






TEST REPORT

Kunde: <i>Client:</i>	Aurora (Shanghai) Technology Co., Ltd
Adresse: <i>Address:</i>	Room 221, 2F, Building 6, No.7001, Zhongchun Road, Minhang District, Shanghai
Hersteller: <i>Manufacturer:</i>	Aurora (Shanghai) Technology Co., Ltd
Adresse: <i>Address:</i>	Room 221, 2F, Building 6, No.7001, Zhongchun Road, Minhang District, Shanghai
Name der Marke: <i>Brand Name:</i>	N/A
Beschreibung des Produkts: <i>Product Description:</i>	LED Recessed spot Light
Modelle: <i>Models:</i>	IS0002-LED07-3090-36D
Bewertung: <i>Rating:</i>	AC220V, 50/60Hz, 7W
Verfahren: <i>Method:</i>	ANSI/UL 1598-2008, Sections 19
Prüfergebnis*: <i>Test result*:</i>	Pass

Datum der Prüfung: <i>Date of Test:</i>	Datum der Emission: <i>Date of Issue:</i>	Klassifizierung: <i>Classification:</i>	Gegenstand der Prüfung: <i>Test item:</i>
2023-07-27	2023-08-01	Commission Test	ISTMT Test

Prüflabor (Testlabor) / Testing Laboratory:
Shenzhen Southern LCS Compliance Testing Laboratory Ltd.
101-201, No.39 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, China

Test von/Test by:  Yeoh Zhang/ Project Engineer	Check von/Check by:  Torres He/ Director	Genehmigt von/Approved by:  Jesse Liu/ Manager
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Modified Information

Version	Report No.	Revision Date	Summary
V1.0	LCSB051823013S	/	Original Version

General product information:

Measurement was conducted at a stable ambient temperature 25°C±1°C

Model List:

Item	Model	Rating
1	IS0002-LED07-3090-36D	AC220V, 50/60Hz, 7W

LED specification:

Model/Series	Manufacturer	VF (V)	IF (mA)
IS0002-LED07-3090-36D	Aurora (Shanghai) Technology Co., Ltd	36Vdc	450mA

Equipment list:

Equipment No.	Equipment Name	Specification data	Cal. Date
SLCS-S-004	Digital Power Meter	YOKOGAWA/ WT210 / 91L424211	2023.5.9
SLCS-S-011	Thermocouple	DE AO/J	2022.11.9
SLCS-S-210	Temperature rising recorder	34972A	2023.5.9





1. GENERAL INFORMATION

1.1 Product Information

Information of product:	
Product description	LED Recessed spot Light
Model Number	IS0002-LED07-3090-36D
Manufacturer of LED Driver	Shenzhen DOME Microelectronics Co., Ltd.
LED Driver models	JDE7
Rated Inputs	AC220V, 50/60Hz,
Rated Power	7W
Declared CCT.	3000K
LED Package, Array or Module	1 pcs LED chip(s)
Date of Receipt Samples	2023-07-27
Quantity of Receipt Samples	1 unit
Information of LED chip:	
LED Chip Manufacturer	Aurora (Shanghai) Technology Co., Ltd
LED type	--
Model of the LED chip(s)	IS0002-LED07-3090-36D
Forward voltage of the LED chip	36Vdc
Forward current of the LED chip	450mA
ISTMT temperature of the LED chip	105°C
IES LM-80 Test Report	Report No.: LCS220107071BS Issue Date: 2023-07-27 Tested and Prepared by: Shenzhen Southern LCS Compliance Testing Laboratory Ltd.





1.2 Reference Standards or Methods

The following standards are partly or totally used or referenced for test

Standard	Method
ANSI/UL 1598: 2008	In-Situ Temperature Measurement Test is conducted according to the ANSI/UL 1598-2008, Sections 19.7, 19.10-16. The testing was conducted in a room with ambient temperature of 25°C±5°C. The apparatus construction followed those described in UL1598-2008 for normal temperature testing. Thermocouples were placed on the LED package and LED driver in the locations indicated by LM-80 report and driver . The temperature was recorded after the lamp was operating for a minimum of 7.5 hours.

2. Test Result of ISTMT

2.1 Electrical data

Criteria Item	Result
Input voltage	220V~, 50Hz
Input current	0.067A
Total power	6.99W
Power factor	0.448
Current on each LED module	180mA
Remark: There is 1pcs LED chip in models IS0002-LED07-3090-36D, That we are measurement the current of driver output was 180mA,	

2.2 Temperature data

Ambient Temperature, °C :	25±1°C	Relative Humidity, %Rh :	45%Rh~70%Rh	
Supply voltage:	220V~, 50Hz	Type of thermocouples:	J	
Test Product Model	IS0002-LED07-3090-36D			
Test LED Model	IS0002-LED07-3090-36D			
Test LED Driver Model	JDE7			
Test Duration	≥3.5Hours			
Item	Parts	Test Result (°C)	Revise to ta. (°C)	Limit (°C)
1	Measured maximum Temperature @ TEMLED	76.8	76.7	105
2	Ambient	25.1	25.0	--



3. Photos

3.1 Thermocouple contact photo of @ TEM_{LED}

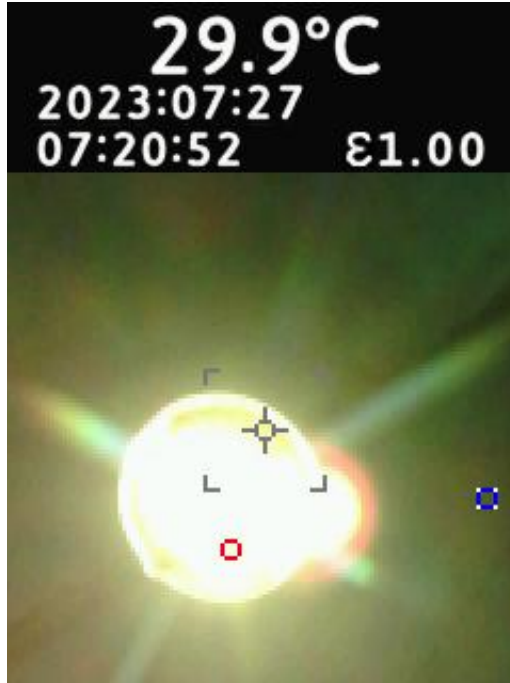


Figure 1



Figure 2



3.2 Product Photos

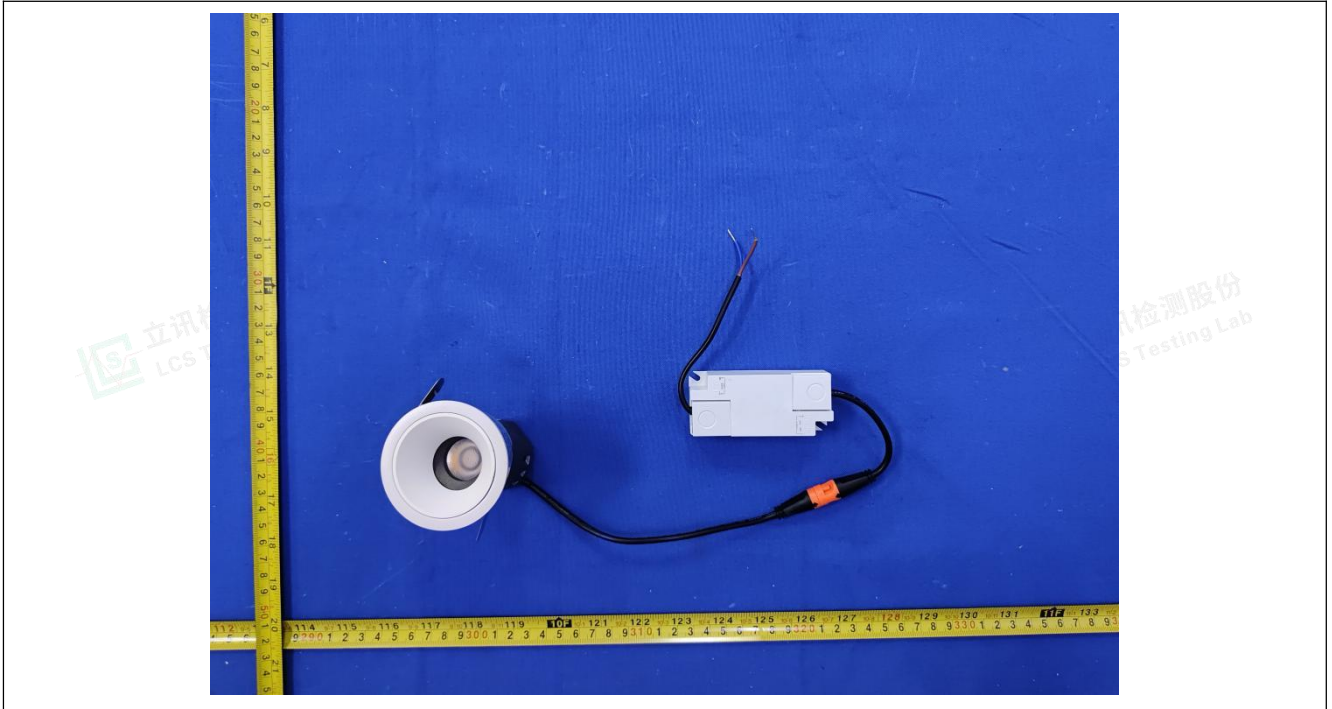


Photo 1

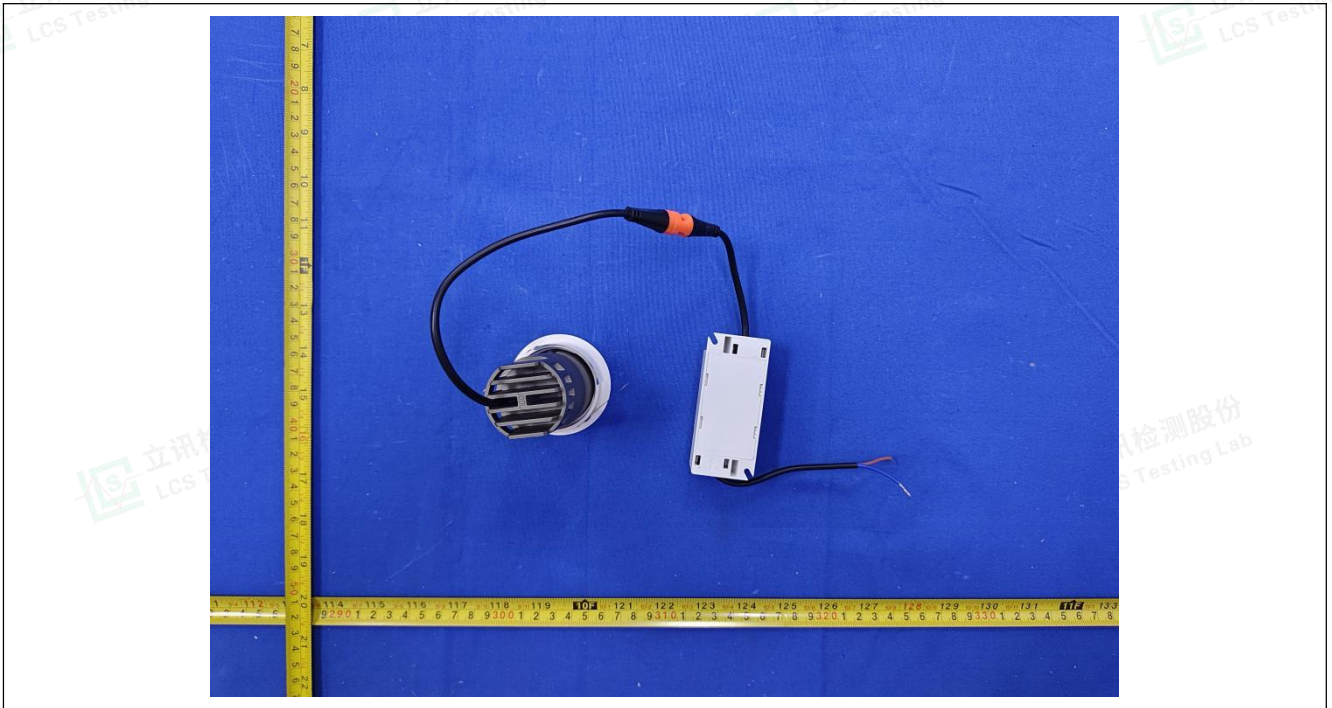

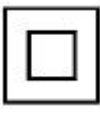




Photo 2





LED Recessed spot Light
Model: IS0002-LED07-3090-36D
AC220V, 50/60Hz, 7W

    ta 45°C,

IP44(Parts below the ceiling space)
IP20(Parts within the ceiling space).

Aurora (Shanghai) Technology Co., Ltd
Room 221, 2F, Building 6, No.7001, Zhongchun Road,
Minhang District, Shanghai

Importer: xxxxxxxx
Address: xxxxxxxx

MADE IN CHINA

Photo 3(label)

----- End of test report -----

