

TESTING CERTIFICATE



Certificate No : KOPTI-TL16-0179

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1. Client

Name : SEGI BIZ CO., LTD.

Address : 32, Saebyeokijang-ro, Sasang-gu, Busan 617-050, REPUBLIC OF KOREA

Date of Receipt : 2016. 03. 14.

2. Test Sample

Sample : Machine light

Manufacturer & Type : SEGI BIZ CO., LTD. / SG-LED-ML-280

3. Use of Report : For sales

4. Date of Test : 2016. 07. 14. ~ 2016. 07. 15.

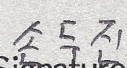
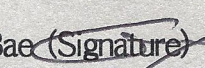
5. Test method used : KS C IEC 60529:2011

6. Testing Environment :

Temperature : (28.7 ± 0.6) °C Relative Humidity : (66 ± 4) % R.H.

7. Test Results : "Test Results" Note

8. Reason for reissue : Not applicable

Affirmation	Tested by	Technical Manager
	Name : DooJin Son (Signature) 	Name : SungWan Bae (Signature) 

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2016. 07. 21.

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Tel : +82-62-605-9295, Fax : +82-62-605-9288, www.kopti.re.kr / tncc@kopti.re.kr

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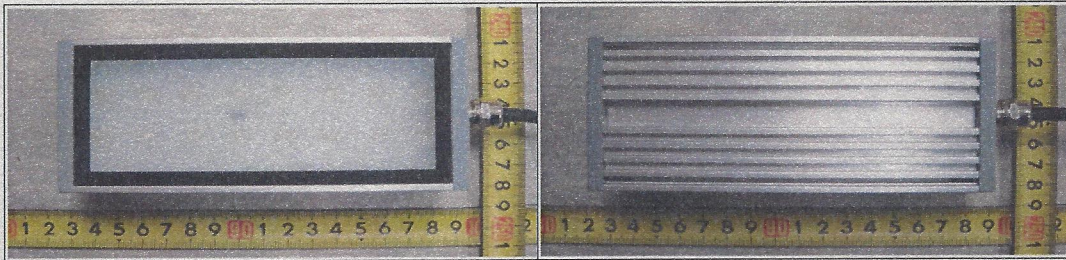
Test Results



Certificate No : KOPTI-TL16-0178

Page (2) / (2)Pages

1. Manufacturer : SEGI BIZ CO., LTD.
2. Product name / Model name : Machine light / SG-LED-ML-146
3. Sample Photos :



4. Test Results :

Code letters	IP	Test conditions & Test	Results
First Characteristics numerals	6	1. Test Conditions 1) Wire diameter : 50 μm 2) Width between wires : 75 μm 3) Amount of talcum powder of the test chamber : 2 kg/m^3 4) Sample Classification : Category 2 2. Test 1) Test duration : 8 hours	Pass
Second Characteristics numerals	5	1. Test Conditions 1) Internal Diameter of the Nozzle : 6.3 mm 2) Delivery rate : 12.5 L / min \pm 5 % 3) Core of the Substantial Stream: Circle of Approximately 40 mm diameter at 2.5 m distance from nozzle 4) Distance From Nozzle to Enclosure Surface : Between 2.5 m ~ 3 m 2. Test 1) Test duration : 3 min 2) Spray direction : All practicable directions	Pass

* Air pressure : 1005.8 mbar

End.



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1. Client

Name : SEGI BIZ CO., LTD.

Address : 32, Saebyeokijang-ro, Sasang-gu, Busan 617-050, REPUBLIC OF KOREA

Date of Receipt : 2016. 03. 14.

2. Test Sample

Sample : Machine light

Manufacturer & Type : SEGI BIZ CO., LTD. / SG-LED-ML-146

3. Use of Report : For sales

4. Date of Test : 2016. 07. 14. ~ 2016. 07. 15.

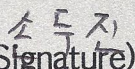
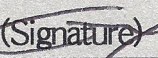
5. Test method used : KS C IEC 60529:2011

6. Testing Environment :

Temperature : $(28.7 \pm 0.6) \text{ }^\circ\text{C}$ Relative Humidity : $(66 \pm 4) \% \text{ R.H.}$

7. Test Results : "Test Results" Note

8. Reason for reissue : Not applicable

Affirmation	Tested by Name : Doolin Son (Signature) 	Technical Manager Name : SungWan Bae (Signature) 
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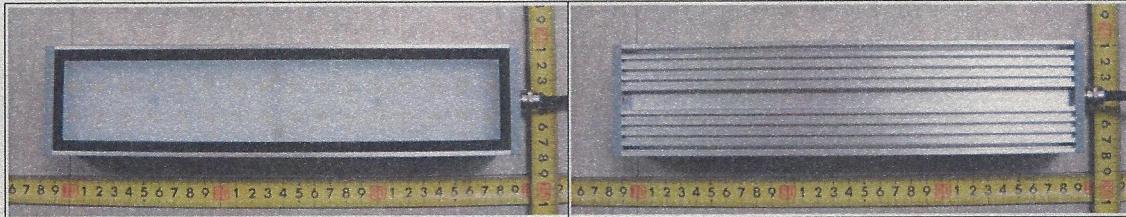
Test Results



Certificate No : KOPTI-TL16-0179

Page (2) / (2)Pages

1. Manufacturer : SEGI BIZ CO., LTD.
2. Product name / Model name : Machine light / SG-LED-ML-280
3. Sample Photos :



4. Test Results :

Code letters	IP	Test conditions & Test	Results
First Characteristics numerals	6	1. Test Conditions 1) Wire diameter : 50 μm 2) Width between wires : 75 μm 3) Amount of talcum powder of the test chamber : 2 kg/m^3 4) Sample Classification : Category 2 2. Test 1) Test duration : 8 hours	Pass
Second Characteristics numerals	5	1. Test Conditions 1) Internal Diameter of the Nozzle : 6.3 mm 2) Delivery rate : 12.5 L / min \pm 5 % 3) Core of the Substantial Stream: Circle of Approximately 40 mm diameter at 2.5 m distance from nozzle 4) Distance From Nozzle to Enclosure Surface : Between 2.5 m ~ 3 m 2. Test 1) Test duration : 3 min 2) Spray direction : All practicable directions	Pass

* Air pressure : 1005.8 mbar

End.



TESTING CERTIFICATE



Certificate No : KOPTI-TL16-0180

Page (1) / (2) Pages

1. Client

Name : SEGI BIZ CO., LTD.

Address : 32, Saebyeokijang-ro, Sasang-gu, Busan 617-050, REPUBLIC OF KOREA

Date of Receipt : 2016. 03. 14.

2. Test Sample

Sample : Machine light

Manufacturer & Type : SEGI BIZ CO., LTD. / SG-LED-ML-414

3. Use of Report : For sales

4. Date of Test : 2016. 07. 14. ~ 2016. 07. 15.

5. Test method used : KS C IEC 60529:2011

6. Testing Environment :

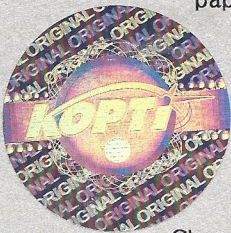
Temperature : (28.7 ± 0.6) °C Relative Humidity : (66 ± 4) % R.H.

7. Test Results : "Test Results" Note

8. Reason for reissue : Not applicable

Affirmation	Tested by Name : DooJin Son (소 두진) (Signature)	Technical Manager Name : SungWan Bae (Signature)
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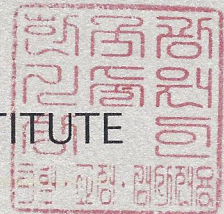
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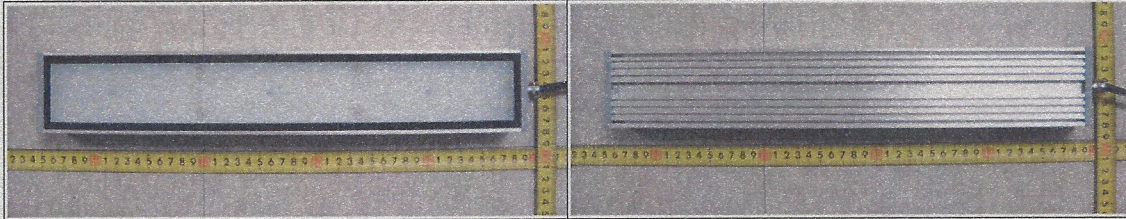
Test Results



Certificate No : KOPTI-TL16-0180

Page (2) / (2)Pages

1. Manufacturer : SEGI BIZ CO., LTD.
2. Product name / Model name : Machine light / SG-LED-ML-414
3. Sample Photos :



4. Test Results :

Code letters	IP	Test conditions & Test	Results
First Characteristics numerals	6	1. Test Conditions 1) Wire diameter : 50 μm 2) Width between wires : 75 μm 3) Amount of talcum powder of the test chamber : 2 kg/m^3 4) Sample Classification : Category 2 2. Test 1) Test duration : 8 hours	Pass
Second Characteristics numerals	5	1. Test Conditions 1) Internal Diameter of the Nozzle : 6.3 mm 2) Delivery rate : 12.5 L / min \pm 5 % 3) Core of the Substantial Stream: Circle of Approximately 40 mm diameter at 2.5 m distance from nozzle 4) Distance From Nozzle to Enclosure Surface : Between 2.5 m ~ 3 m 2. Test 1) Test duration : 3 min 2) Spray direction : All practicable directions	Pass

* Air pressure : 1005.8 mbar

End.



TESTING CERTIFICATE



Certificate No : KOPTI-TL16-0181

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1. Client

Name : SEGI BIZ CO., LTD.

Address : 32, Saebyeokijang-ro, Sasang-gu, Busan 617-050, REPUBLIC OF KOREA

Date of Receipt : 2016. 03. 14.

2. Test Sample

Sample : Machine light

Manufacturer & Type : SEGI BIZ CO., LTD. / SG-LED-ML-548

3. Use of Report : For sales

4. Date of Test : 2016. 07. 14. ~ 2016. 07. 15.

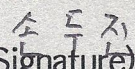
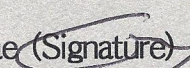
5. Test method used : KS C IEC 60529:2011

6. Testing Environment :

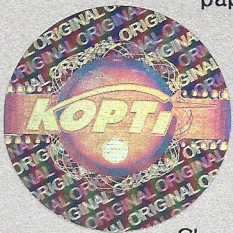
Temperature : (28.7 ± 0.6) °C Relative Humidity : (66 ± 4) % R.H.

7. Test Results : “Test Results” Note

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Affirmation	Tested by Name : Doolin Son (Signature) 	Technical Manager Name : SungWan Bae (Signature) 
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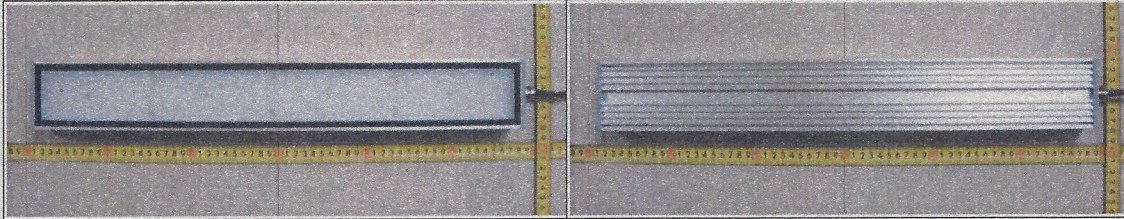
Test Results



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1. Manufacturer : SEGI BIZ CO., LTD.
2. Product name / Model name : Machine light / SG-LED-ML-548
3. Sample Photos :



4. Test Results :

Code letters	IP	Test conditions & Test	Results
First Characteristics numerals	6	1. Test Conditions 1) Wire diameter : 50 μm 2) Width between wires : 75 μm 3) Amount of talcum powder of the test chamber : 2 kg/m^3 4) Sample Classification : Category 2 2. Test 1) Test duration : 8 hours	Pass
Second Characteristics numerals	5	1. Test Conditions 1) Internal Diameter of the Nozzle : 6.3 mm 2) Delivery rate : 12.5 L / min \pm 5 % 3) Core of the Substantial Stream: Circle of Approximately 40 mm diameter at 2.5 m distance from nozzle 4) Distance From Nozzle to Enclosure Surface : Between 2.5 m ~ 3 m 2. Test 1) Test duration : 3 min 2) Spray direction : All practicable directions	Pass

* Air pressure : 1005.8 mbar

End.

