Certificate No: LR2166730TA
Issue Date: 19/02/2021
Expiry Date: 29/03/2025

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Underwater Lights Ltd**
Address	Dunton Green, The Great Dunton Forge, London Road, Sevenoaks, TN13 2TD, United Kingdom
Type	Underwater Lights
Description	UL Ti MATE 80, QT-80, QT-80-Ti, QT-100, QTS-100-AB2, QTS-100-Ti, QTS-100 SAPPHIRE, UL Ti MATE 130 SA, UL Ti MATE 130 FIXED, QT-130 QT-75 STEEL, QT-75 ALUMINIUM, QTS-75 STEEL, QTS-75 ALUMINIUM, UL Ti MATE 75–FIXED STEEL, UL Ti MATE 75–FIXED ALUMINIUM, UL Ti MATE 75–SA STEEL, UL Ti MATE 75–SA ALUMINIUM, QT-167-STEEL, QT-167-ALUMINIUM
Trade Name	UL Ti MATE, QT and QTS
Application	Marine installations
Specified Standard	LR Test Spec No.1: 2019 (conducted and radiated emissions) BS EN 60529: IPX8 LR Rules and Regulations for the Classification of Special Service Craft, July 2018, Part 3, Chapter 4, Section 6.6.

Downloaded Copy

Andrei Petrov

Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR2166730TA
Issue Date: 19/02/2021
Expiry Date: 29/03/2025

Type Approval Certificate

Ratings	See Appendix (design pressure and electrical data)
Additional Tests	Radiated emissions and conducted emissions tests on LED Driver are in accordance with LR Type Approval Specification No.1: 2019 for equipment in general distribution zones
Other Conditions	1. The light must not be operated unless the lens is submerged. 2. Lights are only to be fitted to different hull materials as given in the Appendix. 3. For lights fitted to composite hulls the arrangements are to ensure that failure of the seal between the light and the hull will not affect the survivability or safe operation of the craft. Details of such arrangements are to be determined by the Technical Support Office responsible for the main hull structural appraisal. 4. For installation on a specific vessel, permitted hull locations and hull penetration details are to be determined by the Technical Support Office responsible for he main hull structural appraisal. Lights are not to be fitted in locations where maximum hull design pressure exceeds the light design pressure. Light design pressure is given in the Appendix.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR2166730TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.