

T e s t R e p o r t

Report No : L18946 Amd1

Client: : Dextra Group Ltd
Brickfields Business Park
Gillingham
Dorset
SP8 4PX

Description : 1200X300 MOD Secure Recessed Luminaire

Manufacturer : Dextra Group Ltd

Type/Model : DIL-0349-0001


Test Specification : Environmental design guide adult medium secure services
Annex B: Testing Levels
Type 1, Type 2, and Type 4

Dates of Testing : 20/12/2019 - 08/01/2020, Reviewed 29/11/2023

Conclusion : Refer to body of report

Date of Issue : 01/12/2023

Tested by: **K. MERRILLS**
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INTRODUCTION

Dextra Group Ltd have supplied the technical drawings for the product identified in Table 1. for evaluation in accordance with the specification detailed on page one of this report.

Note: This amendment 1 is to review and re-issue the report. The test specification and product specifications have not changed since initial test.

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	1200X300 MOD Secure Recessed Luminaire
Model No.	DIL-0349-0001
Number of Samples	One
Condition on Receipt	Good
Nominal Dimensions	L1200mm x W306mm x H120mm
Product Supply Requirement	220-240V ~ 50/60Hz
Lamp Type and Power	LED Module
Sampling Method: Test samples selected and supplied by client; no sampling method specified by client.	

TEST PROCEDURE

The testing was carried out as per Environmental design guide adult medium secure services Annex B: Testing Levels Type 1, Type 2 and Type 4

Type 1: An attack on a component or element of construction using an implement or weapon.

The product was mounted as per instructions and attacked by the mean of 36X36X100 mm hardwood shaft (density 660kg/m³) chamfered at one end to replicate the jagged edge/arises/etc of a vandalised component, to be planed and all arises rounded.

The product was subjected to sustained attacked for a period of 15 minutes (maximum potential period for a patient to work undetected on a component, notwithstanding the noise that this would create), including hitting with the flat section of the weapon a minimum of 10 consecutive blows, attacking end-on with the non-chamfered end of the weapon for a minimum of 10 consecutive blows and, where testing a component, prizing away from the structure to which it is fixed by the chamfered end of the weapon (the latter applies to the whole or any part of the component).

Continued on following page

This page is to be read in conjunction with the first page of this report

TEST PROCEDURE

Type 2: Attack by punching or kicking.

The product was mounted as per instructions and attacked by the means of 1.2 kg rubber mallet (75 mm).

The product was subjected to a sustained attack with implement comprising of 15 consecutive blows commencing each blow with the implement withdrawn a minimum of 1000 mm away from the component/element of construction.

Type 4: The testing of the item and its fixings up to and including destruction.

The product was mounted as per instructions and attacked by appropriate tools and equipment or items that a patient may be able to obtain or have access to. (For example, a metal teaspoon, zip components, metal spring from hi-fi headsets, etc).

The product was subjected to a sustained attack for a period of 45 minutes or until the item or its fixings fail, whichever is the soonest.

The product complies with the above requirement as

- It exhibits no significant failure resulting in the removal of the whole or part of the component
- It did not break, or fracture enabling its use as a weapon or means of self-harm
- There was no escape or exposure to live electrical wiring, high-temperature pipe work or any other vulnerable services.

Continued on following page

RESULTS

Type 1. An attack on a component or element of construction, using an implement or weapon.

The sample was deemed to comply with the requirements because, after the test, there were no visible damages to the Luminaire and no live parts were accessible.

Type 2. An attack on a component or element of construction, using punching or kicking.

The sample was deemed to comply with the requirements because, after this test, there were no visible damages to the Luminaire and no live parts were accessible.

Type 4. The testing of the item and its fixings up to and including destruction.

The sample was deemed to comply with the requirements because, after this test, there were no visible damages to the Luminaire, no sharp edges exposed, and no live parts accessible.

Therefore, the sample was deemed to comply with the requirements.

Continued on following page

ILLUSTRATION



Figure 1. Product Image



Figure 2. Test Setup

Continued on following page

This page is to be read in conjunction with the first page of this report



Figure 3. Product Image after the test

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