



## Test Report - Cover Page

<b>Customer Name:</b>	PARAGON SEMICONDUCTOR LIGHTING TECHNOLOGY CO LTD
<b>Address:</b>	3F No 369 Sec 2 Wenhua 2Nd Rd Linkou Dist New Taipei City, 244 TW

<b>Model Name(s):</b>	LED Luminaire
<b>Model Number(s):</b>	TTL-RH-035-50-120V
<b>Electrical Ratings:</b>	120V, 60 Hz
<b>Reference test standard:</b>	IEC 60529(2013), IEC 60598-1(2020)
<b>Test date:</b>	2025-10-28~2025-10-29

<b>UL Project No.- Report ID:</b>	4791927153.1-1a		
<b>Project Handler:</b>	Silvia Wu	<b>Reviewed by:</b>	Michael Chang
<b>Issued:</b> (yyyy-mm-dd)	2025-11-28	<b>Revised:</b> (yyyy-mm-dd)	2025-11-28

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Degree of protection provided by enclosures IP Testing Report

Applicant : PARAGON SEMICONDUCTOR LIGHTING TECHNOLOGY CO., LTD.  
Applicant Address : 3F., No. 369, Sec. 2, Wenhua 2nd Rd., Linkou Dist., New Taipei  
City 24458, Taiwan (R.O.C.)  
Sample : LED Luminaire  
Model : TTL-RH-035-50-120V  
Load Type/Quantity : LED Module 35 W × 1PCS  
Rated Voltage/Frequency : AC 120 V/60 Hz  
Testing Voltage/Frequency : AC 120 V/60 Hz  
Dimensions : L 320.8 mm × W 110 mm × H 139 mm  
Standard : IEC 60529(2013) 、 IEC 60598-1(2020)  
Sampling procedure : Sent by applicant  
Date of receipt : Oct. 23, 2025  
Testing date : Oct. 28, 2025 ~ Oct. 29, 2025  
Testing Engineer : Yu-Fen, Liao  
Laboratory : Jing Hong Examine Technology Co., Ltd.  
Result of test : IP68, Result of test see page 3~4.  
Publish date : Nov. 03, 2025



Report signee : Huang Peng Tai



5. Waterproof Description of test :

Test items	Standards of test	Result of test
Degrees of protection against water	Test Standard : IEC 60598-1 <b>[ sec.9 ]</b> IEC 60529 <b>[ sec.14.1 ]</b> <b>[ sec.14.2.8 ]</b> <b>[ sec.14.3 ]</b> Test Method : The luminaire is placed in the general environment are heated either by switching on the lamp, so that the temperature of the luminaire enclosure exceeds that of the water in the test tank by between 5 °C and 10 °C, switched off begin testing. a) Luminaires shall be held in position by their normal fixing means. b) Immersed in water that there is located 1100 mm below the surface of the luminaire enclosure. c) Test duration : 35 minute. d) Test water pressure : 110 gw/cm <sup>2</sup> e) Test water depth : 1100 mm f) Water temperature : 29.9 °C g) Temperature of the luminaire enclosure : 39.8 °C	The protection is satisfactory.

6. Dielectric strength of test :

Item	Test	Dielectric strength	Result
Between live parts and mounting surface		Tested at AC 1240 V for one minute with no abnormality, 0.18 mA leakage current	Pass
Between live parts and metal parts		Tested at AC 1240 V for one minute with no abnormality, 0.18 mA leakage current	Pass
between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts		Tested at AC 1240 V for one minute with no abnormality, 0.18 mA leakage current	Pass

Please note : The determination rules for this test report do not require incorporating the contribution of measurement uncertainty.



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