{-1}$		
	$E_{IR} = \sum_{\lambda=780}^{3000} E_\lambda \cdot \Delta\lambda \leq 18000 \cdot t^{-0.75} \text{ W}\cdot\text{m}^{-2}$		

$$E_{IR} = \frac{\sum_{\lambda > 780}^{3000} E_{\lambda} \Delta \lambda}{100} \text{ W.m}^{-2}$$

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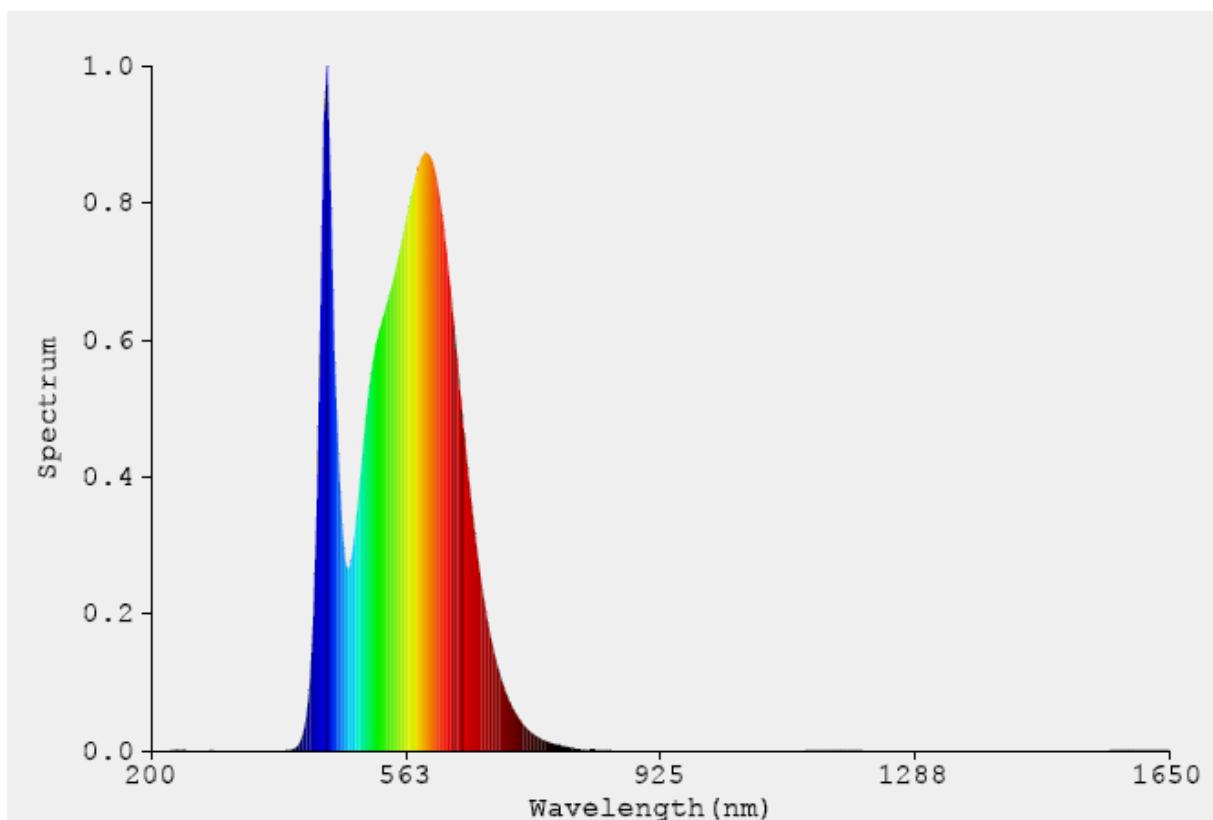
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Table 5.4						-
Hazard Name	Relevant equation	Wavelength Range nm	Exposure aperture rad(deg)	Limiting aperture rad(deg)	EL in items of constant irradiance W.m⁻²	

Table 5.5						-
Hazard Name	Relevant equation	Wavelength Range nm	Exposure duration Sec	Field of view radians	EL in terms of constant radiance W.m⁻².sr⁻¹)	



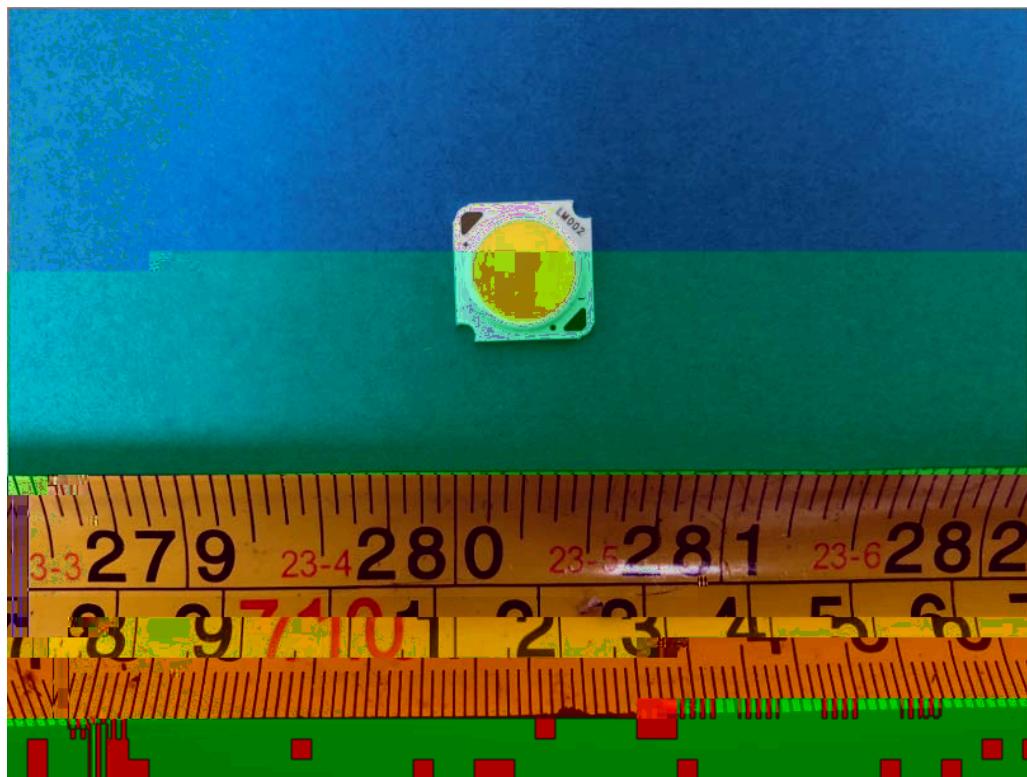
ENCL



FLIR



The front view of EUT



The back view of EUT



