







	TEST REPORT EN 62471		
Photobiologica	al safety of lamps and la	amp systems	
Report Reference No	EED31K000450	6-2-	
Compiled by (+ signature):	Carrie Lin	ancesm.	
Reviewed by (+ signature):	Torres He	Tomes He	
Approved by (+ signature):	Amo Liu	Eas Supervisor	
Date of issue	Apr. 04, 2018	COPOLITICOL	6
Testing Laboratory	Centre Testing International Grou	ip Co., Ltd.	
Address:	Hongwei Industrial Zone, Bao'an Guangdong, China	70 District, Shenzhen,	
Applicant's name:	Shenzhen Runlite Technology C	o., Ltd	
Address	Building A15, Tantou the 4 th Indu BaoAn District, Shenzhen, China		n,
Manufacture's name	Shenzhen Runlite Technology C	o., Ltd	
Address:	Building A15, Tantou the 4 th Indu BaoAn District, Shenzhen, China		n,
Test specification:			
Standard	EN 62471: 2008		
Test procedure	Test report		
Non-standard test method	N/A		
Test Report Form No	EN62471A	\bigcirc	
TTRF Originator	СТІ		
Master TRF	Dated 2009-05		
Test item description	SMD LED	$(c^{(n)})$	(ć
Model/Type reference	PCT 5050		
Ratings	65mA, 36VDC, 2,5W		
		Check No.:2457	54718









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Test item particulars	
Tested lamp	: 🖂 continuous wave lamps 🛛 🗌 pulsed lamps
Tested lamp system	: N/A
Lamp classification group	: 🖂 exempt 🗌 risk 1 🗌 risk 2 🗌 risk 3
Lamp cap	: N/A
Bulb	: N/A
Rated of the lamp	: See page 1
Furthermore marking on the lamp	: N/A
Seasoning of lamps according IEC standard	: N/A
Used measurement instrument	: Lamps and lamp system Photobiological safety performance test systems
Temperature by measurement	: 24,5 ℃
Information for safety use	: N/A
Possible test case verdicts:	(75) (75) (75)
- test case does not apply to the test object	: N/A
- test object does meet the requirement	:P (Pass)
- test object does not meet the requirement	: F (Fail)
Testing	(S) (S)
Date of receipt of test item	: Mar. 14, 2018
Date (s) of performance of tests	: Mar. 29, 2018
General remarks:	
The test results presented in this report relate only to This report shall not be reproduced, except in full, we laboratory. "(See Enclosure)" refers to additional information a "(See appended table)" refers to a table appended to	ithout the written approval of the Issuing testing ppended to the report.
The tested sample(s) and the sample information a Throughout this report a (comma) (point) is used a	
When determining the test conclusion, the Measur	ement Uncertainty of test has been considered.
General product information:	
The test current is 65mA.	









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		EN 62471	
Clause	Requirement – Test	Result - Remark	Verdict

4	EXPOSURE LIMITS		Р
4.1	General		Р
	The exposure limits in this standard is not less than 0,01ms and not more than any 8-hour period, and should be used as guides in the control of exposure,		Р
(Detailed spectral data of a light source are generally required only if the luminance of the source exceeds 10^4 cd \cdot m ⁻² ,	luminance of the source exceeds 10 ⁴ cd • m ⁻²	Р
4.3	Hazard exposure limits	~~~	Р
4.3.1	Actinic UV hazard exposure limit for the skin and eye	e	Р
	The exposure limit for effective radiant exposure is $30 \text{ J} \cdot \text{m}^{-2}$ within any 8-hour period,		Р
	To protect against injury of the eye or skin from ultraviolet radiation exposure produced by a broadband source, the effective integrated spectral irradiance, E_s , of the light source shall not exceed the levels defined by:	T)	Ρ
0	$E_{s} \cdot t = \sum_{200}^{400} \sum_{t} E_{\lambda}(\lambda, t) \cdot S_{UV}(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 30 \qquad \qquad J \cdot m^{-2}$		Р
9	The permissible time for exposure to ultraviolet radiation incident upon the unprotected eye or skin shall be computed by:		Р
	$t_{\rm max} = \frac{30}{E_{\rm s}}$ s		Ρ
4.3.2	Near-UV hazard exposure limit for the eye		Р
(1)	For the spectral region 315nm to 400nm (UV-A) the total radiant exposure to the eye shall not exceed 10000 J \cdot m ⁻² for exposure times less than 1000s, For exposure times greater than 1000s (approximately 16 minutes) the UV-A irradiance for the unprotected eye, E _{UVA} , shall not exceed 10 W \cdot m ⁻² ,	(T)	P
	The permissible time for exposure to ultraviolet radiation incident upon the unprotected eye for times less than 1000s, shall be computed by:		Ρ
	$t_{\max} \le \frac{10000}{E_{\text{UVA}}} \qquad \text{s}$		Р







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4.3.3	Retinal blue light hazard exposure limit		P
Q	To protect against retinal photochemical injuction chronic blue-light exposure, the integrated spradiance of the light source weighted agains blue-light hazard function, $B(\lambda)$, i,e,, the blue weighted radiance, L_B , shall not exceed the defined by:	pectral t the light	P
	$L_{\rm B} \cdot t = \sum_{300}^{700} \sum_{t} L_{\lambda}(\lambda, t) \cdot B(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 10^6 {\rm J}$	$m^{-2} \cdot sr^{-1}$ for t $\leq 10^4 s$ $t_{max} = \frac{10^6}{L_B}$	N/A
	$L_{\rm B} = \sum_{300}^{700} L_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda \le 100 \qquad W$	$m^{-2} \cdot sr^{-1}$ for t > 10 ⁴ s	Р
4.3.4	Retinal blue light hazard exposure limit - sma	all source	N/A
9	Thus the spectral irradiance at the eye E_{λ} , we against the blue-light hazard function $B(\lambda)$ (so Table 4.2) shall not exceed the levels define	ee	N/A
	$E_{B} \cdot t = \sum_{300}^{700} \sum_{t} E_{\lambda}(\lambda, t) \cdot B(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 100$	0 J·m ⁻²	N/A
2	$E_{\rm B} = \sum_{300}^{700} E_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda \le 1$	W·m ⁻²	N/A
4.3.5	Retinal thermal hazard exposure limit) (Sr)	Р
	To protect against retinal thermal injury, the integrated spectral radiance of the light sour weighted by the burn hazard weighting funct $R(\lambda)$ (from Figure 4.2 and Table 4.2), i,e,, the hazard weighted radiance, shall not exceed levels defined by:	ion e burn	P
	$L_{R} = \sum_{380}^{1400} L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda \le \frac{50000}{\alpha \cdot t^{0,25}} \qquad W$	·m ⁻² ·sr ⁻¹ (10μs ≤ t≪10s)	Р
4.3.6	Retinal thermal hazard exposure limit - wea	k visual stimulus	P
	For an infrared heat lamp or any near-infrare source where a weak visual stimulus is inade to activate the aversion response, the near in (780nm to 1400nm) radiance, L _{IR} , as viewed eye for exposure times greater than 10s sha limited to:	equate nfrared by the	P
	$L_{\rm IR} = \sum_{780}^{1400} L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda \le \frac{6000}{\alpha} \qquad \qquad$	$\cdot m^{-2} \cdot sr^{-1}$ for t > 10s	Р
4.3.7	Infrared radiation hazard exposure limits for	the eve	Р







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	To avoid thermal injury of the cornea and possible delayed effects upon the lens of the eye (cataractogenesis), ocular exposure to infrared radiation, E_{IR} , over the wavelength range 780nm 3000nm, for times less than 1000s, shall not exceed:	~~~		P
	$E_{\rm IR} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta \lambda \le 18000 \cdot t^{-0.75} \qquad \rm W \cdot r$	n^{-2} for t ≤ 1000s		N/A
(For times greater than 1000s the limit becomes:	6	6	Р
6	$E_{\rm IR} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta \lambda \le 100 \qquad \qquad$	m ⁻² for t > 1000s		Р
4.3.8	Thermal hazard exposure limit for the skin	(57)		Р
	Visible and infrared radiant exposure (380nm to 3000nm) of the skin shall be limited to:			Р
($E_{\rm H} \cdot t = \sum_{380}^{3000} \sum_{t} E_{\lambda}(\lambda, t) \cdot \Delta t \cdot \Delta \lambda \le 20000 \cdot t^{0.25} \qquad \qquad \text{J} \cdot$	m ⁻²		Р

Measurement conditions	12	Р
	7 A 70 A	
Measurement conditions shall be reported as part of the evaluation against the exposure limits and the assignment of risk classification,	(C)	Р
Lamp ageing (seasoning)		N/A
Seasoning of lamps shall be done as stated in the appropriate IEC lamp standard,	(7) (7)	N/A
Test environment		Р
For specific test conditions, see the appropriate IEC lamp standard or in the absence of such standards, the appropriate national standards or manufacturer's recommendations,	Temperature maintained at 25 \pm 1°C; Relative humidity maintained to less than 65%; Airflow minimized when measuring	P
Extraneous radiation		Р
Careful checks should be made to ensure that extraneous sources of radiation and reflections do not add significantly to the measurement results,		Р
Lamp operation		Р
	the assignment of risk classification, Lamp ageing (seasoning) Seasoning of lamps shall be done as stated in the appropriate IEC lamp standard, Test environment For specific test conditions, see the appropriate IEC lamp standard or in the absence of such standards, the appropriate national standards or manufacturer's recommendations, Extraneous radiation Careful checks should be made to ensure that extraneous sources of radiation and reflections do not add significantly to the measurement results,	the assignment of risk classification, Lamp ageing (seasoning) Seasoning of lamps shall be done as stated in the appropriate IEC lamp standard, Test environment For specific test conditions, see the appropriate IEC lamp standard or in the absence of such standards, the appropriate national standards or manufacturer's recommendations, Extraneous radiation Careful checks should be made to ensure that extraneous sources of radiation and reflections do not add significantly to the measurement results,





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	Operation of the test lamp shall be provided in accordance with:		Р
0	- the appropriate IEC lamp standard, or		Р
У	- the manufacturer's recommendation	S	N/A
5.1.5	Lamp system operation	•	N/A
	The power source for operation of the test lamp shall be provided in accordance with:		N/A
	- the appropriate IEC standard, or		N/A
	- the manufacturer's recommendation		N/A
5.2	Measurement procedure	<u></u>	Р
5.2.1	Irradiance measurements	(S)	P
	Minimum aperture diameter 7mm,		Р
	Maximum aperture diameter 50mm,		Р
	The measurement shall be made in that position of the beam giving the maximum reading,		Р
	The measurement instrument is adequate calibrated,		Р
5.2.2	Radiance measurements		Р
5.2.2.1	Standard method	(S ¹)	Р
	The measurements made with an optical system,	<u> </u>	Р
	The instrument shall be calibrated to read in absolute incident radiant power per unit receiving area and per unit solid angle of acceptance averaged over the field of view (FOV) of the instrument,		P
5.2.2.2	Alternative method		Р
	Alternatively to an imaging radiance set-up, an irradiance measurement set-up with a circular field stop placed at the source can be used to perform radiance measurements,	(Th	P
5.2.3	Measurement of source size		Р
(The determination of α , the angle subtended by a source, requires the determination of the 50% emission points of the source,	I) (I	Р
5.2.4	Pulse width measurement for pulsed sources		N/A







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Ì	The determination of Δt , the nominal pulse duration of a source, requires the determination of the time during which the emission is >50% of its peak value,		N/A
5.3	Analysis methods		Р
5.3.1	Weighting curve interpolations		Р
	To standardize interpolated values, use linear interpolation on the log of given values to obtain intermediate points at the wavelength intervals desired,		Р
5.3.2	Calculations		Р
	The calculation of source hazard values shall be performed by weighting the spectral scan by the appropriate function and calculating the total weighted energy,	(I)	P
5.3.3	Measurement uncertainty		Р
	The quality of all measurement results must be quantified by an analysis of the uncertainty,	See Annex C in the norm	Р

For the purposes of this standard it was decided that the values shall be reported as follows:	see table 6.1		Р./
	10.2		6
- for lamps intended for general lighting service (GLS), see definition 3,11, the hazard values shall be reported as either irradiance or radiance values at a distance which produces an illuminance of 500 lux, but not at a distance less than 200mm	441mm, 500lux		Р
- for all other light sources, including pulsed lamp sources, the hazard values shall be reported at a distance of 200mm		C.	N/A
Continuous wave lamps	<">>		Р
Exempt group	(57)		Р
In the exempt group is the lamp, which does not pose any photobiological hazard, This requirement is met by any lamp that does not pose:			Р
- an actinic ultraviolet hazard (E_s) within 8-hours exposure (30000s), nor	R)	(N	Р
- a near-UV hazard (E _{UVA}) within 1000s (about 16min), nor			Р
- a retinal blue-light hazard (L_B) within 10000 s (about 2,8 h), nor			Р
	 at a distance which produces an illuminance of 500 lux, but not at a distance less than 200mm for all other light sources, including pulsed lamp sources, the hazard values shall be reported at a distance of 200mm Continuous wave lamps Exempt group In the exempt group is the lamp, which does not pose any photobiological hazard, This requirement is met by any lamp that does not pose: an actinic ultraviolet hazard (E_s) within 8-hours exposure (30000s), nor a near-UV hazard (E_{UVA}) within 1000s (about 16min), nor a retinal blue-light hazard (L_B) within 10000 s 	at a distance which produces an illuminance of 500 lux, but not at a distance less than 200mm - for all other light sources, including pulsed lamp sources, the hazard values shall be reported at a distance of 200mm Continuous wave lamps Exempt group In the exempt group is the lamp, which does not pose any photobiological hazard, This requirement is met by any lamp that does not pose: - an actinic ultraviolet hazard (E _s) within 8-hours exposure (30000s), nor - a near-UV hazard (E _{UVA}) within 1000s (about 16min), nor - a retinal blue-light hazard (L _B) within 10000 s	at a distance which produces an illuminance of 500 lux, but not at a distance less than 200mm - for all other light sources, including pulsed lamp sources, the hazard values shall be reported at a distance of 200mm Continuous wave lamps Exempt group In the exempt group is the lamp, which does not pose any photobiological hazard, This requirement is met by any lamp that does not pose: - an actinic ultraviolet hazard (Es) within 8-hours exposure (30000s), nor - a near-UV hazard (EuvA) within 1000s (about 16min), nor - a retinal blue-light hazard (LB) within 10000 s





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Clause	Requirement – Test	Result - Remark	Verdict
	- a retinal thermal hazard (L _R) within 10s, nor		Р
Ø	- an infrared radiation hazard for the eye (E _{IR}) within 1000s		Р
6.1.2	Risk Group 1 (Low-Risk)		N/A
	In this group is the lamp, which exceeds the limits for the Exempt Group but that does not pose:		N/A
	- an actinic ultraviolet hazard (E_s) within 10000s, nor		N/A
	- a near ultraviolet hazard (E _{UVA}) within 300s, nor		N/A
	- a retinal blue-light hazard (L_B) within 100s, nor		N/A
2	- a retinal thermal hazard (L_R) within 10s, nor		N/A
9	- an infrared radiation hazard for the eye (E _{IR}) within 100s	(S)	N/A
	Lamps that emit infrared radiation without a strong visual stimulus and do not pose a near-infrared retinal hazard (L_{IR}), within 100s are in Risk Group 1,		N/A
6.1.3	Risk Group 2 (Moderate-Risk)		N/A
D	This requirement is met by any lamp that exceeds the limits for Risk Group 1 (Low-Risk), but that does not pose:		N/A
\mathcal{O}	- an actinic ultraviolet hazard (E _s) within 1000s exposure, nor		N/A
	- a near ultraviolet hazard (E_{UVA}) within 100s, nor		N/A
(- a retinal blue-light hazard (L_B) within 0,25s (aversion response), nor		N/A
	- a retinal thermal hazard (L_R) within 0,25s (aversion response), nor		N/A
0	- an infrared radiation hazard for the eye (E_{IR}) within 10s		N/A
\mathcal{O}	Lamps that emit infrared radiation without a strong visual stimulus and do not pose a near infrared retinal hazard (L_{IR}) within 10s are in Risk Group 2,		N/A
6.1.4	Risk Group 3 (High-Risk)		N/A
	Lamps which exceed the limits for Risk Group 2 are in Risk Group 3,	I) (I	N/A
6.2	Pulsed lamps		N/A
Ē.	Pulsed lamp criteria shall apply to a single pulse and to any group of pulses within 0,25s,	Continuous wave lamps	N/A





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le la	A pulsed lamp shall be evaluated at the highest nominal energy loading as specified by the manufacturer,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		N/A
D	The risk group determination of the lamp being tested shall be made as follows:			N/A
	 a lamp that exceeds the exposure limit shall be classified as belonging to Risk Group 3 (High- Risk) 	· · · · · · · · · · · · · · · · · · ·	~>>	N/A
	- for single pulsed lamps, a lamp whose weighted radiant exposure or weighted radiance dose is below the EL shall be classified as belonging to the Exempt Group	Ì	(ch)	N/A
	 for repetitively pulsed lamps, a lamp whose weighted radiant exposure or weighted radiance dose is below the EL, shall be evaluated using the Continuous wave risk criteria discussed in clause 6,1, using time averaged values of the pulsed emission 			N/A





















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Clause	Requirement	t – Test	Result -	(3)	Verdict			
Table 4.1 Spectral weighting function for assessing				ultraviolet bazards for skin and avo				
Wavelength ¹ λ, nm			UV hazard function			and eye P		
		S _{υν} (λ)		Wavelength λ, nm		S _{υν} (λ)		
9	200	0,030	(U)	313*	(G.	0,006	6	
	205	0,051		315		0,003		
	210	0,075	0,075			0,0024		
6	215	0,095		317		0,0020		
6	220	0,120		318		0,0016		
	225	0,150		319		0,0012		
	230	0,190	1	320		0,0010		
	235	0,240		322		0,00067	6	
	240	0,300	e	323	e e	0,00054	6	
245 250		0,360		325		0,00050		
		0,430		328		0,00044		
(254*	0,500		330		0,00041 0,00037 0,00034		
	255	0,520		333*				
	260	0,650		335				
2	265	0,810	0,810		13	0,00028		
()	270	1,000		345	6	0,00024	(
	275	0,960		350		0,00020		
2	280*	0,880		355		0,00016		
/	285	0,770		360		0,00013		
	290	0,640		365*		0,00011		
	295	0,540		370		0,00093		
	297*	0,460		375		0,000077	7	
a	300	0,300	(3)	380	13	0,000064	- /	
リ	303*	0,120	(G)	385	G	0,000053	3	
	305	0,060		390		0,000044	ł	
	308	0,026		395		0,000036	6	
	310	0,015		400		0,000030)	

Wavelengths chosen are representative: other values should be obtained by logarithmic interpolation at intermediate wavelengths,

Emission lines of a mercury discharge spectrum,







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1		U	(U)	(e)	
Table 4.2	Spectral weighting fur sources	nctions for assessing retinal	hazards from	broadband optical	Р
	Wavelength	Blue-light hazard fund	ction	Burn hazard fund	tion
	nm	Β(λ)		R (λ)	
2	300	0,01			
	305	0,01			
	310	0,01			
	315	0,01			
- /	320	0,01		- 33	· · · · · · · · · · · · · · · · · · ·
- (2	325	0,01		-)
1	330	0,01	e la	<u></u>	/
	335	0,01			
	340	0,01			
	345	0,01			
0	350	0,01		-	1
	355	0,01		(2)	(6
	360	0,01		<u> </u>	6
	365	0,01			
	370	0,01			
	375	0,01			
1	380	0,01	1	0,1	
- 6	385	0,013		0,13)
1	390	0,025		0,25	/
	395	0,05		0,5	
	400	0,10		1,0	
	405	0,20		2,0	
	410	0,40		4,0	1
	415	0,80		8,0	(2
1	420	0,90		9,0	6
	425	0,95		9,5	
	430	0,98		9,8	
	435	1,00		10,0	
1	440	1,00	1	10,0	
- ()	445	0,97	(\mathcal{A})	9,7	2
	450	0,94		9,4	/
	455	0,90		9,0	
	460	0,80		8,0	
	465	0,70		7,0	
2	470	0,62		6,2	1
2	475	0,55		5,5	(2
1	480	0,45		4,5	6
	485	0,40		4,0	
	490	0,22		2,2	
	495	0,16		1,6	
	500-600	10 ^[(450-λ)/50]	/°>>	1,0	
6	600-700	0,001	(2)	1,0	
1	700-1050	<u> </u>	67	10 ^[(700-λ)/500]	
	1050-1150			0,2	
	1150-1200			0,2×10 ^{0,02(1150-λ)}	
	1200-1400			0,02	
0			I		/







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1	Ľ		S	6))	S			
Table 5.4	Sum	mary of the ELs fo	r the surface of th	the surface of the skin or cornea (irradiance based values)					
Hazard Name Relevant equation		Wavelength range nm	Exposu duration sec		co irra	EL in terms of constant irradiance W·m ⁻²			
Actinic UV skin & eye $E_s = \sum E_{\lambda} \cdot S(x)$		$E_{\rm s} = \sum E_{\lambda} \cdot S(\lambda) \cdot \Delta \lambda$	200 – 400	< 30000) 1,4 (80)	30/t			
Eye UV-A $E_{UVA} = \sum E_{\lambda} \cdot \Delta \lambda$		315 – 400	≤1000 >1000	1,4 (80)		0000/t 10			
Blue-light gmall source		$E_{B} = \sum E_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda$	300 – 700	≤100 >100	< 0,011		100/t 1,0		
Eye IR $E_{\rm IR} = \sum E_{\lambda} \cdot \Delta$		$E_{\rm IR} = \sum E_{\lambda} \cdot \Delta \lambda$	780 –3000	≤1000 >1000	1,4 (80))00/t ^{0,75} 100		
Skin thermal $E_{\rm H} = \sum E_{\lambda} \cdot \Delta \lambda$		380 – 3000	< 10	2π sr	200)00/t ^{0,75}			

Hazard Name	Relevant equation	Wavelength range nm	Exposure duration sec	Field of view radians	EL in terms of constant irradiance W · m ⁻² · sr ⁻¹	
Blue light	$L_{\rm B} = \sum L_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda$	300 – 700	0,25 – 10 10-100 100-10000 ≥ 10000	0,011 • √(t/10) 0,011 0,0011 • √t 0,1	10 ⁶ /t 10 ⁶ /t 10 ⁶ /t 100	
Retinal thermal	$L_{\rm R} = \sum L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda$	380 – 1400	< 0,25 0,25 – 10	0,0017 0,011 • √(t/10)	50000/(α • t ^{0,25}) 50000/(α • t ^{0,25})	
Retinal thermal (weak visual stimulus)	$L_{\rm IR} = \sum L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda$	780 – 1400	> 10	0,011	6000/α	



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Table 6.1	Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC)						Р		
Risk	Action	Symbol	Units	Emission limits					
	spectrum			Exempt	Result	Low risk	Result	Mod risk	Result
Actinic UV	S _{UV} (λ)	Es	W • m⁻²	0,001	9,437E-08	0,003		0,03	
Near UV		Euva	W • m⁻²	0,33	2,116E-03	33		100	
Blue light	Β(λ)	L _B	W • m ⁻² • sr ⁻¹	100	5,705E+01	10000	7:3	4000000	
Blue light. small source	Β(λ)	E _B	₩ • m ⁻²	0,01	67)	1,0	67)		
Retinal thermal	R(λ)	L _R	W • m ⁻² • sr ⁻¹	28000/α	4,945E+04	28000/α		71000/α	
Retinal thermal.			W • m ⁻² • sr ⁻¹	545000 0,0017≤α≤0,011	3,697E+00				
weak visual stimulus**	R(λ)	L _{IR}	vv • m - • sr	6000/α 0,011≤α≤0,1					
IR radiation. eye		E _{IR}	W • m ⁻²	100	1,035E-03	570	13	3200	

* Small source defined as one with α < 0,011 radian, Averaging field of view at 10000 s is 0,1 radian

** Involves evaluation of non-GLS source

NOTE Angular subtense of apparent source: α = 3,87 mrad

