

[1]

# EU-TYPE EXAMINATION CERTIFICATE

[2] Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] EU-Type Examination Certificate Number: **DNV 23 ATEX 11240X** **Issue 1**

[4] Product: **MAX G2 Series**

[5] Manufacturer: **Glamox AS**

[6] Address: **Birger Hatlebakks veg 15  
6415 Molde  
Norway**

[7] This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential reports listed in item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:



**EN IEC 60079-0:2018, EN IEC 60079-7:2015+A1:2017, EN IEC 60079-18:2014+A1:2015,  
EN IEC 60079-31:2014**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **II 2 G** **Ex eb mb IIC T4 Gb**  
 **II 2 D** **Ex tb IIIC T81°C Db**



Date of issue:  
2024-06-06



Ståle Sandstad  
For DNV Product Assurance AS  
The Certificate has been digitally signed.  
See [www.dnv.com/digitalsignatures](http://www.dnv.com/digitalsignatures) for info

[13]

## Schedule

[14] **EU-Type Examination Certificate No:**

DNV 23 ATEX 11240X

Issue 1

[15] **Description of Product**

This certificate covers LED Luminaires, MAX G2 Series, with and without Emergency light option from Glamox.

Its main protection is Ex eb and the luminaire include an Ex eb mb certified HFX/HFXE LED driver and an Ex-mb certified ARC BG5 LED stripe.

For those LED luminaires which are equipped with emergency light option, a battery box with a battery package with different charge capacity options are available, and a VSI LED status indicator which is mounted at the LED module is also included. The VSI LED status indicator is included in the same Ex certificate as the ARC BG5 LED stripes. For the specific variant MAXZ67-1200 ICE G2 4000 HF E3, the battery is mounted internally below the LED module.

For electrical connections, Ex eb certified Terminal blocks are used.

The enclosures are made with two plain entries into each short side of the enclosure. Suitable Ex eb and tb certified cable glands and blanking elements must be used with IP66/67 protection.

The luminaires can be connected in series with each other. The supply current to the luminaires is limited to 20A.

### Type designations and ambient temperatures:

Variants of luminaires in the MAX G2 Series with different min/max ambient temperatures.

The "Z" in MAXZ67 below means the body is made of Aluzinc, another option is steel and then it is MAXS67 instead.

Model	Ta
MAXZ67-600 ICE G2 2000 HF	-40°C/+55°C
MAXZ67-1200 ICE G2 4000 HF	-40°C/+55°C
MAXZ67-600 G2 2500 HF	-40°C/+55°C
MAXZ67-1200 G2 5000 HF	-40°C/+55°C
MAXZ67-1500 G2 5500 HF	-40°C/+55°C
MAXZ67-600 G2 3500 HF	-40°C/+55°C
MAXZ67-1200 G2 7000 HF	-40°C/+55°C
MAXZ67-1500 G2 8500 HF	-40°C/+55°C
MAXZ67-600 G2 2500 HF	-40°C/+55°C
MAXZ67-1200 G2 5000 HF	-40°C/+55°C
MAXZ67-1500 G2 5500 HF	-40°C/+55°C
MAXZ67-600 G2 3500 HF	-40°C/+55°C
MAXZ67-1200 G2 7000 HF	-40°C/+55°C
MAXZ67-1500 G2 8500 HF	-40°C/+55°C
MAXZ67-600 G2 2500 DALI	-40°C/+55°C
MAXZ67-1200 G2 5000 DALI	-40°C/+55°C
MAXZ67-1500 G2 5500 DALI	-40°C/+55°C
MAXZ67-600 G2 3500 DALI	-40°C/+55°C
MAXZ67-1200 G2 7000 DALI	-40°C/+55°C
MAXZ67-1500 G2 8500 DALI	-40°C/+55°C
MAXZ67-600 G2 2500 DALI	-40°C/+55°C
MAXZ67-1200 G2 5000 DALI	-40°C/+55°C
MAXZ67-1500 G2 5500 DALI	-40°C/+55°C
MAXZ67-600 G2 3500 DALI	-40°C/+55°C
MAXZ67-1200 G2 7000 DALI	-40°C/+55°C
MAXZ67-1500 G2 8500 DALI	-40°C/+55°C
MAXZ67-600 G2 2000 HF EB3	0°C/+50°C
MAXZ67-1200 G2 4000 HF EB3	0°C/+50°C

Model	Ta
MAXZ67-600 G2 2500 HF EB3	0°C/+50°C
MAXZ67-1200 G2 5000 HF EB3	0°C/+50°C
MAXZ67-1500 G2 5500 HF EB3	0°C/+50°C
MAXZ67-600 G2 3500 HF EB3	0°C/+50°C
MAXZ67-1200 G2 7000 HF EB3	0°C/+50°C
MAXZ67-1500 G2 8500 HF EB3	0°C/+50°C
MAXZ67-600 G2 2500 DALI EB3	0°C/+50°C
MAXZ67-1200 G2 5000 DALI EB3	0°C/+50°C
MAXZ67-1500 G2 5500 DALI EB3	0°C/+50°C
MAXZ67-600 G2 3500 DALI EB3	0°C/+50°C
MAXZ67-1200 G2 7000 DALI EB3	0°C/+50°C
MAXZ67-1500 G2 8500 DALI EB3	0°C/+50°C
MAXZ67-600 ICE G2 2000 HF EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 4000 HF EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 4000 HF EB3	-40°C/+45°C
MAXZ67-600 ICE G2 2500 HF EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 5000 HF EB3	-40°C/+45°C
MAXZ67-1500 ICE G2 5500 HF EB3	-40°C/+45°C
MAXZ67-600 ICE G2 3500 HF EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 7000 HF EB3	-40°C/+45°C
MAXZ67-1500 ICE G2 8500 HF EB3	-40°C/+45°C
MAXZ67-600 ICE G2 2500 HF EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 5000 HF EB3	-40°C/+45°C
MAXZ67-600 ICE G2 3500 HF EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 7000 HF EB3	-40°C/+45°C

Model	Ta
MAXZ67-600 G2 2500 HF EB3	0°C/+50°C
MAXZ67-1200 G2 5000 HF EB3	0°C/+50°C
MAXZ67-600 G2 3500 HF EB3	0°C/+50°C
MAXZ67-1200 G2 7000 HF EB3	0°C/+50°C
MAXZ67-600 G2 3500 DALI EB3	0°C/+50°C
MAXZ67-1200 G2 7000 DALI EB3	0°C/+50°C

Model	Ta
MAXZ67-600 ICE G2 3500 DALI EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 7000 DALI EB3	-40°C/+45°C
MAXZ67-600 ICE G2 2500 DALI EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 5000 DALI EB3	-40°C/+45°C
MAXZ67-1500 ICE G2 5500 DALI EB3	-40°C/+45°C
MAXZ67-600 ICE G2 3500 DALI EB3	-40°C/+45°C
MAXZ67-1200 ICE G2 7000 DALI EB3	-40°C/+45°C
MAXZ67-1500 ICE G2 8500 DALI EB3	-40°C/+45°C

## Electrical Data

Four main options exist for the line voltage supply dependent of variant:

- 1) Input voltage: 220 – 254 VAC, 50/60Hz
- 2) Input voltage: 110 – 127 VAC, 50/60Hz
- 3) Input voltage: 110 – 127 VAC, 50/60Hz, or 110 – 127 VDC
- 4) Input voltage: 220 – 254 VAC, 50/60Hz, or 220 – 250 VDC

Rated Power: 18 – 67 W depending of variant

Rated battery data for variants with emergency light option:

Rated voltage: 7.2V

Rated capacity: 4 or 5 Ah

## Degrees of protection (IP Code)

IP66/67 in accordance with both IEC 60079-0 and IEC 60529.

## Routine tests

Dielectric strength test according to IEC 60079-7, clause 7.1

For the HFX/HFXE LED driver units, the LED stripes and VSI status LED indicators: Visual inspection of Ex m equipment according to IEC 60079-18, clause 9.1

- [16] **Report No.:** PRJN-662845 ATEX  
**Project No.:** PRJN-662845

- [17] **Specific Conditions of Use**

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – FOR CLEANING USE MOIST CLOTH ONLY! NO SOLVENT!

- [18] **Essential Health and Safety Requirements**

Met by compliance with the requirements mentioned in item 9.

- [19] **Drawings and documents**

Number	Title	Rev.	Date
11920696	Descriptive document list MAX G2	7	17.04.2024
11897889	Diffuser clip Multi G2	2	16.04.2024
11910999	Assembly/Part list Terminal block, Type 11220556	1	04.10.2022

Number	Title	Rev.	Date
11911017	Assembly/Part list Gear tray MAX 1500 G2	4	17.04.2024
11911287	Assembly/Part list Gear tray MAX 1200 G2	6	17.04.2024
11911328	Assembly/Part list Gear tray MAX 600 G2	2	04.09.2023
11911989	Assembly BAT7X G2	3	15.02.2023
11914540	Assembly/Part list Diffuser MIX MAX 600 G2	2	27.09.2023
11916804	Assembly/Part list Diffuser MIX MAX 1200 G2	2	27.09.2023
11916805	Assembly/Part list Diffuser MIX MAX 1500 G2	2	27.09.2023
11917350	Main Body Multi EM G2	1	19.09.2023
11917351	Main Body Multi G2	1	19.09.2023
11917496	Assembly/Part list Multi MAX G2	5	08.01.2024
11920095	Wiring diagram MAX G2 DALI, 600/1200/1500 Length	3	12.12.2024
11920096	Wiring diagram MAX G2 HF, 600/1200/1500 Length	1	12.06.2023
11920097	Wiring diagram MAX G2 HF Emergency, 600/1200/1500 Length	3	09.01.2024
11920098	Wiring diagram MAX G2 DALI Emergency, 600/1200/1500 Length	3	12.12.2024
11920100	MAX G2 Type labels	4	16.04.2024
11920101	MAX ICE G2 Type labels	4	09.01.2024
22154329	MAX G2 variant list	5	13.02.2024
23-004625	Glamox MAX G2 User manual	-	04.2024
11886830	Diffuser MAX MIX 600 G2	5	19.12.2023
11886831	Diffuser MAX MIX 1200G2	5	19.12.2023
11886832	Diffuser MAX MIX 1500 G2	5	19.12.2023

## [20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2023-12-20	SC556119 ATEX
1	<ul style="list-style-type: none"> <li>- New gasket option and adhesive material in enclosure.</li> <li>- Enclosures tested and approved for IP66/67 in accordance with both EN IEC 60079-0 and IEC 60529.</li> <li>- Luminaires now also complies with EN IEC 60079-31:2014 with level of protection "tb".</li> <li>- Battery option SP-22-004363 added.</li> <li>- Drive unit option HFX/HFXE, 550 mA have been removed which have results in a smaller number of variants available. The most powerful luminaire is now 67W instead of 100W in previous issue.</li> </ul>	2024-06-06	PRJN-662845 ATEX

-END OF CERTIFICATE-