

## T e s t R e p o r t

**Report No.** : L19190  
**Client** : Liteplan Ltd  
Apex House  
Bryant Avenue  
Romford  
Essex  
RM3 0AP  
**Description** : Recessed LED Device (Open Area Lens) - Front face only  
**Manufacturer** : Liteplan Ltd  
**Type/Model** : LED.43.OA.W  
**Test Specification** : BS EN 60598-1:2015+A1:2018 (Section 9 only - tests for resistance to solid objects and moisture – IP54 front face only)  
**Date(s) of Testing** : 27/05/2020 – 03/06/2020  
**Conclusion** : Refer to body of report  
**Date of Issue** : 10/06/2020

**Tested by:** **A. RUIZ JIMENEZ**  
**Position:** Laboratory Engineer



**Approved by:** **K. DOBROWOLSKI**  
**Position:** Technical Lead –  
Product Safety



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## **INTRODUCTION**

Liteplan Ltd have supplied the product identified in Table 1. for determination of Ingress Protection rating in accordance with the specification detailed on page one of this report.

## **PRODUCT DETAILS**

**Table 1. Test Sample Details**

Product Description	Recessed LED Device (Open Area Lens) - Front face only
Model No.	LED.43.OA.W
Number of Samples	One
Date of Receipt	18/05/2020
Condition on Receipt	Good
Nominal Dimensions	L325mm x Ø50mm
Classification	Luminaire Class III (class II with detachable lamp control gear) IP54 front face only
Product Supply Requirement	cl. III: 700mA DC cl. II:220-240V 50/60Hz
Lamp Type and Power	2.4W LED
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

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## **RESULTS**

<u>CLAUSE</u>	<u>CLAUSE TITLE AND RESULT</u>
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<b>9.</b>	<b><u>RESISTANCE TO SOLID OBJECTS AND MOISTURE</u></b>
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The luminaire was subjected to tests for ingress of solid objects and water in accordance with the requirements of BS EN 60598-1. Section 9. At the end of the test period the sample luminaire was examined with the following results:

<b>9.2.1</b>	<b><u>TEST FOR INGRESS OF DUST</u></b>
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The luminaire was subjected to the test for ingress of dust for dust-proof luminaires (ingress protection classification IP5X (front face only)), during the post-test inspection no talcum powder deposits were observed inside the luminaire.

<b>9.2.5</b>	<b><u>TEST FOR INGRESS OF WATER</u></b>
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The luminaire was subjected to the test for ingress of water for splash-proof luminaires (ingress protection classification IPX4 (front face only)), during the post-test inspection no water ingress was observed inside the luminaire.

Upon completion of the above test the luminaire was immediately subjected to the electric strength test specified in section 10.2.2 of the standard, no failure was observed.

The sample is therefore deemed to comply with the requirements for ingress protection classification IP54 (front face only).

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**DEVIATION(S) FROM TEST STANDARD**

No reported deviations from test standard.

**ILLUSTRATION**



Figure 1. Product image



Figure 2. Lamp control gear image

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**Figure 3. Interconnection cable image**

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**End**