

# Technical Report



## Technical Report No.:

**Date: 2022-09-22**

Client: Report holder's name: LA LUCE LIGHTING

Report holder's Address: Via Monte Nevoso, 20131 Milano. Italy

Contact person of report holder: N/A

Manufacturer's name: LA LUCE LIGHTING

Manufacturer's address: Via Monte Nevoso, 20131 Milano. Italy

Factory: Factory's name: LA LUCE LIGHTING

Factory's address: Via Monte Nevoso, 20131 Milano. Italy

Test object: Product: LED downlight

Model: NIC M

Trade mark: LA LUCE

Test specification: IEC 60598-2-3:2002+AMD1:2011, IEC 60598-1:2020 and the client's specification

Purpose of examination: Test according to client's requirement to evaluate test result and the test specification and for the following items:  
IP65 Test of IEC 60598-2-3:2002+AMD1:2011 and IEC 60598-1:2020

Test result: The test results show that the presented products are in compliance with the client's requirement.

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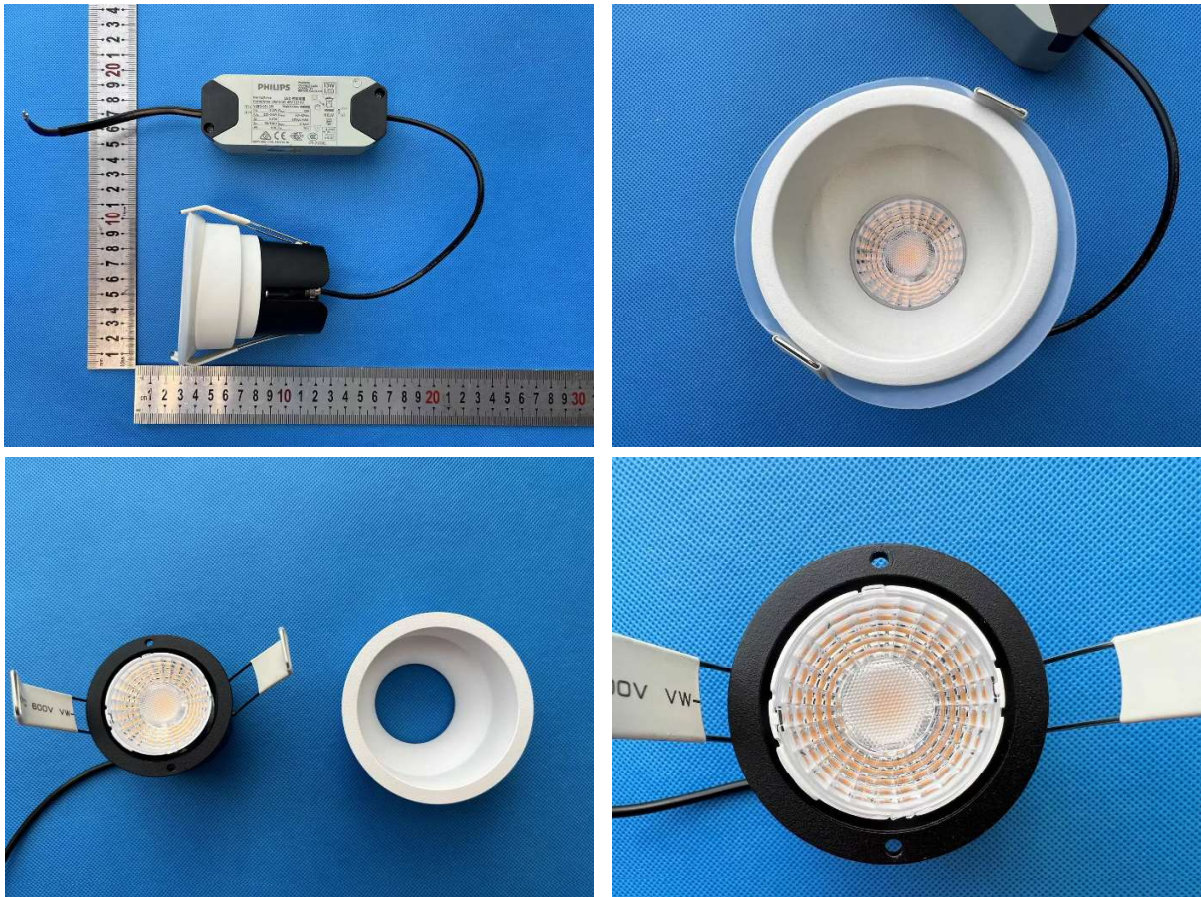


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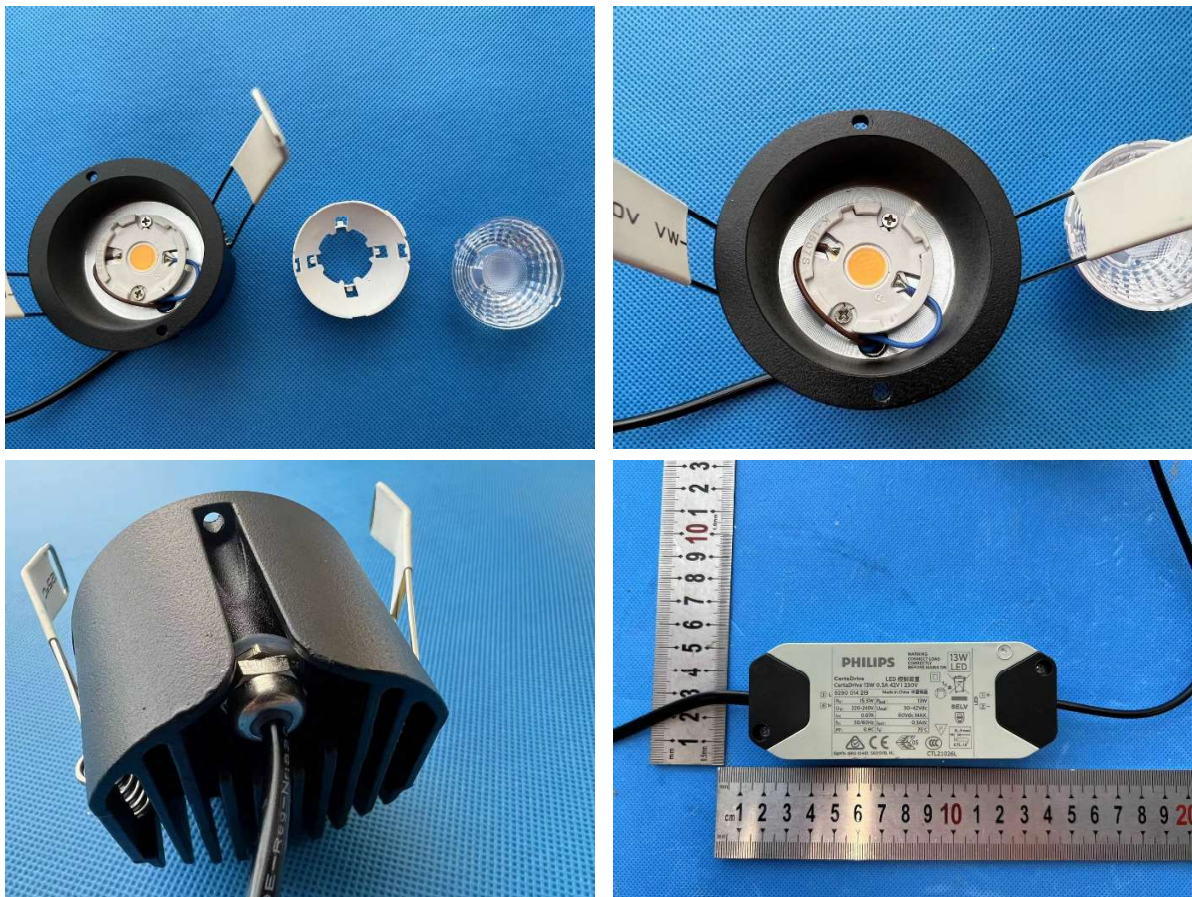
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## 1. Description of the test object

### 1.1 Picture(s)







## 1.2 Function

Manufacturer's specification for intended use: see user manual

Manufacturer's specification for predictive use: see user manual

## 1.3 Consideration of the foreseeable use

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

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## 1.4 Technical Data

Model	NIC M
Rated Voltage (V)	220-240 VAC
Rated Frequency (Hz)	50/60 Hz
Rated Power (W)	12W
Protection Class	Class II
Degree of Protection	IP65
ta	25 °C
CCT	3000K

## 2. Order

### 2.1 Date of Purchase Order, Customer's Reference

2022-09-17

### 2.2 Test Sample(s)

- Reception date(s): 2022-09-18
- Location(s) of reception: Shenzhen
- Condition of test sample(s): Good

### 2.3 Date(s) of Testing 2022-09-18

### 2.4 Location(s) of Testing TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch

### 2.5 Points of Non-Compliance or Exceptions of the Test Procedure

- None

## 3. Test Results

☒ Decision rule according to IEC Guide 115:2021, clause 4.4.3, 4.5.1 was applied.

### 3.1 Test Instruments

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Equipment	Model	Brand/ Manufacturer	Calibration due date
Torque screw driver	12RTD	TOHNICHI	2023-04-24
Torque spanner	60DB4	TOHNICHI	2023-04-24
Water jet tester	IPX5-X6	DONGLI	2023-04-24
Sand chamber	SC-1A	DONGLI	2023-04-24
Withstanding voltage tester	7451	Extech Electronics	2023-04-24

## 3.2 Test Result

<b>3.13 (9)</b>	<b>RESISTANCE TO DUST AND MOISTURE</b>	<b>P</b>
3.13.1 (-)	If IP > IP 20 the order of tests as specified in clause 3.12	P
3.13 (9.2)	Tests for ingress of dust, solid objects and moisture:	P
	- classification according to IP .....: IP65	—
	- mounting position during test .....: As normal use	—
	- fixing screws tightened; torque (Nm).....: 6.25Nm for gland; 0.5Nm, for screws	—
	- tests according to clauses .....: 9.2.2 & 9.2.7	—
	- electric strength test afterwards	P
	a) no deposit in dust-proof luminaire	N/A
	b) no talcum in dust-tight luminaire	P
	c) no trace of water on current-carrying parts or on insulation where it could become a hazard	P
	c.1) For luminaires without drain holes – no water entry	P
	c.2) For luminaires with drain holes – no hazardous water entry	N/A
	d) no water in watertight, pressure watertight, high pressure and temperature water jet-proof or high pressure and cold water jet-proof luminaire	N/A
	e) no contact with live parts (IP 2X)	N/A
	e) no entry into enclosure (IP 3X and IP 4X)	N/A

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	e) no contact with live parts through drain holes and ventilation slots (IP3X and IP4X)		N/A
	f) no trace of water on part of lamp requiring protection from splashing water		N/A
	g) no damage of protective shield or glass envelope		N/A

## 4. Remarks

### 4.1 General

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

- 4.2** When the product is placed on the market, it must be accompanied with safety Instructions written in official language of the country. The instructions shall give information regarding safe operation, installation and maintenance
- 4.3** When measurement results are close to limit value of specified requirement, manufacturer shall take actions during the production process to keep the limit, especially if the result of a measurement is in a bandwidth within  $\pm 10\%$  to the limit value.

## 5. Documentation

N/A

## Technical Report



### 6. Summary

The test specifications are met.

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

Tested by:

Approved by:

--- End of Report ---