

<b>TEST REPORT</b> <b>IEC 62471:2006</b> <b>Photobiological safety of lamps and lamp systems</b>	
Report reference No .....	RSZ151021550-03
Compiled by (+ signature) .....	Park Zeng <i>Park Zeng</i>
Approved by (+ signature) .....	Rick Xiao <i>Rick Xiao</i>
Date of issue .....	2015-10-23
Testing laboratory .....	Bay Area Compliance Laboratories Corp. (Dongguan)
Address .....	No.69 Pulong Village Puxinhu Industry Zone Tangxia,Dongguan, China.
Testing location .....	Same as above
Applicant .....	Guangzhou Hongli Opto-Electronic Co., Ltd.
Address .....	No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Standard .....	IEC 62471:2006
Test sample(s) received.....	2015-10-22
Test in period.....	2015-10-23
Procedure deviation .....	N.A.
Non-standard test method .....	N.A.
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Type of test object .....	LED Package
Trademark .....	None
Model/type reference .....	P2835W6H6-C04-8D1A01
Multiple models.....	P2835W7H6-C04-8D1A01    P2835W1H6-C04-8D1A01 P2835W2H6-C04-8D1A01    P2835W3H6-C04-8D1A01 P2835W4H6-C04-8D1A01    P2835W5H6-C04-8D1A01

Manufacturer.....:	Guangzhou Hongli Opto-Electronic Co., Ltd. No.1, Xianke Yi Road, Huadong Town, Huadu District, Guangzhou, China
Rating .....	15Vdc 120mA
Copy of marking plate: N/A	

<b>Test item particulars .....</b>	
Tested lamp.....:	LED
Tested lamp system.....:	N/A
<b>Lamp classification group.....:Exempt Group</b>	
Lamp cap.....:	N/A
Bulb.....:	N/A
Rated of the lamp .....	N/A
Furthermore marking on the lamp.....:	N.A.
Seasoning of lamps according EN standard .....	No seasoning
Used measurement instrument.....:	See appendix B for details
Temperature by measurement.....:	25.3°C
Information for safety use.....:	N.A

<b>Possible test case verdicts:</b>	
-test case does not apply to the test object.....:	N(.A.)
-test object does meet the requirement.....:	P(ass)
-test object does not meet the requirement.....:	F(ail)

**General remarks:**

The test results presented in this report relate only to the object tested.  
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**General product information:**

**ModMode3.84**

**0**

**0**

**-1.44**

FINAL























Table 6.1		Emission limits for risk groups of continuous wave lamps base on Directive(2006/25/EC)								P
Risk	Action spectrum	Units	Symbol	Exempt		Low risk		Mod risk		
				Limit	Result	Limit	Result	Limit	Result	
Actinic UV	Suv( )	W.m <sup>-2</sup>	E <sub>S</sub>	0.001	7.6×10 <sup>-6</sup>	0.003	-	0.03	-	
Near UV		W.m <sup>-2</sup>	E <sub>UVA</sub>	10	6.2×10 <sup>-5</sup>	33	-	100	-	
Blue light	B( )	W.m <sup>-2</sup> .sr <sup>-1</sup>	L <sub>B</sub>	100	21	10000	-	4000000	-	
Blue light,small source	B( )	W.m <sup>-2</sup>	E <sub>B</sub>	1*	1.3×10 <sup>-1</sup>	1	-	400	-	
Retinal thermal	R( )	W.m <sup>-2</sup> .sr <sup>-1</sup>	L <sub>R</sub>	28000/ =0.0105	1.4×10 <sup>4</sup>	28000/ =0.0105	-	71000/ =0.0105	-	
Retinal thermal, Weak visual stimulus**	R( )	W.m <sup>-2</sup> .sr <sup>-1</sup>	L <sub>IR</sub>	6000/ =0.0105	2.5	6000/ =0.0105	-	28000/ =0.0105	-	
IR radiation Eye		W.m <sup>-2</sup>	E <sub>IR</sub>	100	0	570	-	3200	-	

\* Small source defined as one with < 0,011 radian. Averaging field of view at 10000 s is 0,1 radian.  
\*\* Involves evaluation of non-GLS source









