



Technical Report No. 68.140.15.440.01

Dated 2015-10-30

Client: Name: Shenzhen GK Lighting Co., LTD
Address: 5F, Building D, Xinyongfeng-tianxin Industrial Park, Kengwei Road, Shangwu Community, Shiyan Town, Baoan District, Shenzhen, Guangdong Province, China
contact person: Mr. Yuan

Manufacturing place: Manufacturer's name: same as client
Address: same as client
Factory's name: same as client
Address: same as client

Test subject: Product: Plastic enclosure of Hi Voltage LED injection module
Type: -

Test specification: Ball pressure test according to EN 60598-1:2015 clause 13.2.1
Needle flame test according to EN 60598-1:2015 clause 13.3.1
Glow wire test according to EN 60598-1:2015 clause 13.3.2

Purpose of examination:

- ☐ inspection according to specified requirements to realize the conformity with the Produktsicherheitsgesetz –ProdSG, version Nov 08, 2011
- ☐ inspection according to specified requirements to realize the observance of the protection aims of the following EC directives:
 - ☐ LVD directive 2014/35/EU
 - ☐ EMC directive 2014/30/EU
- ☒ Test according to the test specification

Test result: The test results show that the presented products are in compliance with the specified requirements

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1 Description of the test subject

1.1 Function

☒ Manufacturer's specification for intended use:
Plastic material of LED module.

☐ Manufacturer's specification for predictive misuse:

1.2 Consideration of the foreseeable misuse

- ☐ Not applicable
☒ Covered through the applied standard
☐ Covered by the following comment
☐ Covered by attached risk analysis

2 Order

2.1 Date of Purchase Order, Customer's Reference

2015-10-14

2.2 Receipt of Test Sample, Location

3 samples were received on 2015-10-14; 1 sample was received on 2015-10-26;
EnE Department, Shenzhen.

2.3 Date of Testing

2015-10-14 to 2015-10-30

2.4 Location of Testing

Building 12&13, Zhiheng Wisdomland Business Park Nantou Checkpoint Road 2, Nanshan District 518052 Shenzhen CHINA

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None

3 Test Results

3.1 Ball pressure test (clause 13.2.1 of EN 60598-1:2015)

Description of test specimens	Test temperature(°C)	Measured impression(mm)	Limit (mm)	Result
Plastic material	75	0.9	2.0	Pass

3.2 Needle flame test (clause 13.3.1 of EN 60598-1:2015)

Part under test	Applying needle flame time	Duration of burning (after 10s needle flame)	observation	Result
Plastic material	10s	0s	No flame, no drop	Pass

3.3 Glow wire test (clause 13.3.2 of EN 60598-1:2015)

Part/ material	Test temp. (°C)	Duration ti(s)	Duration te(s)	Flame height (mm) / 1 s	Result
Plastic material	650	0	0	0	Pass

ti: the duration from the beginning of tip application up to the time at which the specimen or the layer placed below it ignites;

te: the duration from the beginning of tip application up to the time when flames extinguish during or after the period of application;

Flame height: max. height of any flame but disregarding the start of the ignition, which may produce a high flame for a period of approx. 1 s.

4 Remark

Nil

5 Documentation

Nil

6 Summary

The test specifications are met.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Engineer:



Arthur Chen
Project Handler

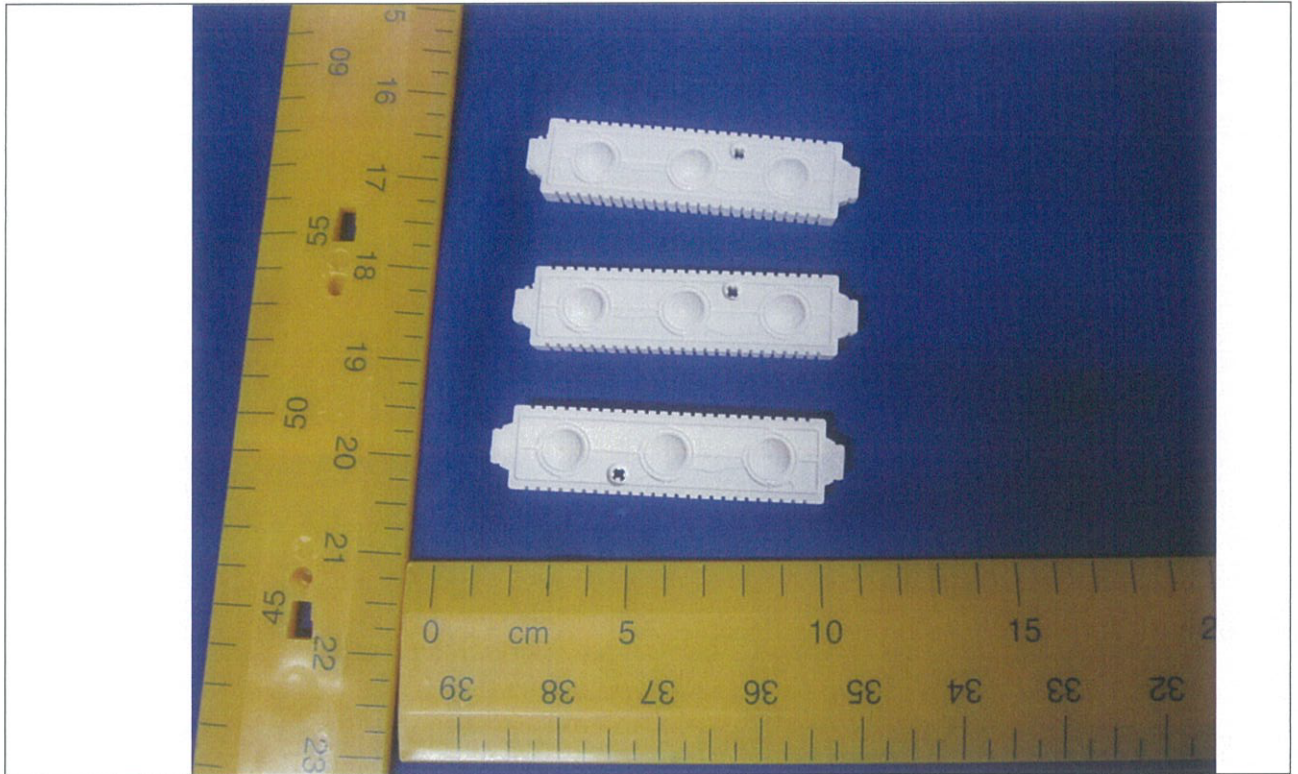
Technical Report checked:



David Zhao
Designated Reviewer

Photo documentation

Details of: Over view



End of the photo documentation