

Test Report

Report No.: AGC05443230604SS01

PRODUCT DESIGNATION: Reflective body belt

BRAND NAME : N/A

MODEL NAME : MO2100

APPLICANT: MID OCEAN BRANDS B.V

DATE OF ISSUE : Jun. 09, 2023

STANDARD(S) : EN 62471:2008

REPORT VERSION: V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd.



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TEST REPORT EN 62471

Photobiological safety of lamps and lamp systems

Report reference No..... AGC05443230604SS01 Hears ain Tested by (+ signature).....: Gino Chen Reviewed by (+ signature)....: Yeats Qin Matte He Approved by (+ signature).....: (Authorized officer) Date of issue: Jun. 09, 2023 Contents.... Total 17 pages **Testing laboratory** Attestation of Global Compliance (Shenzhen) Co., Ltd. Name....: 1-2/F, Building 19, Junfeng Industrial Park, Chongging Road, Address Heping Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China Test location..... Same as above **Applicant** Name MID OCEAN BRANDS B.V Address 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong Manufacturer Name MID OCEAN BRANDS B.V 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Address Kowloon, Hong Kong **Factory** MID OCEAN BRANDS B.V Name Address 7/F, Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong **Test specification** EN 62471:2008 Standard....: Test procedure..... Type test Non-standard test method..... N/A



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Test Report Form/blank test report					
Test Report Form No	AGC62471A1				
TRF originator:	AGC	AGC			
Master TTRF:	Dated 2009-06				
Test item					
Product designation:	Reflective body b	elt			
Brand name:	N/A				
Test model:	MO2100				
Series models:	N/A				
Rating(s)	3V CR2032 butto	on cell			
Test item Particulars					
Tested lamp:	⊠ continuous wa	ive lamps	d lamp		
Lamp classification group:	⊠ exempt □	risk 1 🗌 risk 2 🗌 risk	: 3		
Lamp cap:	N/A				
Bulb:	N/A				
Used measurement instrument:	SPECTRORADIO	OMETER			
Temperature by measurement:	25°C				
Information for safety use:	N/A				
Test case verdicts					
Test case does not apply to the test object \ldots :	N(/A)				
Test item does meet the requirement:	P(ass)				
Test item does not meet the requirement:	F(ail)				
Testing					
Date of receipt of test item:	Jun. 07, 2023				
Date(s) of performance of test:	Jun. 09, 2023				
Attachments					
Attachment A:	Photos of produc	et			
General remarks					
This report shall not be reproduced except in full without the written approval of the testing laboratory. The test results presented in this report relate only to the item tested. "(see remark #)" refers to a remark appended to the report. "(see Annex #)" refers to an annex appended to the report. Throughout this report a point is used as the decimal separator.					
Report Revise Record:			N		
Report Version Revise Time	Issued Date	Valid Version	Notes		
V1.0 /	Jun. 09, 2023	Valid	Initial release		



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General product information

The product is Class III appliances, It is for indoor used only.

Instructions and equipment marking related to safety is applied in the language that is acceptable in the country in which the equipment is to be sold.

The LED package specification as follows:

Model	Manufacturer	Vf (V)	lf(mA)	Dominate Wavelength(nm)
Battery F5-4 light (Red)	Shenzhen Huarongwei Electronic Technology Co., LTD	3.0	80	620-625

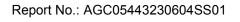
Summary of testing

The sample tested complies with the requirements of EN 62471:2008 and which is classified as exempt group according to the requirements of EN 62471:2008.



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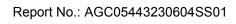
EN 62471			
Clause	Requirement – Test	Result	Verdict
4	Exposure Limits		Р
4.1	General		Р
	The exposure limits in this standard is not less than 0,01 ms and not more than any 8-hour period and should be used as guides in the control of exposure		Р
	Detailed spectral data of a light source are generally required only if the luminance of the source exceeds 10 ⁴ cd·m ⁻²	see clause 4.3	Р
4.3	Hazard exposure limits		Р
4.3.1	Actinic UV hazard exposure limit for the skin and eye		Р
	The exposure limit for effective radiant exposure is 30 J·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, Es, of the light source shall not exceed the levels defined by:		Р
	$E_{s} \cdot t = \sum_{200}^{400} \sum_{t} E_{\lambda}(\lambda, t) \cdot S_{UV}(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 30 \qquad J \cdot m^{-2}$		Р
	The permissible time for exposure to ultraviolet radiation incident upon the unprotected eye or skin shall be computed by:		Р
	$t_{\text{max}} = \frac{30}{E_{\text{s}}}$ s		Р
4.3.2	Near-UV hazard exposure limit for eye		Р
	For the spectral region 315 nm to 400 nm (UV-A) the total radiant exposure to the eye shall not exceed 10000 J·m ⁻² for exposure times less than 1000 s. For exposure times greater than 1000 s (approximately 16 minutes) the UV-A irradiance for the unprotected eye, E _{UVA} , shall not exceed 10 W·m ⁻² .		Р
	The permissible time for exposure to ultraviolet radiation incident upon the unprotected eye for time less than 1000 s, shall be computed by:		N
	$t_{\text{max}} \le \frac{10000}{E_{\text{UVA}}}$ s		N
4.3.3	Retinal blue light hazard exposure limit		Р



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EN 62471 Clause Result Verdict Requirement - Test To protect against retinal photochemical injury from chronic blue-light exposure, the integrated spectral Ρ radiance of the light source weighted against the bluelight hazard function, B(λ), i.e., the blue-light weighted radiance, LB, shall not exceed the levels defined by: $L_{\rm B} \cdot t = \sum_{200}^{700} \sum_{t} L_{\lambda}(\lambda, t) \cdot B(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 10^{6} \text{ J·m}^{-2} \cdot \text{sr}^{-1}$ $L_{\rm B} = \sum_{200}^{700} L_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda \le 100 \text{ W·m}^{-2} \cdot \text{sr}^{-1}$ Ρ Р 4.3.4 Retinal blue light hazard exposure limit - small source Ν Thus the spectral irradiance at the eye E_{λ} , weighted against the blue-light hazard function $B(\lambda)$ shall not Ν exceed the levels defined by: $E_{\mathsf{B}} \cdot t = \sum_{300}^{700} \sum_{t} E_{\lambda}(\lambda, t) \cdot B(\lambda) \cdot \Delta t \cdot \Delta \lambda \le 100 \text{ J} \cdot \text{m}^{-2}$ $E_{\mathsf{B}} = \sum_{300}^{700} E_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda \le 1 \quad \text{W} \cdot \text{m}^{-2}$ Ν Ν 4.3.5 Ρ Retinal thermal hazard exposure limit To protect against retinal thermal injury, the integrated spectral radiance of the light source, L_{λ} , weighted by the burn hazard weighting function $R(\lambda)$ (from Figure 4.2 Ρ and Table 4.2), i.e., the burn hazard weighted radiance, shall not exceed the levels defined by: $L_{R} = \sum_{200}^{1400} L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda \leq \frac{50000}{\alpha \cdot t^{0.25}} \quad \text{W·m}^{-2} \cdot \text{sr}^{-1}$ $(10 \mu s \le t \le 10 s)$ Ρ 4.3.6 Retinal thermal hazard exposure limit – weak visual stimulus Ν For an infrared heat lamp or any near-infrared source where a weak visual stimulus is inadequate to activate the aversion response, the near infrared (780 nm to Ν 1400 nm) radiance, LIR, as viewed by the eye for exposure times greater than 10 s shall be limited to: $L_{\text{IR}} = \sum_{\text{TeO}}^{1400} L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda \le \frac{6000}{\alpha} \quad \text{W·m}^{-2} \cdot \text{sr}^{-1}$ Ν t > 10 sΡ 4.3.7 Infrared radiation hazard exposure limits for the eye The avoid thermal injury of the cornea and possible delayed effects upon the lens of the eye (cataractogenesis), ocular exposure to infrared Ν radiation, EIR, over the wavelength range 780 nm to 3000 nm, for times less than 1000 s, shall not exceed:





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	EN 62471			
Clause	Requirement – Test	Result	Verdict	
	$E_{IR} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta \lambda \le 18000 \cdot t^{-0.75} \text{ W} \cdot \text{m}^{-2}$	t ≤ 1000 s	N	
	For times greater than 1000 s the limit becomes:		Р	
	$E_{\rm IR} = \sum_{780}^{3000} E_{\lambda} \cdot \Delta \lambda \le 100 \qquad \text{W} \cdot \text{m}^{-2}$	t > 1000 s	Р	
4.3.8	4.3.8 Thermal hazard exposure limit for the skin			
	Visible and infrared radiant exposure (380 nm to 3000 nm) of the skin shall be limited to:			
	$E_{H} \cdot t = \sum_{380}^{3000} \sum_{t} E_{\lambda}(\lambda, t) \cdot \Delta t \cdot \Delta \lambda \le 20000 \cdot t^{0.25} J \cdot m^{-2}$		Р	

5	MEASUREMENT OF LAMPS AND LAMP SYSTEMS		Р
5.1	Measurement conditions		Р
	Measurement conditions shall be reported as part of the evaluation against the exposure limits and the assignment of risk classification.		Р
5.1.1	Lamp ageing (seasoning)		Р
	Seasoning of lamps shall be done as stated in the appropriate IEC lamp standard.		N
5.1.2	Test environment		Р
	For specific test conditions, see the appropriate IEC lamp standard or in absence of such standards, the appropriate national standards or manufacturer's recommendations.		Р
5.1.3	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
5.1.4	Lamp operation		Р
	Operation of the test lamp shall be provided in accordance with:		Р
	the appropriate EN lamp standard, or		N
	the manufacturer's recommendation		Р
5.1.5	Lamp system operation		N
	The power source for operation of the test lamp shall be provided in accordance with:		N
	the appropriate EN standard, or		N
	the manufacturer's recommendation		N

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	EN 62471		
Clause	Requirement – Test	Result	Verdict
5.2	Measurement procedure		Р
5.2.1	Irradiance measurements		Р
	Minimum aperture diameter 7mm.		Р
	Maximum aperture diameter 50 mm.		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		Р
	The measurements made with an optical system.		Р
	The instrument shall be calibrated to read in absolute radiant power per unit receiving area and per unit solid angle to acceptance averaged over the field of view of the instrument.		Р
5.2.2.2	Alternative method		N
	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.		N
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.		Р
5.2.4	Pulse width measurement for pulsed sources		N
	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
5.3	Analysis methods		Р
5.3.1	Weighting curve interpolations		N
	To standardize interpolated values, use linear interpolation on the log of given values to obtain intermediate points at the wavelength intervals desired.	see table 4.1	N
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.		Р
5.3.3	Measurement uncertainty		Р
	The quality of all measurement results must be	see Annex C in the norm	Р



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	EN 62471		
Clause	Requirement – Test	Result	Verdict
	quantified by an analysis of the uncertainty.		

6	LAMP CLASSIFICATION		P
	For the purposes of this standard it was decided that the values shall be reported as follows:	see table 6.1	Р
	for lamps intended for general lighting service, 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 200 mm		Р
	for all other light sources, including pulsed lamp sources, the hazard values shall be reported at a distance of 200 mm		N
6.1	Continuous wave lamps		Р
6.1.1	Except Group		Р
	In the except group are lamps, which does not pose any photobiological hazard. The requirement is met by any lamp that does not pose:		Р
	 an actinic ultraviolet hazard (E_s) within 8-hours exposure (30000 s), nor 		Р
	 a near-UV hazard (E_{UVA}) within 1000 s, (about 16 min), nor 		Р
	 a retinal blue-light hazard (L_B) within 10000 s (about 2,8 h), nor 		Р
	 a retinal thermal hazard (L_R) within 10 s, nor 		Р
	 an infrared radiation hazard for the eye (E_{IR}) within 1000 s 		N
6.1.2	Risk Group 1 (Low-Risk)		N
	In this group are lamps, which exceeds the limits for the except group but that does not pose:		N
	 an actinic ultraviolet hazard (E_s) within 10000 s, nor 		N
	 a near ultraviolet hazard (E_{UVA}) within 300 s, nor 		N
	 a retinal blue-light hazard (L_B) within 100 s, nor 		N
	 a retinal thermal hazard (L_R) within 10 s, nor 		N
	– an infrared radiation hazard for the eye (E $_{\text{IR}}$) within 100 s		N
	Lamps that emit infrared radiation without a strong visual stimulus and do not pose a near-infrared retinal hazard (L _{IR}), within 100 s are in Risk Group 1.		N



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	EN 62471			
Clause	Requirement – Test	Result	Verdict	
6.1.3	Risk Group 2 (Moderate-Risk)		N	
	This requirement is met by any lamp that exceeds the limits for Risk Group 1, but that does not pose:		N	
	 an actinic ultraviolet hazard (E_S) within 1000 s exposure, nor 		N	
	 a near ultraviolet hazard (E_{UVA}) within 100 s, nor 		N	
	 a retinal blue-light hazard (L_B) within 0,25 s (aversion response), nor 		N	
	 a retinal thermal hazard (L_R) within 0,25 s (aversion response), nor 		N	
	 an infrared radiation hazard for the eye (E_{IR}) within 10 s 		N	
	Lamps that emit infrared radiation without a strong visual stimulus and do not pose a near-infrared retinal hazard ($L_{\rm IR}$), within 10 s are in Risk Group 2.		N	
6.1.4	Risk Group 3 (High-Risk)		N	
	Lamps which exceed the limits for Risk Group 2 are in Group 3.		N	
6.2	Pulsed lamps	N		
	Pulse lamp criteria shall apply to a single pulse and to any group of pulses within 0,25 s.		N	
	A pulsed lamp shall be evaluated at the highest nominal energy loading as specified by the manufacturer.		N	
	The risk group determination of the lamp being tested shall be made as follows:		N	
	 a lamp that exceeds the exposure limit shall be classified as belonging to Risk Group 3 (High-Risk) 		N	
	 for single pulsed lamps, a lamp whose weighted radiant exposure or weighted radiance does is below the EL shall be classified as belonging to the Exempt Group 		N	
	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	



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Clause	Requirement – Test	Result	Verdict

ole 4.1	Spectral we	eighting function for assessing	ultraviolet hazards for sk	rin and eye P
	elength ¹ , nm	UV hazard function S _{υν} (λ)	Wavelength λ, nm	UV hazard function S _{υν} (λ)
2	200	0,030	313*	0,006
2	205	0,051	315	0,003
2	210	0,075	316	0,0024
2	215	0,095	317	0,0020
2	220	0,120	318	0,0016
2	225	0,150	319	0,0012
2	230	0,190	320	0,0010
2	235	0,240	322	0,00067
2	240	0,300	323	0,00054
2	245	0,360	325	0,00050
2	250	0,430	328	0,00044
2	:54*	0,500	330	0,00041
2	255	0,520	333*	0,00037
2	260	0,650	335	0,00034
2	265	0,810	340	0,00028
2	270	1,000	345	0,00024
2	275	0,960	350	0,00020
2	:80*	0,880	355	0,00016
2	285	0,770	360	0,00013
2	290	0,640	365*	0,00011
	295	0,540	370	0,000093
2	97*	0,460	375	0,000077
3	300	0,300	380	0,000064
3	03*	0,120	385	0,000053
3	305	0,060	390	0,000044
3	308	0,026	395	0,000036
3	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.

Table 4.2	Spectral weighting functions for assessing retinal hazards from broadband optical source			
V	Wavelength nm	Blue-light hazard function B (λ)	Burn hazard function R (λ)	
	300	0,01		
	305	0,01		
	310	0,01		
	315	0,01		
	320	0,01		



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		IEC 62471		
Clause	Requirement – Test		Result	Verdict
	325	0,01		
	330	0,01		
	335	0,01		
	340	0,01		
	345	0,01		
	350	0,01		
	355	0,01		
	360	0,01		
	365	0,01		
	370	0,01		
	375	0,01		
	380	0,01		0,1
	385	0,013		0,13
	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
	415	0,80		8,0
	420	0,90		9,0
	425	0,95		9,5
	430	0,98		9,8
	435	1,00		10,0
	440	1,00		10,0
	445	0,97		9,7
	450	0,94		9,4
	455	0,90		9,0
	460	0,80		8,0
	465	0,70		7,0
	470	0,62		6,2
	475	0,55		5,5
	480	0,45		4,5
	485	0,40		4,0
	490	0,22		2,2
	495	0,16		1,6
	500-600	10 ^[(450-λ)/50]		1,0
	600-700	0,001		1,0
	700-1050			10 ^[(700-\lambda)/500]
	1050-1150			0,2
	1150-1200			0,2·10 ^{0,02(1150-λ)}
	1200-1400			0,02



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IEC 62471							
Clause	Requirement – Test	Result	Verdict				

Table 5.4	Summary of the ELs for the surface of the skin or cornea (irradiance based values)							
Hazard Name	Relevant equation	Wavelength range nm	Exposure duration sec	Limiting aperture rad (deg)	EL in terms of irradian W•m ⁻²	ce		
Actinic UV skir & eye	$E_{S} = \sum E_{\lambda} \cdot S(\lambda) \cdot \Delta \lambda$	200 – 400	< 30000	1,4 (80)	30/t			
Eye UV-A	$E_{UVA} = \sum E_{\lambda} \bullet \Delta \lambda$	315 – 400	≤1000 >1000	1,4 (80)	10000/t 10			
Blue-light smal	$I \qquad E_B = \sum E_\lambda \cdot B(\lambda) \cdot \Delta \lambda$	300 – 700	≤100 >100	< 0,011	100/t 1,0			
Eye IR	$E_{IR} = \sum E_{\lambda} \bullet \Delta \lambda$	780 –3000	≤1000 >1000	1,4 (80)	18000/t ⁰ 100),75		
Skin thermal	$E_H = \sum E_\lambda \bullet \Delta \lambda$	380 – 3000	< 10	2π sr	20000/t ⁽),75		

Table 5.5	Sur	Summary of the ELs for the retina (radiance based values)							
Hazard Name		Relevant equation	Wavelength range nm	Exposure duration sec	Field of view radians	EL in term			
Blue light		$L_{B} = \sum L_{\lambda} \cdot B(\lambda) \cdot \Delta \lambda$	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		$L_{R} = \sum L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda$	380 – 1400	< 0,25 0,25 – 10	0,0017 0,011•√(t/10)	50000/(α•t 50000/(α•t	<i>'</i>		
Retinal thermal (weak visual stimulus)		$L_{IR} = \sum L_{\lambda} \cdot R(\lambda) \cdot \Delta \lambda$	780 – 1400	> 10	0,011	6000/a	1		



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IEC 62471									
Clause	Requirement – Test Result								Verdict
Table 6.1	Emission	Emission limits for risk groups of continuous wave lamps							N
	Action	Action			nt				
Risk	spectru	Symbol	Units	Exe	Exempt		Low risk		risk
	m			Limit	Result	Limit	Result	Limit	Result
Actinic UV	S _{UV} (λ)	Es	W•m⁻²	0.001		0,003		0,03	
Near UV		Euva	W•m⁻²	10		33		100	
Blue light	Β(λ)	L _B	W•m ⁻² •sr	100		10000		4000000	
Blue light, small source	Β(λ)	E _B	W•m⁻²	1.0*		1,0		400	
Retinal thermal	R(λ)	L _R	W•m ⁻² •sr	28000/α		28000/α		71000/α	
Retinal thermal, weak visual stimulus**	R(λ)	L _{IR}	W•m⁻²•sr⁻	6000/α		6000/α		6000/α	
IR radiation, eye		E _{IR}	W•m⁻²	100		570		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



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EN 62471						
	CENELEC COMMON MODIFICATIONS (EN)					
4	EXPOSURE LIMITS	Р				
	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	Р				
4.1	General	Р				
	First paragraph deleted					

Table 6.1	Emission limits for risk groups of continuous wave lamps (based on EU Directive 2006/25/EC)								Р	
				Emission Measurement						
Risk	Action spectrum	Symbol	Units	Exempt		Low risk		Mod risk		
	ороси и			Limit	Result	Limit	Result	Limit	Result	
Actinic UV	S _{UV} (λ)	Es	W•m⁻²	0.001	0.000E+ 00	0.003		0.03		
Near UV		Euva	W•m⁻²	0.33	0.000E+ 00	33		100		
Blue light	Β(λ)	L _B	W•m ⁻² •sr ⁻¹	100	3.434E- 03	10000		400000 0		
Blue light, small source	Β(λ)	E _B	W•m ⁻²	0.01*	-	1,0		400		
Retinal thermal	R(λ)	L _R	W•m ⁻² •sr ⁻¹	28000/α	7.641E- 02	28000/α		71000/α		
Retinal thermal,				545000 0,0017≤ α ≤ 0,011						
weak visual stimulus**	R(λ)	R(λ) L _{IR}	W•m ⁻² •sr ⁻¹	6000/α = 6.000E+04 0,011≤ α ≤ 0,1						
IR radiation, eye		E _{IR}	W•m ⁻²	100	0.000E +00	570		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



Attachment A Photos of product



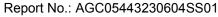
Fig.1 - Overall view

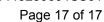


Fig.2 - Part view

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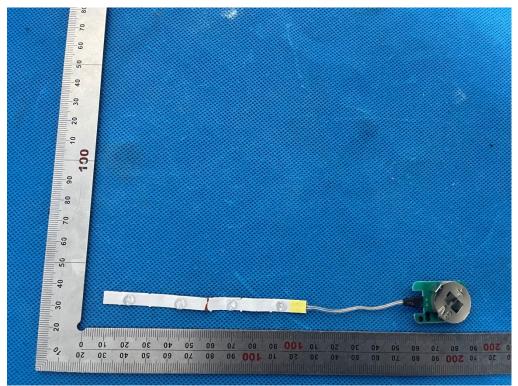


Fig.3 - Part view

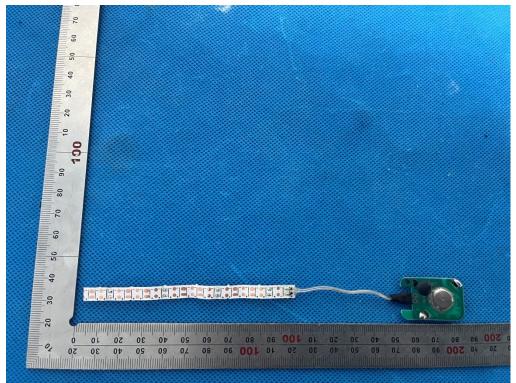


Fig.4 - Part view

---- End of Report -----

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

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Conditions of Issuance of Test Reports

- 1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
- 2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
- 3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
- 4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
- 5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
- 6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
- 7.Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
- 8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
- 9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.