



# Glamox MAX G2

User manual





#### English / Cable

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard. Outdoor use requires suitable flexible cables assuring the water tightness through the cable inlet. For easy maintenance of outdoor products we recommend to lubricate the screw threads with silicone grease. For controllable luminaires basic insulation is used between mains supply and control conductors.

#### Norsk / Kabel

Hvis den eksterne påmonterte kabelen på armaturen er skadet, skal den skiftes ut av produsenten, eller en lignende kvalifisert person for å unngå fare. Utendørs bruk krever egnede fleksible kabler som sikrer vannetthet gjennom kabelinntaket. For enkelt vedlikehold av utendørsprodukter anbefaler vi å tilføre silikon rundt gjengene. For armaturer med styring er det benyttet normal isolasjon mellom 230V ledere og ledere for styring.

#### Svenska / Kabel

Om den externa flexibla kabeln eller sladden på denna armatur är skadad, ska den uteslutande bytas ut av tillverkaren eller hans serviceagent eller en liknande kvalificerad person för att undvika fara. Utomhusanvändning kräver anpassade flexibla installationskabler för att säkerställa förhindrande av inträngande vatten via kabelinringarna. För att förenkla underhåll/service av våra utomhusprodukter, rekommenderar vi att smörja in skruvarnas gängor med silikon. Armaturer för ljusstyrning ska ha vanlig isolering mellan 230V ledarna och styrningen.

#### Deutsch / Kabel

Um eine Gefährdung zu vermeiden, darf die externe flexible Leitung der Leuchte bei einer Beschädigung, ausschließlich vom Hersteller oder einer ähnlich qualifizierten Person ausgetauscht werden. Verwendung im Aussenbereich erfordert geeignete Leitungen und Kabel, die auch die Dichtigkeit der Kabeleinführung sichern. Für eine einfache Wartung der Außenleuchten empfehlen wir, die Schraubengewinde der Kabeleinführungen sowie Montageschrauben mit geeigneten Öl oder Fett zu schmieren. Für steuerbare Leuchten wird eine Basis-isolierung zwischen Netz und Steuerleitungen eingesetzt.

#### Suomi / Kaapeli

Jos tämän valaisimen ulkoinen johto on vaurioitunut, valmistajan tai tämän edustajan tai vastaavan, pätevän henkilön on vaihdettava se kaikenlaisten vaaratilanteiden välttämiseksi. Ulkovalaisimien kanssa on käytettävä taipuisaa kumikaapelia, jotta johtojen läpivientien tiiviyys voidaan varmistaa. Huollon helpottamiseksi suosittelemme lisäämään silikonirasvaa ruuvien kierteisiin. Himmennettävissä valaisimissa on peruseristys 230V syöttöjännitteen ja ohjauisjohtimien välissä.

#### Eesti / Kaabel

Valgusti välise painduva toitekaabli vigastumise korral tuleb see õnnetuste vältimiseks eranditult lasta vahetada tootjal, tema poolt volitatud hoolduspartneril või sarnasel kvalifitseeritud isikul. Välispaigalduseks vajalik kasutada sobilikke painduvaid kaableid, et tagada niikusekindlus kaabliäbiviikudes. Hoolduse lihtsustamiseks soovitame kinnituskruivi keermel määrida silikonmäärdega. Juhitavates valgustites on 230V toiteahela ja kontrollahelate vahel kasutusel tavaisolatsioon.

#### Nederlands / Kabel

Als de externe flexibele kabel of het snoer van dit armatuur beschadigd is, mag het uitsluitend worden vervangen door de fabrikant, zijn serviceagent of een vergelijkbaar gekwalificeerd persoon om gevaar te voorkomen. Voor buitenverlichting dienen flexibele kabels toegepast te worden om de waterdichtheid bij de kabelinvoer garanderen. Ter vereenvoudiging van het onderhoud adviseren wij het schroefdraad met siliconenvet in te smeren. Bij regelbare armaturen dient de voedingsspanning van de stuurleiding geïsoleerd te worden.

#### Dansk / Kabel

Hvis det eksterne kabel på dette armatur er beskadiget, skal det erstattes af fabrikanten eller en lignende kvalificeret person for at undgå farer. For udendørs brug skal der anvendes fleksible kabler, der sikrer vandtæthed mod membrannielen. For nem vedligeholdelse på udendørsprodukter, anbefaler vi, at smøre skruegevind med silikonfedt. For armaturer med lysstyring er der anvendt normal isolation mellem 230V ledere og leder for styring.

#### Polish / Kabel

Jeżeli zewnątrzny elastyczny kabel lub przewód tej oprawy ulegnie uszkodzeniu, w celu uniknięcia zagrożenia powinien on zostać wymieniony wyłącznie przez producenta, jego przedstawiciela serwisowego lub osobę o podobnych kwalifikacjach. Do użytku oprawy na zewnątrz wymagane są odpowiednie elastyczne kable zapewniające wodoszczelność przez wlot kabla. Aby ułatwić konserwację produktów przeznaczonych do użytku na zewnątrz, zalecamy smarowanie gwintów śrub smarem silikonowym. W przypadku opraw sterowanych stosuje się izolację podstawową pomiędzy przewodami zasilającymi i sterującymi.



**English**  
Do not connect to a temporary power supply source. This may damage the electronics.

**Norsk**  
Tilslutt ikke armaturen til midlertidig byggestrøm. Dette kan skade elektronikken.

**Svenska**  
Anslut inte armaturen till tillfällig byggström. Detta kan skada elektroniken.



**English**  
LED are sensitive to electrostatic discharge. Do not touch the surface of the LED module.

**Norsk**  
LED er følsomme for statisk elektrisitet. Berør ikke overflaten på LED modulen.

**Svenska**  
LED är känslig för elektrostatisk urladdning. Rör inte ytan på LED modulen.

**Deutsch**  
Nicht an unsauberes Netz (Baustrom) anschliessen. Die elektronischen Bauteile können dadurch beschädigt werden.

**Suomi**  
Älä kytke väliaikaiseen virtalähteeseen. Tämä voi vioittaa elektroniikkaa.

**Eesti**  
Ära kasuta ajutist toiteahelat. See võib põhjustada vigastusi elektroonikale.

**Nederlands**  
Sluit niet aan op een tijdelijke elektriciteitsvoorziening. Dit kan de elektronica beschadigen.

**Dansk**  
Tilslut ikke armaturet til midlertidig byggestrøm. Dette kan skade elektronikken.

**Polski**  
Nie podłączać do tymczasowego źródła zasilania. Może to uszkodzić elektronikę.

**Deutsch**  
LEDs sind empfindlich gegenüber elektrostatischer Entladung. Berühren Sie nicht die Oberfläche der LED-Module.

**Suomi**  
LED-valonlähteet ovat herkkiä staattisille sähköpurkauksille. Älä kosketa LED-moduleja.

**Eesti**  
Leed on tundlik elektrostaatilise laengule. Palun ära puuduta leed-moodulit.

**Nederlands**  
LEDs zijn gevoelig voor elektrostatische ontlading. Raak het oppervlak van de LED-module niet aan.

**Dansk**  
LED er følsomt for statisk elektricitet. Rør ikke ved overfladen på LED modulet.

**Polski**  
Diody LED są wrażliwe na wyładowania elektrostatyczne, nie dotykaj powierzchni modułu LED.



**English**  
The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. Live parts inside – RISK OF ELECTRIC SHOCK

**Norsk**  
Lyskilden i denne armaturen skal kun byttes av Glamox, Glamox sin serviceansvarlig eller en tilsvarende kvalifisert person. Strømførende deler på innsiden – FARE FOR ELEKTRISK STØT

**Svenska**  
Ljuskällan i denna armatur får endast bytas ut i Glamox fabriker, av Glamox servicetekniker eller motsvarande kvalificerad personal. Strömförande delar på insidan – RISK FÖR ELSTÖTAR

**Deutsch**  
Die enthaltene Lichtquelle in dieser Leuchte darf nur durch den Hersteller, seinen Kundendienst oder eine ähnlich qualifizierte Personen ersetzt werden. Stromführende Teile im Inneren – GEFAHR EINES ELEKTRISCHEN SCHLAGS

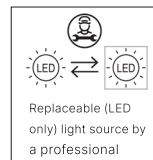
**Suomi**  
Tämän valaisimen valonlähteen saa vaihtaa ainoastaan valaisimen valmistaja, valtuutettu huoltoilike tai vastaava pätevyty henkilö. Jännitteisiä osia – SÄHKÖISKUVAARA

**Eesti**  
Selle valgusti valgusallikat võib asendada ainult tootja, tema lepinguline hoolduspartner või sarnane kvalifitseeritud personal. Sisaldab pingestatud komponente – ELEKTRILÕOGI OHT

**Nederlands**  
De lichtbron in dit armatuur mag alleen vervangen worden door de fabrikant, zijn servicedienst of een soortgelijk gekwalificeerd persoon. Stroomvoerende delen binnenin – GEVAAR VAN ELEKTRISCHE SCHOK

**Dansk**  
Lyskilden i dette armatur må kun udskiftes af Glamox, Glamox servicepartner eller tilsvarende kvalificeret person. Invendige strømførende dele – FARE FOR ELEKTRISK STØD

**Polski**  
Źródło światła w tej oprawie może zostać wymienione wyłącznie przez producenta, jego przedstawiciela serwisowego lub inną wykwalifikowaną osobę. Wewnątrz znajdują się części pod napięciem – RYZYKO PORAZENIA PRĄDEM.





## English

Installation, inspection, maintenance and repair only to be performed by Ex-qualified professionals.

Before putting into service - check that all electrical connections are well done and diffuser gasket is undamaged.

## Norsk

Installasjon, inspeksjon, vedlikehold og reparasjon skal kun utføres av Ex-kvalifiserte fagfolk.

Før idriftsetting - kontroller at alle elektriske koblinger er godt utført og skjerm pakningen er uskadet.

## Svenska

Installation, inspektion, underhåll och reparation får endast utföras av EX-kvalificerad personal.

Innan den tas i bruk – kontrollera att alla elektriska anslutningar är väl utförda och att alla packningar är oskadade.

## Deutsch

Installation, Prüfung, Wartung und Reparatur dürfen nur von qualifizierten Fachpersonal mit einer ex-Zulassung durchgeführt werden.

Vor einer Inbetriebnahme ist zu prüfen, ob alle Anschlüsse ordnungsgemäß ausgeführt sind und die Dichtigkeit der Kabeleinführungen gegeben ist.

## Suomi

Asennukset, tarkastukset, huollot ja korjaukset tulee suorittaa EX-hyväksytyin henkilön toimesta. Ennen käyttöönottoa tarkista, että sähköiset liitännät ovat huolellisesti kytketty sekä kuvun tiiviste vahingoittumaton.

## Eesti

Paigaldamist, kontrolli, hooldust ja remonti tohivad teha ainult Ex - kvalifitseeritud spetsialistid. Enne kasutuselevõttu kontrollige, et kõik elektriühendused on korralikult tehtud ja hajuti tihend kahjustamata.

## Nederlands

Installatie, inspectie, onderhoud en reparatie mogen alleen worden uitgevoerd door Ex-gekwalificeerde professionals.

Voor ingebruikname - controleer of alle elektrische aansluitingen goed zijn uitgevoerd en of de afdichting van de afscherming onbeschadigd is.

## Dansk

Installation, inspektion, vedligeholdelse og reparation må kun udføres af Ex-kvalificerede fagfolk.

Inden ibrugtagning – check, at alle elektriske forbindelser er udført korrekt og skærm pakningen ikke er beskadiget.

## Polski

Montaż, przegląd, konserwacja i naprawy mogą być wykonywane wyłącznie przez profesjonalistów z uprawnieniami dotyczącymi przeciwwybuchowego sprzętu oświetleniowego (Ex).

Przed oddaniem do użytku należy sprawdzić czy wszystkie połączenia elektryczne są poprawnie wykonane, a uszczelka dyfuzora nie jest uszkodzona.



## English

X: Special conditions for safe use:  
Potential electrostatic charging hazard  
– For cleaning use moist cloth only! No solvent.

### **WARNING:**

Do not open when an explosive atmosphere is present!  
Live parts behind cover – Do not contact!

## Norsk

X: Spesielle betingelser for sikker bruk:  
Potensiell fare for elektrostatiske ladning  
– Bruk kun fuktig klut for rengjøring!  
Ingen løsemiddel!

### **ADVARSEL:**

Skal ikke åpnes i eksplosiv atmosfære!  
Strømførende deler bak dekselet – Må ikke berøres!

## Svenska

X: Särskilda villkor för säker användning:  
Potentiell risk för elektrostatiske laddning  
– Använd endast fuktig trasa för rengöring!  
Inget rengöringsmedel.

### **VARNING:**

Öppna ej i en explosiv atmosfär!  
Strömförande delar bakom kupan – Rör ej!

## Deutsch

X: Besondere Bedingungen für den sicheren Gebrauch:  
Potenzielle Gefahr elektrostatischer Aufladung – Zur Reinigung nur feuchte Tücher verwenden! Kein Lösungsmittel.

### **WARNUNG!**

Nicht öffnen, wenn eine explosionsfähige Atmosphäre vorhanden ist!  
Spannungsführende Teile hinter der Abdeckung – nicht berühren!

## Suomi

X: Erityismääräykset turvalliseksi käytölle:  
Staattisen sähkölatauksen vaara – puhdistamiseen saa käyttää vain kosteaa pyyhettä! Ei liuottimia.

### **VAROITUS:**

Älä avaa räjähdysriskissä tilanteissa!  
Kuvun takana jännitteisiä osia – Älä koske!

## Eesti

X: Eritingimused ohutuks kasutamiseks:  
Võimalik elektrostaatiline laengu oht – kasutage puhastamiseks ainult niisket lappi! Mitte lahustit!

### **HOIATUS:**

Ärge avage plahvatusohtliku keskkonna olemasolul!  
Katte taga asuvad pinged all olevald osad – ärge puutuge!

## Nederlands

X: Bijzondere voorwaarden voor veilig gebruik:  
Mogelijk gevaar voor elektrostatische oplading – Om te reinigen alleen een vochtige doek gebruiken! Geen oplosmiddel.

### **WAARSCHUWING:**

Niet openen als er een explosieve atmosfeer aanwezig is!  
Onder spanning staande delen achter afscherming – Niet aanraken!

## Dansk

X: Særlige betingelser for sikker brug  
Potentielt risiko for statisk elektricitet  
– Brug kun en fugtig klud til rengøring!  
Ingen opløsningsmidler.

### **ADVARSEL:**

Åbn ikke, når der er en eksplosiv atmosfære!  
Strømførende dele bag dækslet – Må ikke berøres

## Polski

X: Specjalne warunki bezpiecznego użytkowania:  
Potencjalne zagrożenie wyładowaniami elektrostatycznymi – Do czyszczenia używać wyłącznie wilgotnej szmatki!  
Nie stosować rozpuszczalników.


### **UWAGA:**

Nie otwierać w obecności atmosfery wybuchowej!  
Części pod napięciem za osłoną – nie dotykać!

# Glamox MAX G2

 0470

 8501

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

IECEX DNV 23.0069X

DNV 23 ATEX 11240X

DNV 23 UKEX 11241X

## Description:

Surface mounted MAX G2 with LED modules for normal operation HF and with a battery in external Battery box for emergency operation HF-E / DALI-E. Internal Battery for MAX ICE G2 emergency operation HF-E / DALI-E

Temperature limits (ta):  
Ta: -40°C to +55°C for HF / DALI 2000 to 8500 Lm  
Ta: 0°C to +50°C for HF-E / DALI-E 2000 to 8500 Lm (4.0 Ah battery)  
Ta: -40°C to +45°C for ICE G2 HF-E / DALI-E 2000 to 8500 Lm (5.0 Ah battery)  
Ta: -40°C to +40°C for ICE G2 HF-E / DALI-E 4000 Lm (5.0 Ah internal battery)

Protection: IP66/67  
Line voltage: 110 – 127VAC / 110 - 127VDC 0/50/60Hz or  
220 – 254VAC / 220 - 250VDC 0/50/60Hz  
Supplied current (mains mode): 0.11 – 0.56A  
Power factor: 0.92 – 0.96  
Light modules: LED

Sales description abbreviations: MAXS: Stainless steel 316L Main body  
MAXZ: Aluzinc Main body  
/S: Emergency battery back up Standard  
/ST: Emergency battery backup with Self Test  
/DALI: Emergency battery backup with DALI

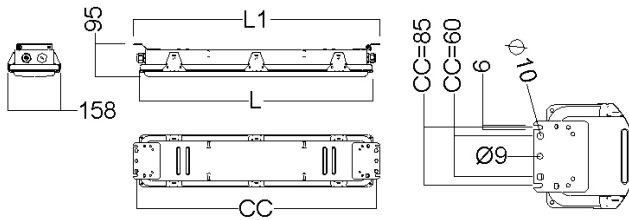
Emergency light marking:	X	1		90	Standard 1,5 hour battery backup
ref IEC 60598-2-22 Annex B	X	1		180	Standard 3 hour battery backup
	X	1	F	90	Self Test or DALI 1,5 hour battery backup
	X	1	F	180	Self Test or DALI 3 hour battery backup

For more information, please see [www.glamox.com](http://www.glamox.com)

X: Special conditions, see page 5

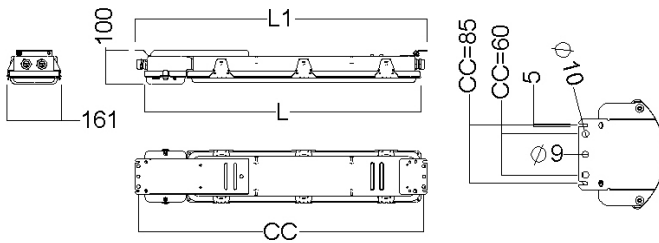
# Glamox MAX G2

## MAX G2



Types	L1	CC	L
MAX-600 G2	724	704	687
MAX-1200 G2	1334	1314	1296
MAX-1500 G2	1634	1614	1596

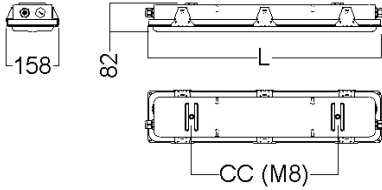
## MAX G2 EM



Types	L1	CC	L
MAX-600 G2	858	838	810
MAX-1200 G2	1468	1448	1419
MAX-1500 G2	1768	1748	1718

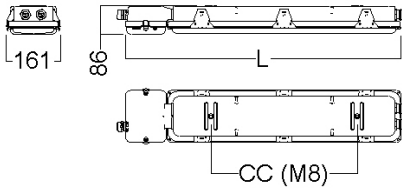
# Glamox MAX G2

## MAX G2 HOOD NUT



Types	L	CC = Hood nuts M8 distance		
MAX-600 G2	687	400	430	500
MAX-1200 G2	1296	500	700	950
MAX-1500 G2	1596		950	1100

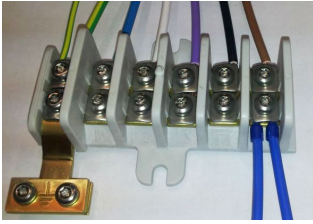
## MAX G2 EM HOOD NUT



Types	L	CC = Hood nuts M8 distance		
MAX-600 G2	810	400	430	500
MAX-1200 G2	1419	500	700	950
MAX-1500 G2	1718		950	1100



# Installation and operation



## Terminal block

Torque value for screws: 1.8Nm

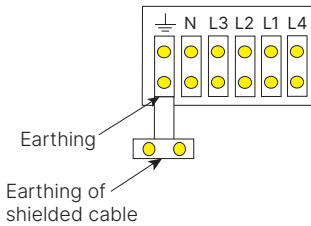
Type and size of wires that can be used:

Solid wire: From 1.0mm<sup>2</sup> to 6.0mm<sup>2</sup>

Stranded wire with or without ferrule: From 0.75mm<sup>2</sup> to 6.0mm<sup>2</sup>

There can only be connected one wire of same size on each side of the screw on each side of each terminal. (totally max 4 wires at each terminal).

In addition 1.0mm<sup>2</sup> solid wire and 0,75mm<sup>2</sup> stranded wire with ferrule in combination with 2.5mm<sup>2</sup> stranded wire with ferrule is approved.

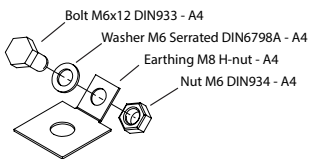


## Earthing the luminaire

The luminaire must be earthed in the terminal block.

Armored cable must be earthed as described in the drawing.

For external bonding



For external bonding (M6) in luminaires with end suspension brackets, see picture.

For variants with M8 hood nut suspension, if external earthing is required, please order this accessory;

PM231206800 MULTI Ext. Earth Connection for M8 bolt

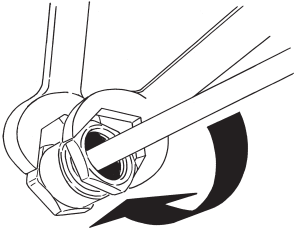


## DALI terminal

WAGO 862 push in terminal 4 × 0.5–4mm<sup>2</sup> at each terminal. Different wire sizes can be used at each terminal. Ferrules can be used, but not recommended.



# Installation and operation

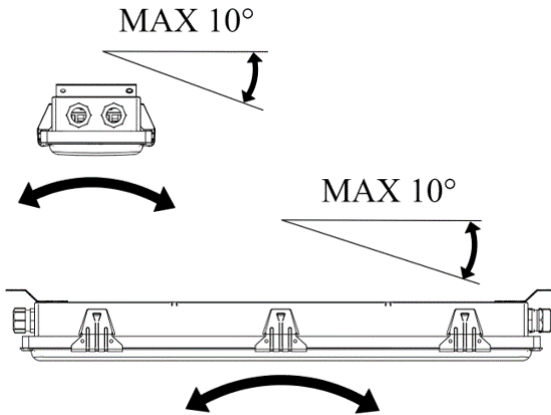


	M20	M25	
Polyamide	5.0 Nm 5.0 Nm	5.0 Nm 5.0 Nm	Torque, gland fastening Torque, cable
	6-12 mm	11-17 mm	Cable diameter
NiPI Brass	5.5 Nm 20.0 Nm 18.0 Nm 15.0 Nm	6.0 Nm 25.0 Nm 20.0 Nm 18.0 Nm	Torque, gland fastening Torque, cable, sealing ring S1+S2+S3 Torque, cable, sealing ring S1+S2 Torque, cable, sealing ring S1
	4-12 mm	10-18 mm	Cable diameter

## DARK SKY approval for MAX G2 (Valid for Dark Sky variants)

According to DARK SKY approval, the fitting must be mounted with light source/light output - pointing straight down. Maximum tilt angle must not be more than +/- 10 degrees either way

Illustration showing mounting/positioning



# Operation, inspection and maintenance

## Cables

Mains supply cable must be approved for fixed installation. The external diameter can be as shown in table page 9. Cross sectional area of the wires can be between 1.5 and 6.0 mm<sup>2</sup>. The cable must have an earth wire and shielded cable is recommended to be used. Only Ex e cable glands/blinds acc. to IEC 60079-0:2009 or later to be used. Unused cable glands to be changed to blind plugs.

## Battery pack replacement

When the battery pack is defect or need to be replaced, use only original battery pack from Glamox. Do not replace the battery when an explosive atmosphere is present. Keep always the battery wires isolated to avoid shortcuts of the battery. Do not transport the battery trough a hazardous area.

## Control and inspection

General inspection and main function control to be carried out once a month. Fully emergency duration test by switching off power supply should be performed at least once a year and the specified emergency light time shall be observed.

## Maintenance

The MAX G2 is designed to operate many years with a minimum need for maintenance. However it may be necessary to clean the diffuser if it gets dirty. Do never use any solvents for cleaning polycarbonate diffuser due to risk of generating static charge. Use moist cloth only, no solvent. If battery and other components need to be replaced, it is important to use only original Glamox components.

## Cycling of battery

To have best lifetime of batteries, cycle the batteries at least 2 times yearly by charging for 24 h and discharge until the emergency light turns off. To cycle, just switch the circuit breaker on/off.

## Emergency operation, standard

When power supply and battery is connected and switched on, the green LED charging indicator will light up, indicating normal charging of battery. Charging time to fully charge the batteries is 24 hours.

If an emergency test does not last for 1.5 or 3 hours because of not fully charged battery, the charging indicator will not light even if the power is switched back since there is a faulty alarm even if the battery will be charged. To make the green LED indicator light up when charging the battery, please reset charging indicator by switching off/on the battery and power supply. Alternative the faulty alert can be reset by charging for 24 hours and do a new emergency test. If the emergency test will be ok, light for 1 or 3 hours, the green LED indicator will light up after switching back the power supply.

## Emergency operations, self-test (ST)

The self-test solution will automatically run a short test 24 hours after swiching on the power supply. Then a monthly test, and finally a full annual test operating the LED module in emergency mode from the local battery supply. The test timer includes a random period to avoid all luminaries to self-test at same time. Disconnection of mains and battery at same time will reset the test timer. Test program is acc. to IEC 62034.

## LED indicator test status

LED indicator, Standard, green	LED indicator, Self-test, bi-color, green/red	System status	Action
Continuous green	Continuous green	System ok	Battery charging ok and no faults.
No light	Continuous blinking red	Battery capacity problem	24 h charge period after last discharge not completed, or faulty battery. Reset system after 24h charging period, or replace battery.
No light	Intermitted blinking red	Faulty LED module	Replace faulty or not connected LED module.
No light	Continuous red	Charging error	Battery defective or not connected. Connect or replace battery.
No light	No light	No function	Connect to mains supply voltage within specified limits.

**NB:** Connect the LED modules to HFX/HFXE before mains or battery are connected. Also disconnect battery/mains from HFX/HFXE before disconnecting LED modules.

## Emergency operation of MAX G2 / MAX ICE G2

MAX G2	EB1	EB3
2500 Lm	64%	36%
3500 Lm	43%	24%
5000 Lm	33%	17%
7000 Lm	22%	11%
5500 Lm	34%	16%
8500 Lm	23%	11%
MAX ICE 1200 G2		E3
4000 Lm		21%

For MAX G2 Barel ARC LED BG5 and 7.2V battery 4.0Ah  
For MAX ICE G2 Barel ARC LED BG5 and 7.2V battery 5.0Ah

# Installation and operation HF

## Connection of MAX G2

L1 - N for main light

L4 - N for emergency (charging)

Power supply must be from same line (fuse) for both normal light and emergency.

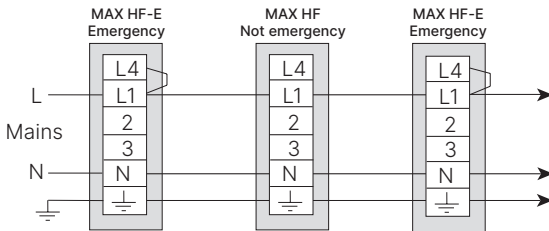
I<sub>k</sub> max 1500A

## Connection of MAX G2 to the mains

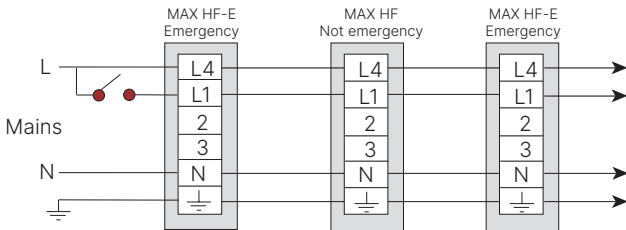
When the MAX G2 is connected to other luminaires as shows in the diagrams, the switch will switch off/on all the luminaires. The light of the MAX G2 can be switched while the battery will be charged uninterruptedly.

Max 20A fuse when using the trough wiring

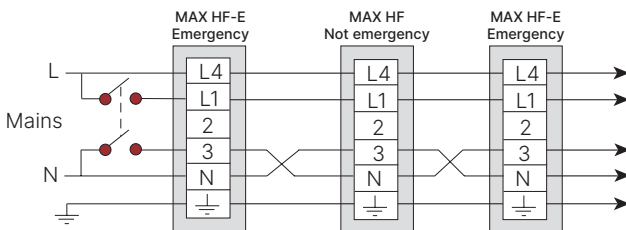
- Wiring without switch for main light (Loop L-L4 for HF-E)



- Wiring with 1-poled switch for main light, N-L4 unswitched



- Wiring with 2-poled switch for main light, N-L4 unswitched



# Installation and operation DALI

## Connection of MAX G2

L1 - N for not main light

L4 - N for emergency (charging)

Power supply must be from same line (fuse) for both normal light and emergency.

I<sub>k</sub> max 1500A

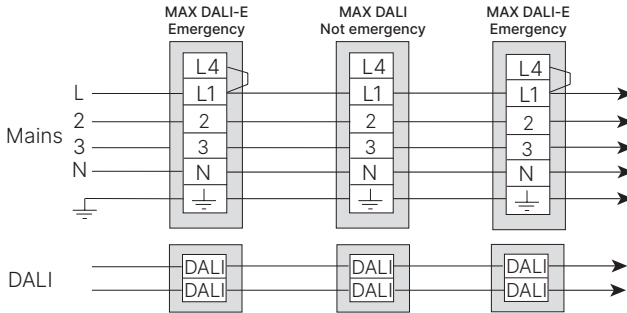
DALI - DALI signal for control

## Connection of MAX G2 to the mains

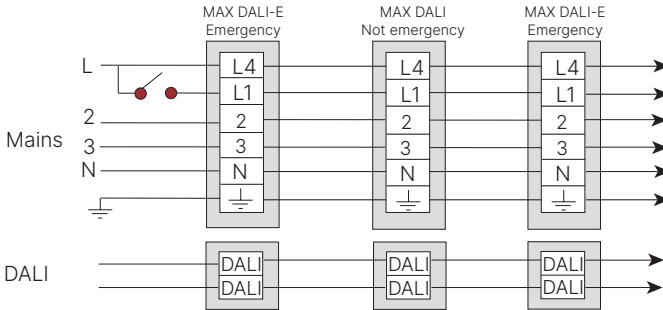
When the MAX G2 is connected to other luminaires as shows in the diagrams, the switch will switch off/on all the luminaires. The light of the MAX G2 can be switched while the battery will be charged uninterruptedly.

Max 20A fuse when using the trough wiring

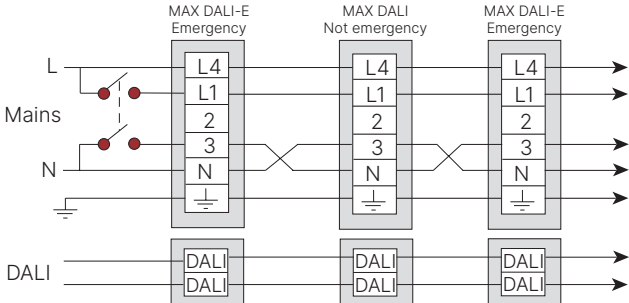
### • Wiring without switch for main light (Loop L-L4 for HF-E)



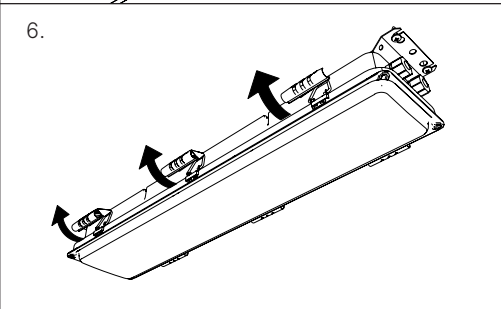
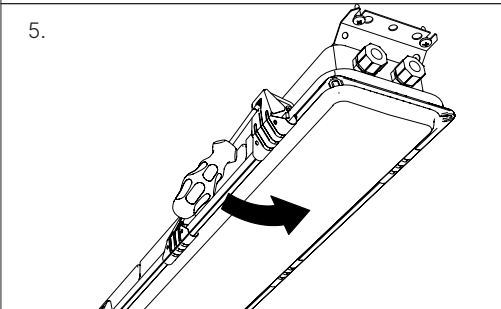
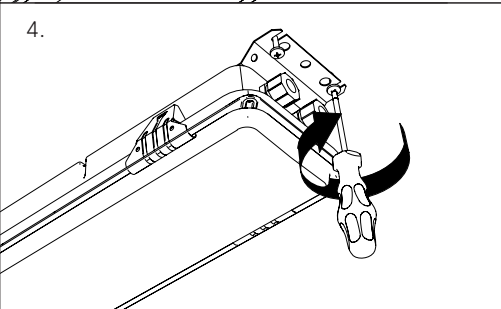
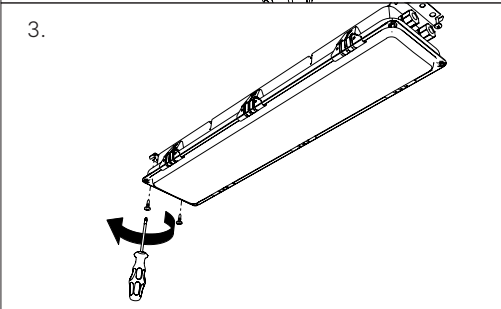
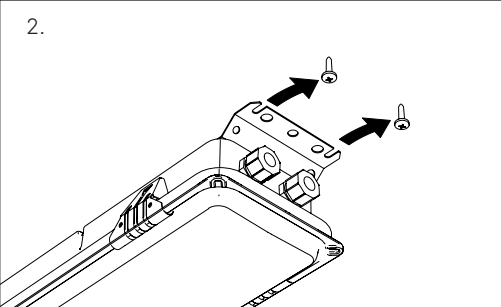
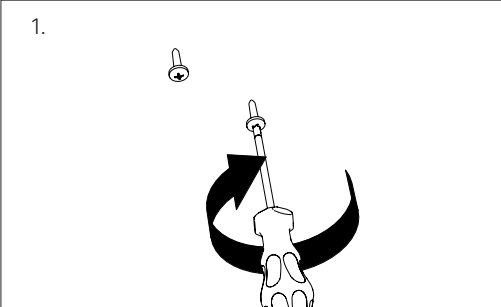
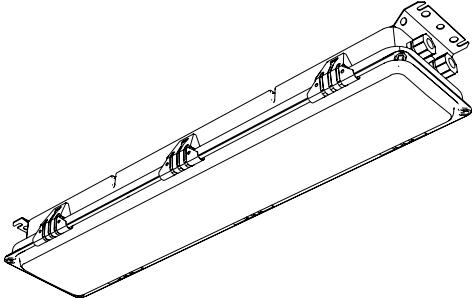
### • Wiring with 1-poled switch for main light, N-L4 unswitched



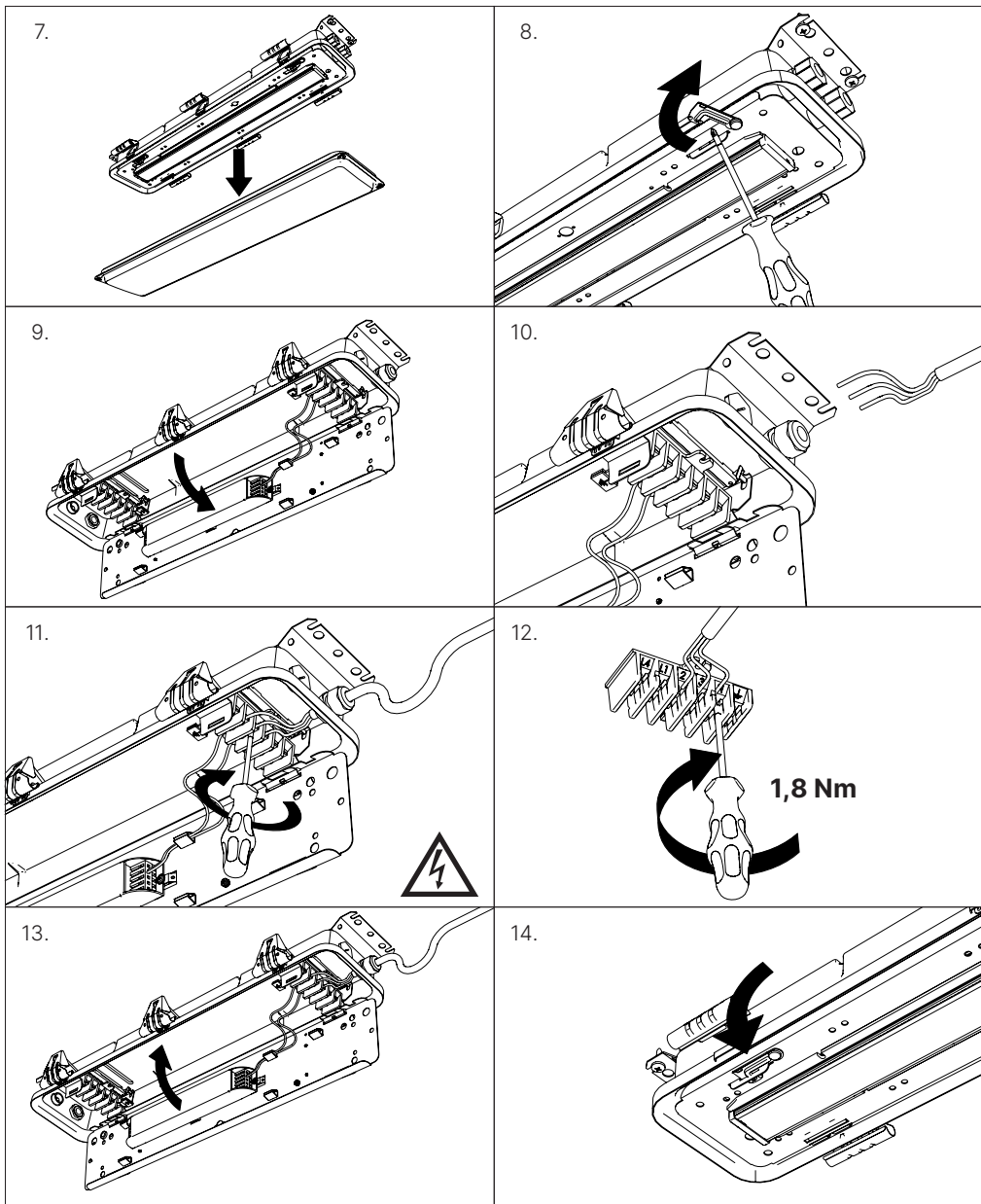
### • Wiring with 2-poled switch for main light, N-L4 unswitched



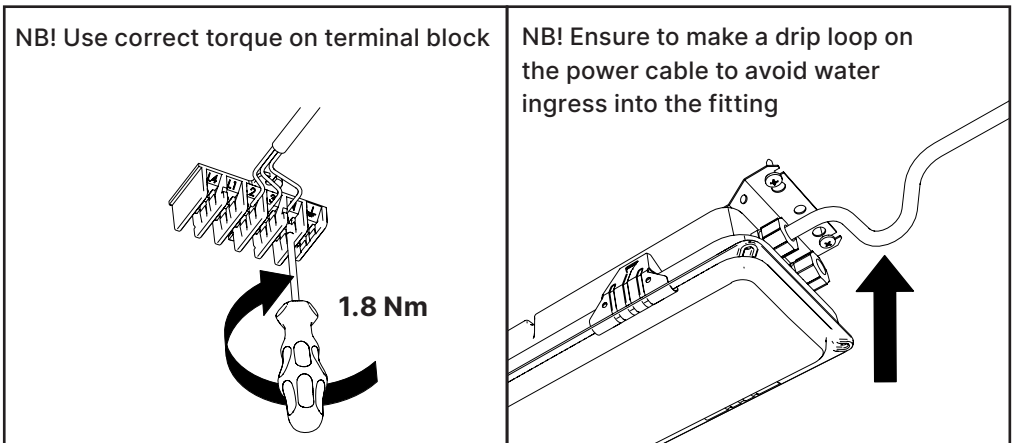
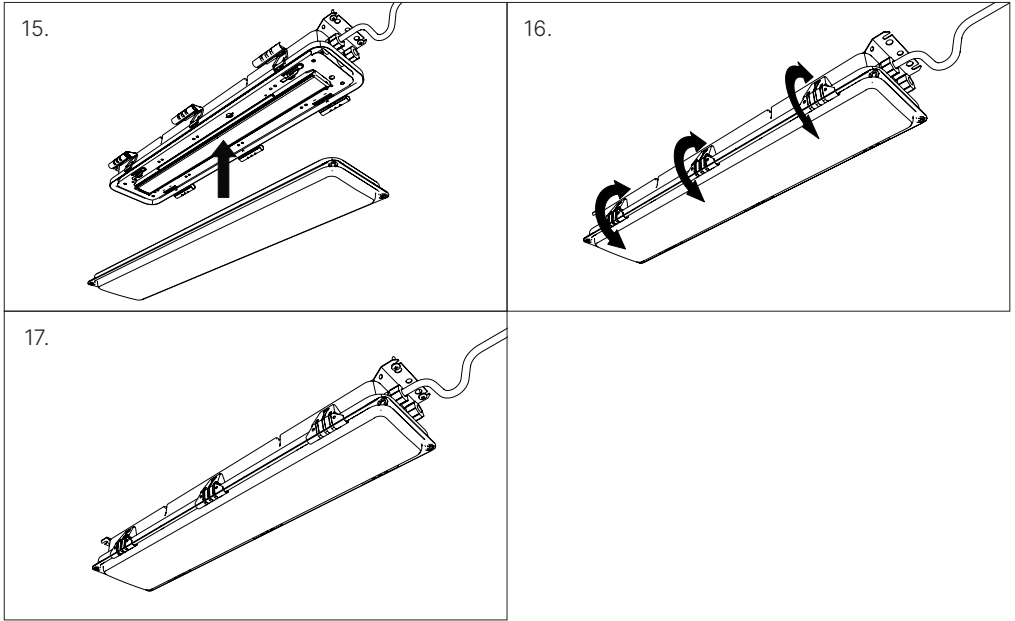
# Glamox MAX G2



# Glamox MAX G2

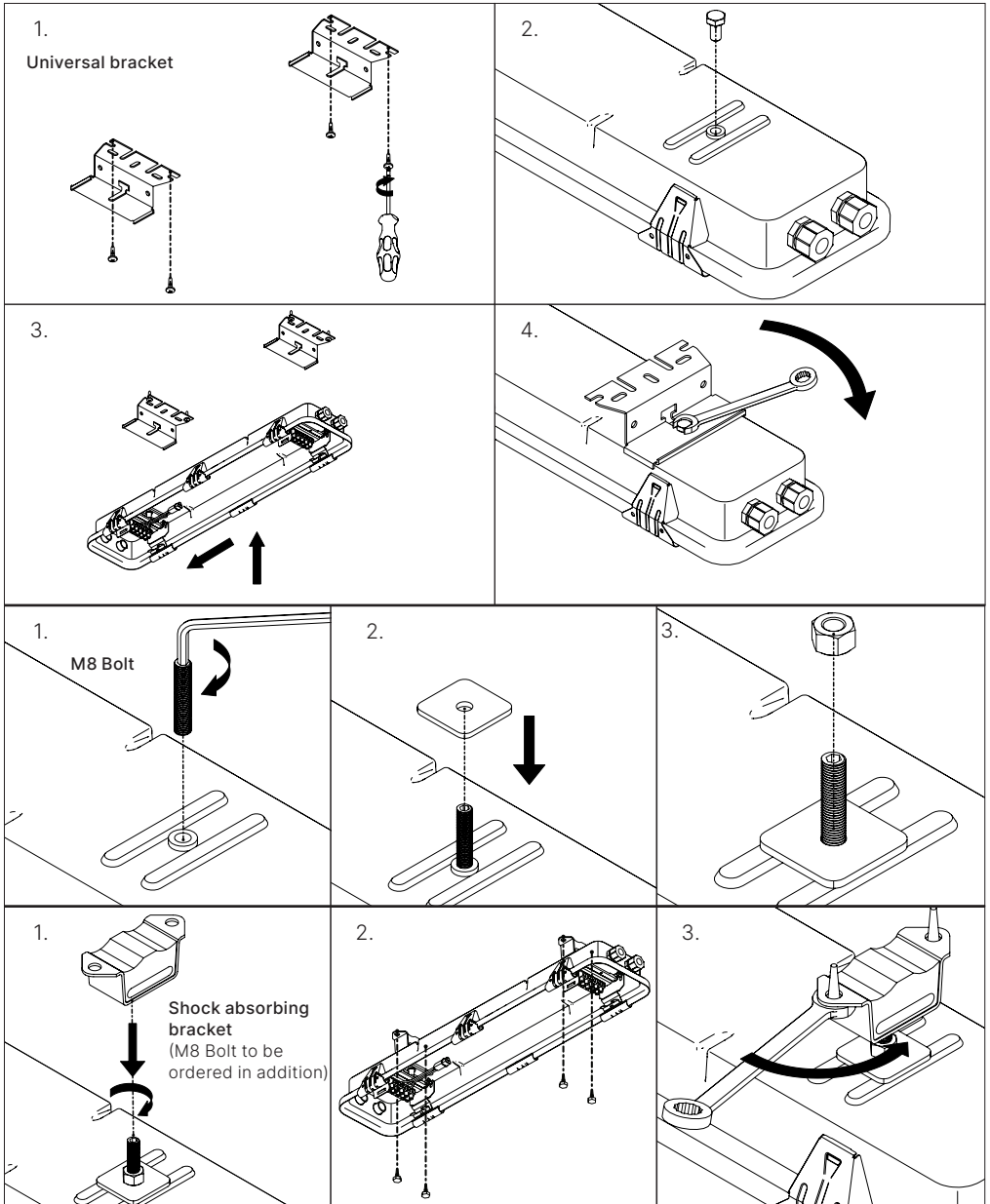


# Glamox MAX G2

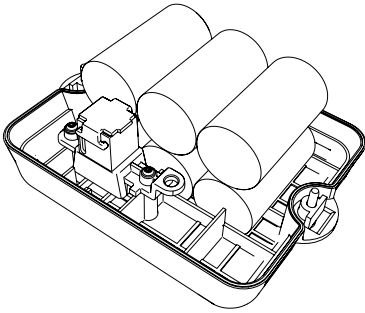




# Glamox MAX G2 suspension (options)



# Glamox MAX G2 – Battery change



## Battery packs (6 cells)

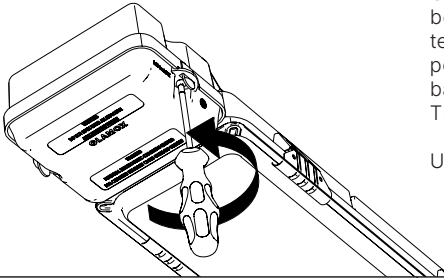
For standard MAX G2:

Spare parts item no: PM220105801  
7.2V 4.0Ah 4P

For MAX ICE G2: with LOW TEMP BATTERY

Spare parts item no: PM220105803  
7.2V 5.0Ah 4P

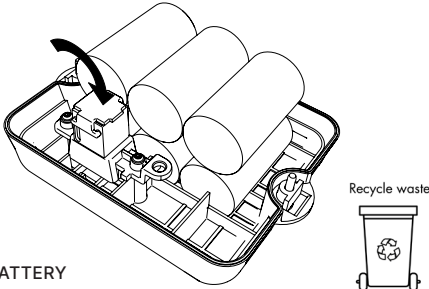
1.



General inspections and main function control to be carried out regularly. Full emergency duration test by switching off power supply should be performed at least once a year. Cycling of batteries at least 2 times yearly is recommended. This will increase the lifetime of batteries.

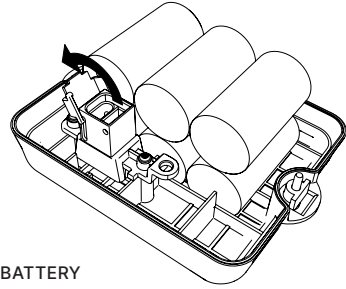
Use only original spare parts from Glamox.

2.



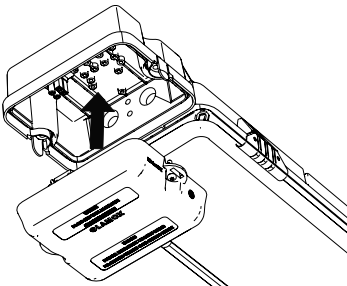
OLD BATTERY

3.

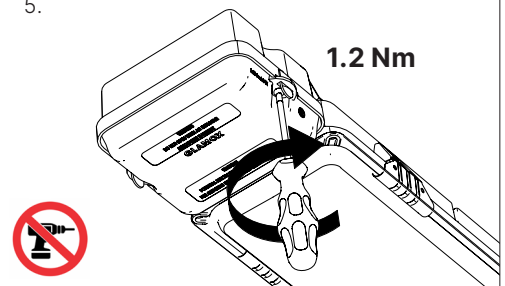


NEW BATTERY

4.

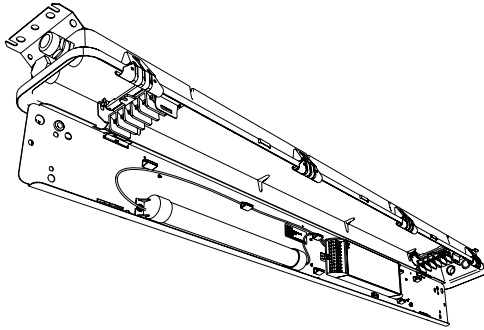


5.



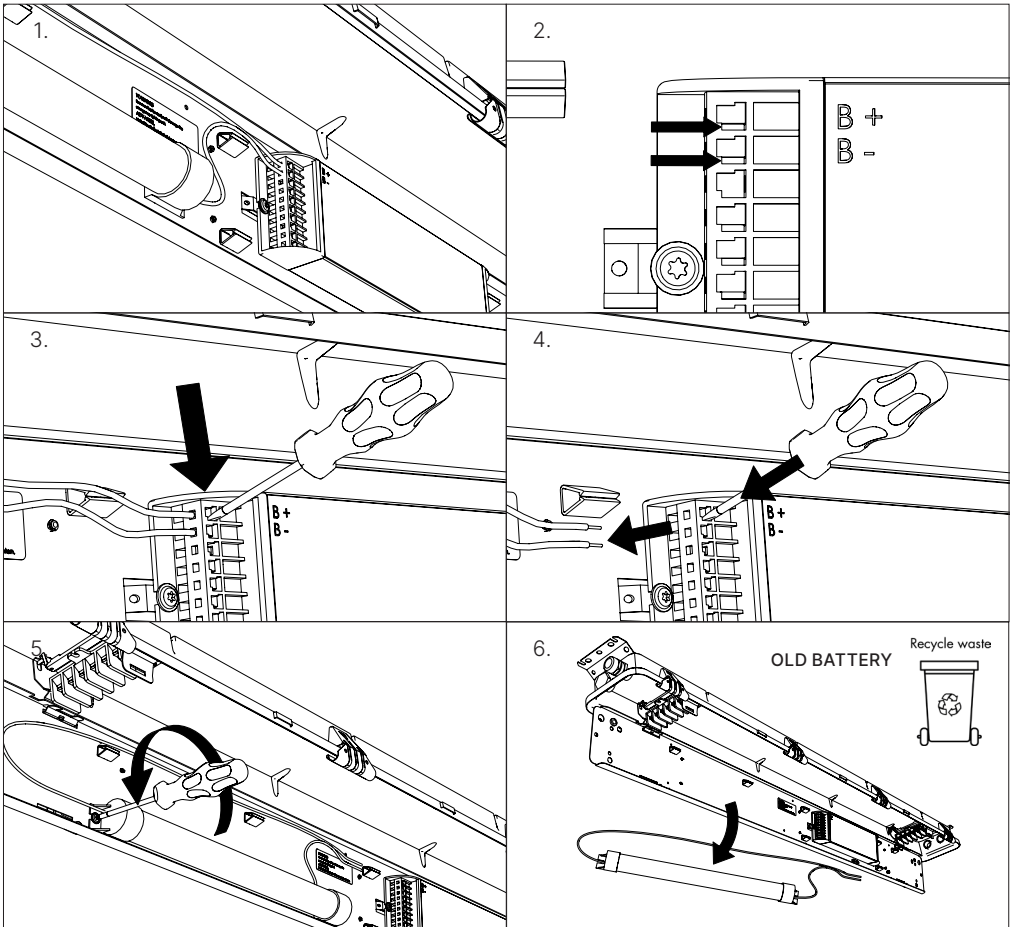
# Glamox MAX ICE G2 1200 Emergency

– Battery change internal



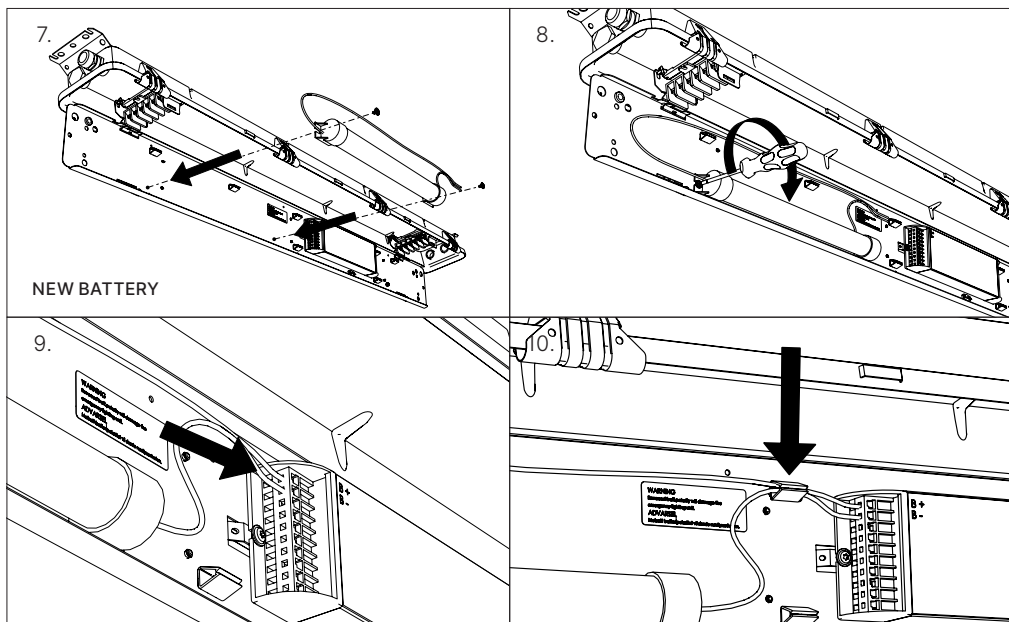
**Battery pack (6 cells)**

**Spare parts item no:  
SP-22-004363, 7.2V 5.0Ah**



# Glamox MAX ICE G2 1200 Emergency

– Battery change internal



# EU Declaration of Conformity (DOC)

**Manufacturer:** **Glamox AS**  
**Address:** Birger Hatlebakksveg 15  
NO-6415 Molde  
NORWAY

**Product:** **LED Luminaire for Explosive environment zone 1 and 2**

**Product Name (and Type):** **MAX G2 -series**

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

We declare under sole responsibility that above listed products confirm with the standards listed.



<p><i>EU Directive</i> <i>harmonized European Standards</i></p>	<p><b>2014/30/EU (EMC Directive)</b> <b>EN IEC 55015:2019/A11:2020</b> EMC emission requirements for electrical lighting and similar equipment <b>EN 61547:2009</b> Equipment for general lighting purposes – EMC immunity requirements <b>EN 61000-3-2:2019</b> Limits for harmonic currents</p>
<p><i>EU Directive</i> <i>harmonized European Standards</i></p>	<p><b>2014/35/EU (Low Voltage Directive)</b> <b>EN IEC 60598-1:2021/A1:2022</b> Luminaires –General requirements and tests <b>EN 60598-2-1:1989</b> Luminaires - Particular requirements;– Fixed general purpose luminaires *) additional for <b>Emergency Light:</b> <b>EN IEC 60598-2-22:2022</b> Luminaires –Particular requirements – Luminaires for emergency lighting <b>EN 60598-2-24:2013</b> Luminaires – Particular requirements – Luminaires with limited surface temperature</p>
<p><i>EU Directive</i></p>	<p><b>2011/65/EU (RoHS-Directive) + 2015/863/EU</b></p>
<p><i>EU Directive</i> <i>harmonized European Standards</i></p>	<p><b>2014/34/EU (ATEX-Directive)</b> <b>EN IEC 60079-0:2018</b> General requirements Ex-equipment <b>EN IEC 60079-7:2015/A1:2018</b> Increased safety (Ex e) <b>IEC/EN 60079-18:2014/2015</b> Encapsulation (EX m) <b>IEC/EN 60079-31:2013/2014</b> Dust protection by enclosure (Ex t)</p>
<p><i>Additional standard</i></p>	<p><b>IEC 60092-306:2022 Luminaire for marine use</b></p>
<p><i>ATEX / IECEx Certificate</i> <i>Notified body Ex QA</i></p>	<p><b>DNV 23 ATEX 11240X (2) / IECEx DNV 23.0069X (2), NB no. 2460 0470 NEMKO</b></p>

**Place, Date:** Molde, 29. April 2024

**E-Mail:** info@glamox.com  
**WEB:** www.glamox.com

**Signature:**

**Martin Ø**  
**Iversen**  
i.A. ....  
Martin Iversen  
Laboratory manager

Digitally signed by  
Martin Ø. Iversen  
Date: 2024.04.29  
22:02:34 +02'00'

**Christer A.**  
**Bjørshol**  
.....  
Christer Bjørshol  
BU manager

Digitalt signert av  
Christer A. Bjørshol  
Dato: 2024.04.30  
08:35:45 +02'00'

## UKCA Declaration of Conformity (DoC)

Document No.: UKCA0623M  
Rev.: 2

Manufacturer: **Glamox AS**

Address: Birger Hatlebakksvæg 15  
NO-6415 Molde, Norway

Product type: **LED Luminaire for explosive environment zone 1 and 2**

Product description: **MAX G2 - series**

EX Code:  I12G Ex eb mb IIC T4 Gb  
I12D Ex tb IIIC T82°C Db

Valid for products manufactured from signature date until new revision released

We declare under sole responsibility that the above listed product series confirm with the Regulations/standards listed

UK Product Regulation	<b>Electromagnetic Compatibility Regulations 2016</b>
Designated standards	<b>BS EN 55015:2019 + A11:2020</b> EMC emission requirements for electrical lighting and similar equipment <b>BS EN 61547:2009</b> Equipment for general lighting purposes – EMC immunity requirements <b>BS EN 61000-3-2:2019</b> Limits for harmonic currents
UK Product Regulation	<b>Electrical Equipment Safety Regulations 2016</b>
Designated standards	<b>BS EN 60598-1:2015 + A1:2018</b> Luminaires –General requirements and tests <b>BS EN 60598-2-1:1989</b> Luminaires - Particular requirements; – Fixed general-purpose luminaires <b>BS EN 60598-2-24:2013</b> Luminaires – Particular requirements – Luminaires with limited surface temperature <b>*) additional for Emergency Light:</b> <b>BS EN 60598-2-22:2014 + A1:2020</b> Luminaires –Particular requirements – Luminaires for emergency lighting
UK Product Regulation	<b>Restriction of the use of Hazardous Substances in Electrical and Electronic Equipment Regulations 2012</b>
UK Product Regulation	<b>Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016</b>
Designated standards	<b>BS EN 60079-0:2017/2018</b> General requirements EX-equipment <b>BS EN 60079-7:2017/2015-A1:2018</b> Increased safety (Ex e) <b>BS EN 60079-18:2014/2015</b> Encapsulation (EX m) <b>BS EN 60079-31:2013/2014</b> Dust protection by enclosure (Ex t)
Additional standards	IEC 60092-306:2022 - Luminaire for marine use
UKEx Certificate UK Approved Body UKEx QAN	DNV 23 UKEx 11241X, UKAB no. 8501 8501 DNV

Place, Date Molde, 30. April 2024

Email: info@glamoxluxonic.co.uk  
Web: www.glamox.co.uk

UK repr.  
Glamox Luxonic Ltd.  
Priestley Road  
Basingstoke  
Hampshire  
RG24 9JP

i.A.  Digitally signed  
by Martin Ø.  
Iversen  
Date: 2024.04.30  
10:31:39 +02'00'

Martin Iversen  
Laboratory Manager

 Digitalt signert av  
Christer A. Bjørshol  
Date: 2024.04.30  
12:36:43 +02'00'

Christer Bjørshol  
Producing Unit Manager

Note:  
This declaration of conformity loses the validity, if the product  

- is modified, completed or changed in another way
- is operated with not authorized spare parts or accessories
- is installed and operated in an improper manner

without express consent of Glamox AS

# What to do if...

- LED module do not light:
  - Check that the mains voltage is in the voltage range of the luminaire
  - Open the luminaire and check the following:  
Check the wires, the contacts, if defect components it is possible to change these or complete gear tray + battery
- The charging LED indicator do not light:
  - Open the luminaire and check the following:  
The connection of L4, the battery and the charging unit
- Emergency illuminance level is too low:
  - Clean the cover of the luminaire
  - Change the battery
- Emergency lighting time is under the specified time (for standard luminaire):
  - Change the battery
- Visible moisture/damp inside luminaire:
  - Shut down mains/power before opening the luminaire. Dry out with a dry cloth and close the luminaire
  - If there is accumulated water inside an investigation of the cause should be performed. Check Cable glands towards cable and housing

Manufacturer:

Glamox AS

Birger Hatlebakksveg 15

NO-6415 Molde, Norway

**English**

For further installation and maintenance guidance, please see the document "Installation and maintenance manual" on our website.

**Norsk**

For ytterligere installasjons- og vedlikeholdsveiledning kan du lese dokumentet "Installation and maintenance manual" som finnes på våre nettsider.

**Svenska**

För övriga installation och underhålls uppgifter, var vänlig se vårt dokument "Installation and maintenance manual" på vår hemsida.

**Deutsch**

Weitere Installations- und Wartungsweise finden Sie in dem Dokument "Installation and maintenance manual" auf unsere Webseite.

**Suomi**

Tarkemmat asennus- ja huolto-ohjeet löydät kotisivuiltamme tuotteen tuotesivun kohdasta "Ladattavat tiedostot".

**Eesti**

Lisainformatsiooni saamiseks vaata palun "Installation and maintenance manual" meie koduleheküljelt.

**Nederlands**

Voor verdere installatie en onder houd, zie het document "Installation and maintenance manual" op onze website.

**Dansk**

For yderlig information om installation og vedligeholdelse, se venligst dokumenterne på vores hjemmeside på det pågældende produkt.

**Polski**

Dalsze wskazówki dotyczące instalacji i konserwacji znajdują się w dokumencie „Instrukcja instalacji i konserwacji” na naszej stronie internetowej.

