



Lloyd's
Register

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.

This certificate is issued to:

PRODUCER	Lumishore Limited
PLACE OF PRODUCTION	Unit 3, Technium I, Kings Road, Swansea, SA 1 8PH, UK
DESCRIPTION	Underwater lights and cameras
TYPE	SY22x, SY25x, SY30x, SY31x
APPLICATION	Marine installations
STANDARD	IEC 60598-1:2014 (Section 9.2.9 only)
RATINGS	Voltage range: 21-31 VDC Light source: LED
OPERATIONAL LIMITATIONS	Ingress Protection Test IP X8 to IEC 60598-1:2014 as follows: Rated immersion depth of 30 m for SY 22x, SY 25x, SY 30x and SY 31x. Radiated emissions test and conducted emissions test on THX120 Driver-CCP to Lloyds Register Type Approval System Test Specification Number 1:2015 for equipment in general power distribution zones.
Certificate No.	16/ 00102
Issue Date	20 October 2016
Expiry Date	19 October 2021
Sheet	1 of 2



Andrei Petrov
Southampton Technical Support Office
Lloyd's Register EMEA

*Lloyd's Register EMEA
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"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 No. and its supplementary Type Approval Terms and Conditions form part of this Certificate

Certificate No. 16/ 00102
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