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IEC62471B ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
ATTACHMENT No.1 TO TEST REPORT IEC 62471 Report Ref. No Z7-3/184/B/20 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Photobiological safety of lamps and lamps systems			
Differences according to..... EN 62471:2008			
Annex Form No..... EU_GD_IEC62471B			
Annex Form Originator OVE			
Master Annex Form..... 2019-01-24			
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	CENELEC COMMON MODIFICATIONS (EN)	P
4	EXPOSURE LIMITS	P
	Contents of the whole Clause 4 of IEC 62471:2006 moved into a new informative Annex ZB	—
	Clause 4 replaced by the following:	
	Limits of the Artificial Optical Radiation Directive (2006/25/EC) have been applied instead of those fixed in IEC 62471:2006	See appended Table 6.1 P
4.1	General	P
	First paragraph deleted	—

Table 6.1		Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC) for URBINO LED ED 29300lm/730							P	
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	5,715e-08	-	-	-	-	
Near UV		E_{UVA}	$W \cdot m^{-2}$	0,33	0,000763	-	-	-	-	
Blue light	$B(\lambda)$	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	46,69	10000	N/A	4000000	N/A	
Blue light, small source	$B(\lambda)$	E_B	$W \cdot m^{-2}$	0,01*	N/A	1,0	N/A	400	N/A	
Retinal thermal	$R(\lambda)$	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	$28000/\alpha$	-	$28000/\alpha$	N/A	$71000/\alpha$	N/A	
Retinal thermal, weak visual stimulus**	$R(\lambda)$	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	545000 $0,0017 \leq \alpha \leq 0,011$	N/A					
				$6000/\alpha$ $0,011 \leq \alpha \leq 0,1$	N/A					
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0	570	N/A	3200	N/A	
<p>* Small source defined as one with $\alpha < 0,011$ radian. Averaging field of view at 10000 s is 0,1 radian.</p> <p>** Involves evaluation of non-GLS source</p> <p>NOTE The action functions: see Table 4.1 and Table 4.2 The applicable aperture diameters: see 4.2.1 The limitations for the angular subtenses: see 4.2.2 The related measurement condition 5.2.3 and the range of acceptance angles: see Table 5.5.</p>										

Table 6.1		Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC) for URBINO LED ED DALI 27650lm/740							P	
Risk	Action spectrum	Symbol	Units	Emission Measurement						
				Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	$S_{UV}(\lambda)$	E_s	$W \cdot m^{-2}$	0,001	2e-07	-	-	-	-	
Near UV		E_{UVA}	$W \cdot m^{-2}$	0,33	0,001579	-	-	-	-	
Blue light	$B(\lambda)$	L_B	$W \cdot m^{-2} \cdot sr^{-1}$	100	64,87	10000	N/A	4000000	N/A	
Blue light, small source	$B(\lambda)$	E_B	$W \cdot m^{-2}$	0,01*	N/A	1,0	N/A	400	N/A	
Retinal thermal	$R(\lambda)$	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	$28000/\alpha$	-	$28000/\alpha$	N/A	$71000/\alpha$	N/A	
Retinal thermal, weak visual stimulus**	$R(\lambda)$	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	545000 $0,0017 \leq \alpha \leq 0,011$	N/A					
				$6000/\alpha$ $0,011 \leq \alpha \leq 0,1$	N/A					
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	100	0	570	N/A	3200	N/A	
<p>* Small source defined as one with $\alpha < 0,011$ radian. Averaging field of view at 10000 s is 0,1 radian.</p> <p>** Involves evaluation of non-GLS source</p> <p>NOTE The action functions: see Table 4.1 and Table 4.2 The applicable aperture diameters: see 4.2.1 The limitations for the angular subtenses: see 4.2.2 The related measurement condition 5.2.3 and the range of acceptance angles: see Table 5.5.</p>										