

AMEA Services UK Completes Underwater Lights Repairs

FULL CONDITIONAL SURVEY CARRIED OUT

Issues and plan for remedial works highlighted and forwarded to client.

EXISTING FITTINGS REUTILISED

Internal lamps, wiring and holders replaced

BALLASTS RESITED

Individual ballasts moved to vicinity of fittings to improve performance.

DAMAGED CABLING RENEWED

Heat stressed cabling renewed and protected with heat resistant sleeving.



Introduction

A client had an issue with their metal halide underwater lights whereby many were inoperable, had low earth readings and some displayed signs of heat damage on connecting cables.

It was found that the ballasts for controlling the lamps were all located remotely in a central position, in some cases over 20 metres away from lamps.

Solution

- Full survey conducted into underwater lights operational issues.
- Existing light housings were maintained with a full blanket change of lamps and lamp holders internally implemented.
- The final length of damaged cable to each luminaire was pulled back and replaced utilising heat resistant sleeving for additional protection.
- Replacement ballasts fitted locally to lamps. It was a requirement of the lamp manufacturer that the ballasts are sited locally (within 2 metres) of the light fitting.
- Soak test implemented over many evenings without failure.



Unit 107 Summers Road,
Brunswick Business Park,
Liverpool,
United Kingdom,
L3 4BL