




<b><u>TEST REPORT</u></b>	
<b><u>IEC/TR 62778:2014</u></b>	
<b><u>Photobiological safety of lamps and lamp systems</u></b>	
Report reference No .....	<u>BST190512541901YUR</u>
Date of issue .....	<u>2019-6-4</u>
Testing laboratory .....	<u>Shenzhen BST Technology Co., Ltd.</u>
Address .....	<u>Building No.23-24,Zhiheng Industrial Park,Guankouer Road,Nantou,Nanshan District,Shenzhen,Guangdong,China</u>
Testing location .....	<u>As above</u>
Applicant1 .....	<u>Shenzhen Jinghong Lighting Co.,Ltd</u>
Address .....	<u>Floor 01-02-04, Building E,Sanlian Industrial Zone, Tangtou community, Shiyuan Road,Bao'an District, Shenzhen,China</u>
Standard .....	<u>IEC/TR 62778:2014</u>
Test sample(s) received.....	<u>2019-5-29</u>
Test in period.....	<u>2019-5-29 to 2019-6-3</u>
Procedure deviation .....	<u>N.A.</u>
Non-standard test method .....	<u>N.A.</u>
<u>This test report is for the customer shown above and their specific product only. It may not be duplicated or used in part without prior written consent from Shenzhen BST Technology Co., Ltd. (Shenzhen). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.</u>	
Type of test object .....	<u>LED CLASSROOM LIGHTING</u>
Trademark .....	 Lighting
Model/type reference .....	<u>JH-SL40W-02</u>
Manufacturer.....	<u>Shenzhen Jinghong Lighting Co.,Ltd</u>
Rating .....	<u>See page 2 of 7</u>





Shenzhen BST Technology Co., Ltd.

BST190512541901YUR

Label for S-Rec-A002 (Representative):

Product: LED CLASSROOM LIGHTING  
Model: JH-SL40W-02  
Rated: AC 220-240~0.35A,40W,50/60Hz,5000K,Ra:94,RG0

Shenzhen Jinghong Lighting Co.,Ltd

Prepared by :

\_\_\_\_\_

Engineer

Reviewer :

\_\_\_\_\_

Supervisor

Approved & Authorized Signer :

\_\_\_\_\_

Manager



**Test item particulars .....**

Tested lamp .....: Continuous wave lamps  
Tested lamp system .....: According to lamp manufacture's recommendation  
**Lamp classification group.....**:  **exempt**  **risk 1**  **risk 2**  **risk 3**  
Lamp cap .....: N.A.  
Bulb.....: N.A.  
Rated of the lamp .....: See page 2  
Furthermore marking on the lamp.....: N.A.  
Seasoning of lamps according EN standard .....: Seasoned for 24h before measurement  
Used measurement instrument.....: NA  
Temperature by measurement.....: 25°C  
Information for safety use.....: N.A

**Possible test case verdicts:**

- 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.  
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.  
"(See Enclosure #)" refers to additional information appended to the report.  
"(See appended table)" refers to a table appended to the report.  
Throughout this report a point is used as the decimal separator.  
List of test equipment must be kept on file and available for review.  
This report consists of 7 pages and following appendices:

**General product information:**

**1) Description of the product**

-The product tested with model name listed below are LED CLASSROOM LIGHTING provided in accordance with the requirements of IEC/TR 62778:2014

See total model list:

	Product name	Model number
Basic	LED Road Light	JH-SL40W-02
Additional	LED Road Light	JH-SL40W-02, JH-SL36W-02, JH-SL30W-02, JH-SL25W-02

Except for the model number is different, the additional models are exactly same in shape of enclosure, construction, material and electronic circuit with the basic model **JH-SL40W-02**.

**2) Factory information:**

Factory: Shenzhen Jinghong Lighting Co., Ltd

Address: Floor 01-02-04, Building E, Sanlian Industrial Zone, Tangtou community, Shiyan Road, Bao'an District, Shenzhen, China

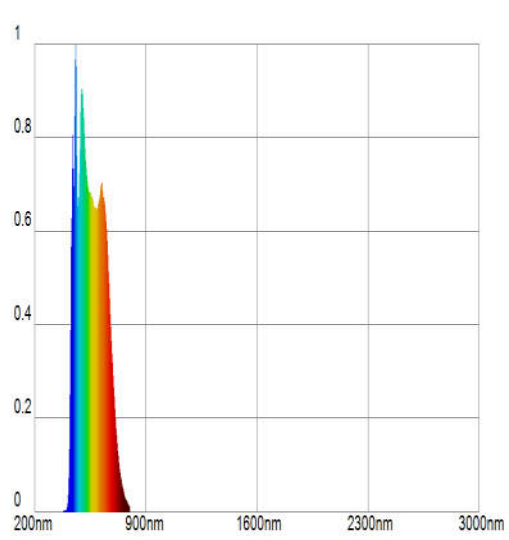
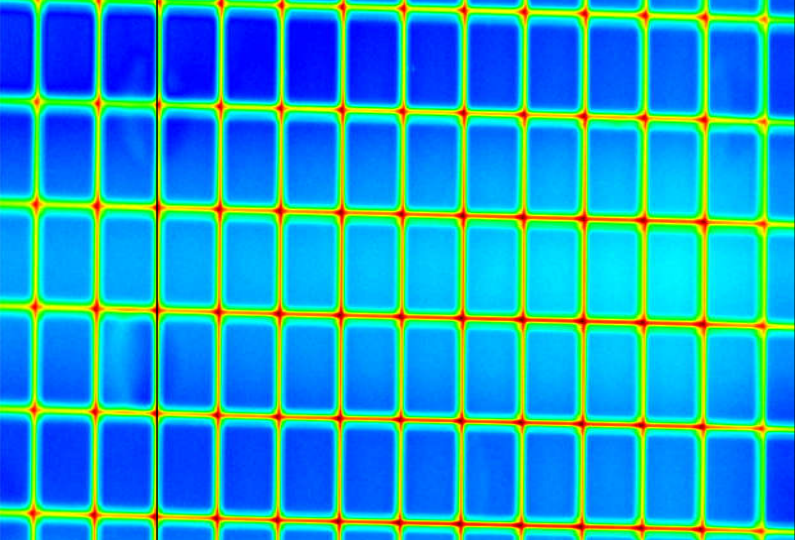
**3) Manufacturer's name or trade-mark of identification mark:**

Manufacturer's name: Shenzhen Jinghong Lighting Co., Ltd

Trade-mark:

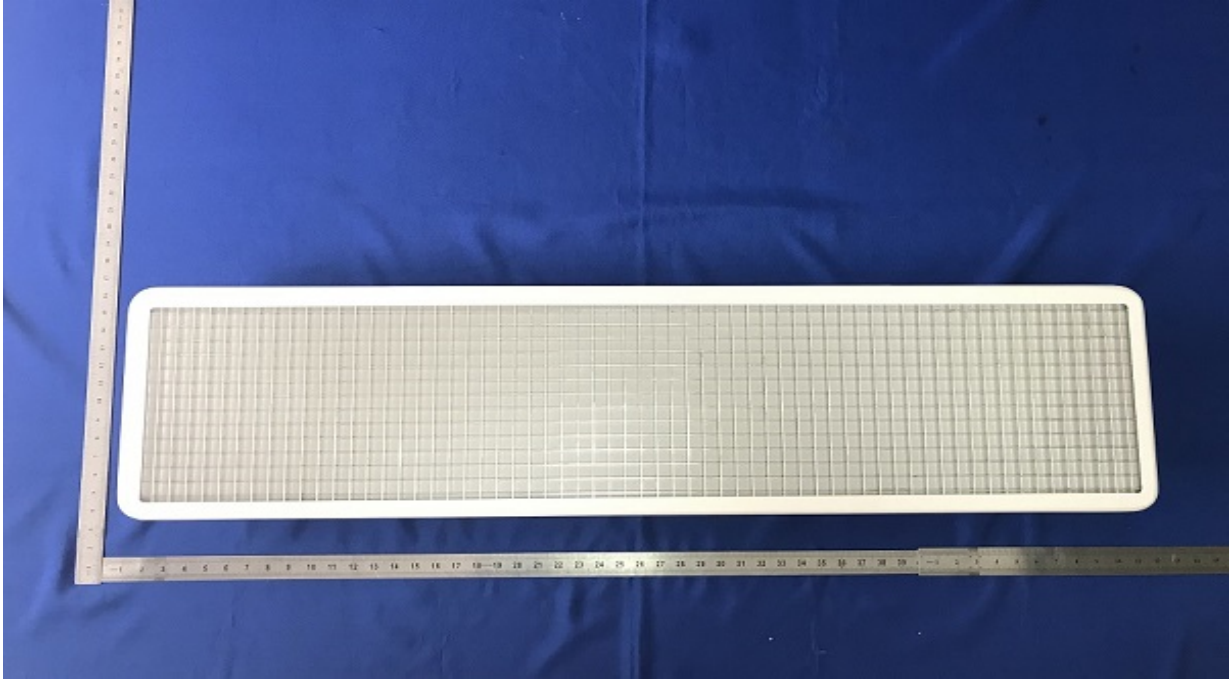


## Photobiological Safety Test Report of Light source1/3

Product Information			
Name	LED CLASSROOM LIGHTING	Made by	Shenzhen Jinghong Lighting Co.,Ltd
SN	40W	Sent by	BST
Model	JH-SL40W-02	Sent Date	2019/5/31
Test condition			
Measure Distance [mm]	1400.0	Stable Time[min]	1
Ref.FILE	IEC62778	Test Lab	BST
Lamp Type	CW	Tested by	Jeffery Zhang
Temperature[°C]	25.3	Approved by	Tom Wang
Humidity[%]	59	Testing Time	2019/6/3
Test Results			
			
Spectral distribution		Luminance distribution	
True luminance[cd·m-2]	3583.8		
Source diameter[mm]	240.2		
LB[W·m-2·sr-1]	2.27e+00		
E <sub>thr</sub> [lx]	1405.1		
I <sub>max</sub> [cd]	0.0		
d <sub>min</sub> [m]	0.0		
Risk Group Range	RG0 unlimited		
Electric Results			
Voltage[V]	229.7000	Current[A]	0.1710
Watt [W]	37.9000	Power Factor	0.9610

## Photobiological Safety Test Report of Light source2/3

### Sample picture



### Labeling

Ultraviolet hazard	Not required
Retinal blue light hazard or thermal hazard	Not required
Retinal thermal hazard, weak visual stimulus	Not required
Cornea/lens infrared hazard	Not required

### Explanation

Ultraviolet hazard	Not required
Retinal blue light hazard or thermal hazard	Not required
Retinal thermal hazard, weak visual stimulus	Not required
Cornea/lens infrared hazard	Not required

### Photobiological Safety Test Report of Light source3/3

WL(nm)	SPD	WL(nm)	SPD	WL(nm)	SPD	WL(nm)	SPD
380	5.9917e-06	485	2.0753e-03	590	1.7772e-03	695	7.8357e-04
385	5.5963e-06	490	2.3484e-03	595	1.7725e-03	700	6.9761e-04
390	6.7697e-06	495	2.4830e-03	600	1.8022e-03	705	6.0812e-04
395	7.1834e-06	500	2.4905e-03	605	1.8237e-03	710	5.3211e-04
400	1.0157e-05	505	2.3946e-03	610	1.8468e-03	715	4.6380e-04
405	2.2015e-05	510	2.2928e-03	615	1.8893e-03	720	4.0576e-04
410	5.7166e-05	515	2.1709e-03	620	1.9248e-03	725	3.4533e-04
415	1.5759e-04	520	2.0786e-03	625	1.9323e-03	730	2.9811e-04
420	3.7097e-04	525	2.0103e-03	630	1.8463e-03	735	2.5371e-04
425	7.7007e-04	530	1.9585e-03	635	1.8486e-03	740	2.1671e-04
430	1.5168e-03	535	1.9155e-03	640	1.8207e-03	745	1.9086e-04
435	1.7250e-03	540	1.8876e-03	645	1.7706e-03	750	1.6138e-04
440	2.2168e-03	545	1.8733e-03	650	1.7069e-03	755	1.4106e-04
445	1.8815e-03	550	1.8784e-03	655	1.6316e-03	760	1.1961e-04
450	1.9188e-03	555	1.8609e-03	660	1.5342e-03	765	9.8722e-05
455	2.6025e-03	560	1.8534e-03	665	1.4127e-03	770	8.0625e-05
460	2.7487e-03	565	1.8420e-03	670	1.2961e-03	775	7.0613e-05
465	2.0944e-03	570	1.8173e-03	675	1.1842e-03	780	6.1734e-05
470	1.7850e-03	575	1.7850e-03	680	1.0644e-03	785	5.2842e-05
475	1.7988e-03	580	1.7894e-03	685	9.6270e-04	790	4.0476e-05
480	1.8615e-03	585	1.7851e-03	690	8.7626e-04	795	3.3592e-05
						800	2.4724e-05