



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product has 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	Olympia Electronics - N.D.LAKASAS – P.N.ARVANITIDIS S.A 72 nd km Thessaloniki – Katerini National Road 60061 Kolindros- Greece
PLACE OF PRODUCTION	72 nd km Thessaloniki – Katerini National Road 60061 Kolindros- Greece
DESCRIPTION	Maintained self-contained emergency luminaires
TYPE	GR 316/308/423/427/392/736/939/940
APPLICATION/ LIMITATION	Marine and offshore applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4, as defined in Lloyd's Register's Type Approval System, Test Specification Number 1- July 2013. Dry Heat (60oC/48 hours). Enclosure (IP65).
STANDARD	Manufactured and Tested in accordance with the following Standards: IEC 60092-306 Ed.4.0 (2009-11), IEC 60533: 1999, EN 55015:2006 +A1:2007 +A2:2009, CISPR 15:2005 +A1:2006 +A2:2008, EN 61547:2009, IEC 61547:2009, EN 61000-3-3:2008 IEC 61000-3-3:2008 & EN 61000-3- 2:2006 +A1:2009 +A2:2009, IEC 61000-3-2:2005, EN 60598-1:2008 +A11:2009, IEC 60598-1:2008, EN 60598-2-22:1998 +A1:2002 +A2:2008
Certificate No.	14/ 00070
Issue Date	9 September 2014
Expiry Date	8 September 2019
Sheet	1 of 2

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+Cor.: 2005 & 2007, IEC 60598-2-22:1997+ A2:2008, EN 60529:
1991+A1:2000+A2:2013, IEC 60529:1989+A1:1999+A2:2013

RATINGS

TABLE A: Technical characteristics of Maintained self-contained emergency luminaires as follows:

A/A	Model	Main Supply	Duration (min)	LEDs	Battery	IP rating	Use
1	GR-316/ 15L	220-240V AC/ 50-60Hz	180	15	3.6V/ 1.5Ah	IP40	indoor
2	GR-316/ 30L	220-240V AC/ 50-60Hz	180	30	3.6V/ 3Ah	IP40	indoor
3	GR-308/ 15L	220-240V AC/ 50-60Hz	480	15	3.6V/ 3Ah	IP40	indoor
4	GR-423/ 24L	220-240V AC/ 50-60Hz	180	24	3.6V/ 2Ah	IP42	indoor
5	GR-423/ 12L	220-240V AC/ 50-60Hz	180	12	3.6V/ 1Ah	IP42	indoor
6	GR-427/ 12L	220-240V AC/ 50-60Hz	480	12	3.6V/ 3Ah	IP42	indoor
7	GR-392/ L	220-240V AC/ 50-60Hz	180	32	3.6V/ 3Ah	IP40	indoor
8	GR-736/ 21L	220-240V AC/ 50-60Hz	180	21	3.6V/ 1.5Ah	IP20	indoor
9	GR-939/ 30L	220-240V AC/ 50-60Hz	180	30	3.6V/ 3Ah	IP65	outdoor
10	GR-939/ 15L	220-240V AC/ 50-60Hz	180	15	3.6V/ 1.5Ah	IP65	outdoor
11	GR-940/ 15L	220-240V AC/ 50-60Hz	480	15	3.6V/ 3Ah	IP65	outdoor

“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. 14/0001(P) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 14/ 00070
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