

**Report No. : ES 23576**

**3 September 1996**

**Client Ref. : 2426/AM**

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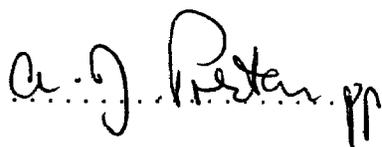
**Date Received : 29/07/96**

**Date Tested : 22/08/96**

**Client : MEDC  
Colliery Road  
Pinxton  
Nottingham  
NG16 6JF**

**Ref: 1-off Light Fitting  
Type: XB 5**

**This document supersedes previously report issued 28/8/96 bearing  
the reference ES 23576.**

**Written By :  P.G.Taylor  
Section Leader - Product Testing.**

**Approved By :  A.J.Bishop  
Technical Manager.**

**Certified that the tests have been carried  
out in accordance with fully documented  
procedures which have been Namas  
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## INTRODUCTION

The above light fitting was received for testing to BS EN 60529 IP68, where IPX8 was the equivalent of 35M.

## METHOD AND RESULTS

### IP6X Dust Ingress

The light fitting was placed in the cabinet and 50 $\mu$ m talcum powder circulated around it for 8 hours.

After 8 hours the sample was opened and inspected for ingress of dust.

There was no ingress of dust.

### IPX8 Water Ingress to Customer's Requirements

The light fitting was placed in a vessel full of water which was then sealed. The water was then pressurised equivalent to that of a depth of 35 metres of water for 48 hours.

After 48 hours the pressure was released, the vessel opened, and the same removed, dried, opened and inspected for ingress of water.

There was no ingress of water.

## CONCLUSIONS

The light fitting was acceptable to BS EN 60529 IP68.