



No. 2012 - 0181

## Safety Certificate

- Manufacturer **SEMI LIGHTING Co., LTD**
- Address **#328-32 Docheogwit-ro Gwangju-Si Gyeonggi-do Republic of Korea**

The following equipment fabricated by the above manufacturer has been certified for the use of the Safety Certification Mark as the equipment is assessed and tested in accordance with the article 34 of the Occupational Safety & Health Act and the article 58 (4) 4 of the Enforcement Rule thereof.

- Product **LED Lighting Fixture(nR type)**
- Type(Model) **nR-L60-120**
- Rating **Max 240VAC 60W, 60Hz**
- Type of Protection **Ex nR II T5**
- Certification No. **12-GA2BO-0181**
- Safety Certification Standards **Notification of Protective device Mandatory Safety Certification (Notice of Ministry of Employment and Labor No. 2010-36)**
- Certification condition **1. Tamb = -20 ℃ ~ +40 ℃, Refer to the manual**
- Date of issue **March 30th, 2012**

Approved for issue on behalf of the president : *Ki youn Song*  
position *General Manager*

Signature



**Korea Gas Safety Corporation**



(Report No. : EUSI2013-3248)

1. Client

- Company : SEMI LIGHTING Co.,Ltd
- Representative : Seung-Ja Choi
- Address : #328-32 Docheongwit-ro, Docheok-myeon, Gwangju-si, Gyeonggi-do, Korea

2. Product

- Name : Explosion proof LED Lighting
- Manufacturing company & Model : AC 220 V, 60 Hz, 55 W  
Model : nR-L60-120

3. Use of Report : Use for Quality Control

4. Date of Receipt : 2013. 08. 19

5. Date of test : 2013. 08. 19 ~ 2013. 08. 27

6. Testing Methods : Standards at the clients' request

7. Environment

- Temperature : [ 25 ± 5 ] °C, Relative Humidity : [ 55 ± 10 ] % R.H.

8. Test Results : as stated in the annexed paper

副本

Affirmation	Tested by	Technical Manager
	Name : <b>Cho, Yong-Hoon</b> (signature)	Title : Team Manager Name : <b>Oh, Pyung-Sik</b> (signature)

- This report is based on the test and analysis performed with the sample(s) submitted by the client. Therefore, the report does not guarantee the quality of entire products.
- This report should not be used for advertising, lawsuit, etc. without any official permission of KTC. It is only used for the purpose of the quality test.
- The copy of this report is invalid for use.

2013. 08. 27.



## KOREA TESTING CERTIFICATION

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www.ktc.re.kr / Tel.: 031-455-7654, Fax.: 031-455-2926



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Test Subject	Test Requirement	Unit	Test result
Intensity distribution	Test by KS C 8000 annex 1	-	Attached
Input Wattage	Measured Value	W	55
Input Voltage	Measured Value	V	220
Input Frequency	Measured Value	Hz	60
Power Factor	Measured Value	-	0.96
Luminous Flux	Measured Value	lm	7 661
Luminous Efficiency	Calculated Value	lm/W	139
Color Rendering Index	Measured Value	-	85.6
correlated color temperature	Measured Value	K	5 157

