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Our Reference:

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Product

AirMaid

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Your Reference

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2013-11-27

Photobiological safety of light according to IEC/EN 62471

Your product, AirMaid, has been measured and classified according to IEC/EN 62471, see result below.

Your product is classified as Exempt, and you can be without risk be exposed for the radiation, visible and UV for 30 000 s, which is more than 8 h.

Best regards

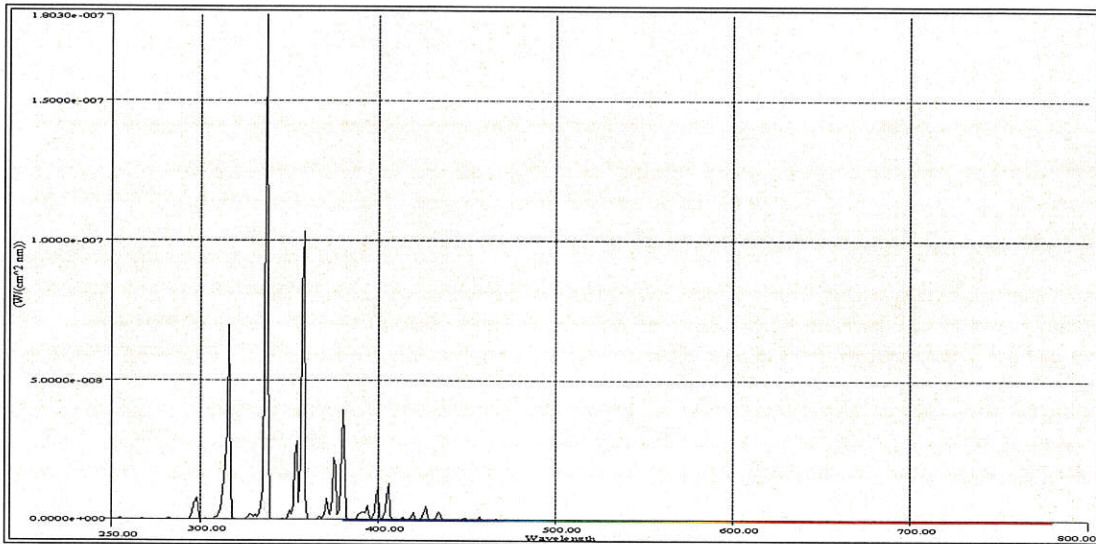


Mikael Pettersson
Intertek Semko AB
Teknisk Chef Lighting

Measurement:

The measurement was performed from the entrance port, and all light was integrated, this is about 200 mm from the source in accordance with the standard.

Result:



Spectrum from Airmaid in action.

Table 6.1 Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC)									
Risk	Action spectrum	Symbol	Units	Emission Measurement					
				Exempt		Low risk		Mod risk	
				Limit	Result	Limit	Result	Limit	Result
Actinic UV	$S_{UV}(\lambda)$	E_c	$W \cdot m^{-2}$	0,001	0,0001	0,003	-	0,03	-
Near UV		E_{UVA}	$W \cdot m^{-2}$	10	0,009	33	-	100	-
Blue light	$B(\lambda)$	L_b	$W \cdot m^{-2} \cdot sr^{-1}$	100	4,5	10000	-	4000000	-
Blue light, small source	$B(\lambda)$	E_b	$W \cdot m^{-2}$	1,0*	-	1,0	-	400	-
Retinal thermal	$R(\lambda)$	L_R	$W \cdot m^{-2} \cdot sr^{-1}$	$28000/\alpha$	35 Limit 280000	$28000/\alpha$	-	$71000/\alpha$	-
Retinal thermal, weak visual stimulus ^{1,2}	$R(\lambda)$	L_{IR}	$W \cdot m^{-2} \cdot sr^{-1}$	$6000/\alpha$	-				
				100	-				
IR radiation, eye		E_{IR}	$W \cdot m^{-2}$	0,001	-	0,003	-	0,03	-

Table of measurement data and limits.