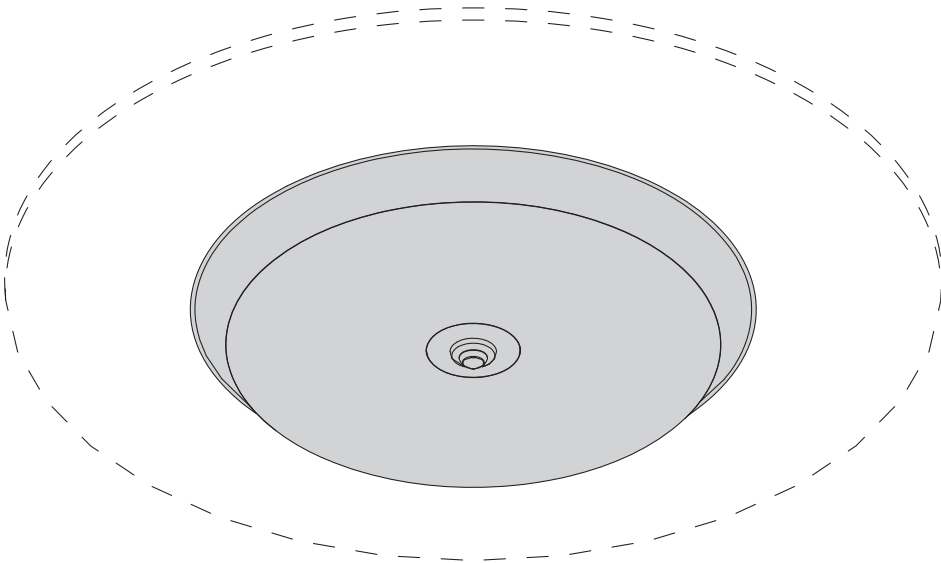


Rondel 21

Emergency Kit

0MD5303B

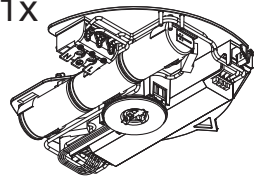


Rondel 21 - Emergency Kit

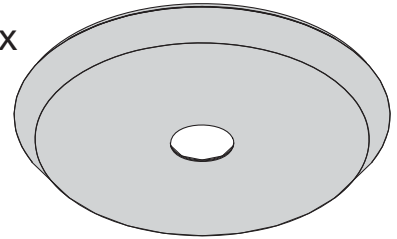
- 1. Installation - Page 2
- 2. Commissioning - Page 6
- 3. Manual System Test - Page 7
- 4. Battery Charge - Page 8

0MD5303B

1x



1x

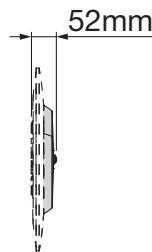
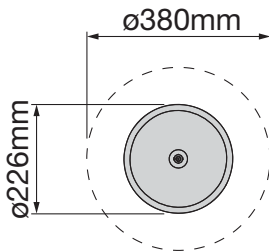


1x

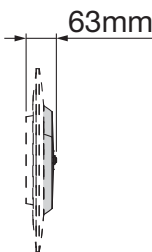
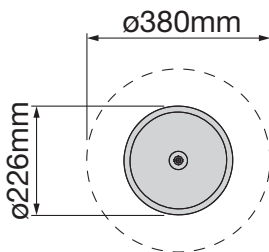


kg = 0.42

0MD5307L + 0MD5303B



0MD5307L + 0MD5303B + MD5300D

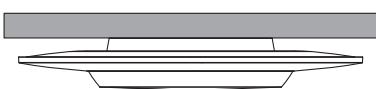


ta > 0°C

0MD5307L + 0MD5303B



0MD5307L + 0MD5303B + 0MD5300D

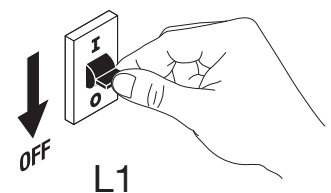
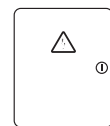


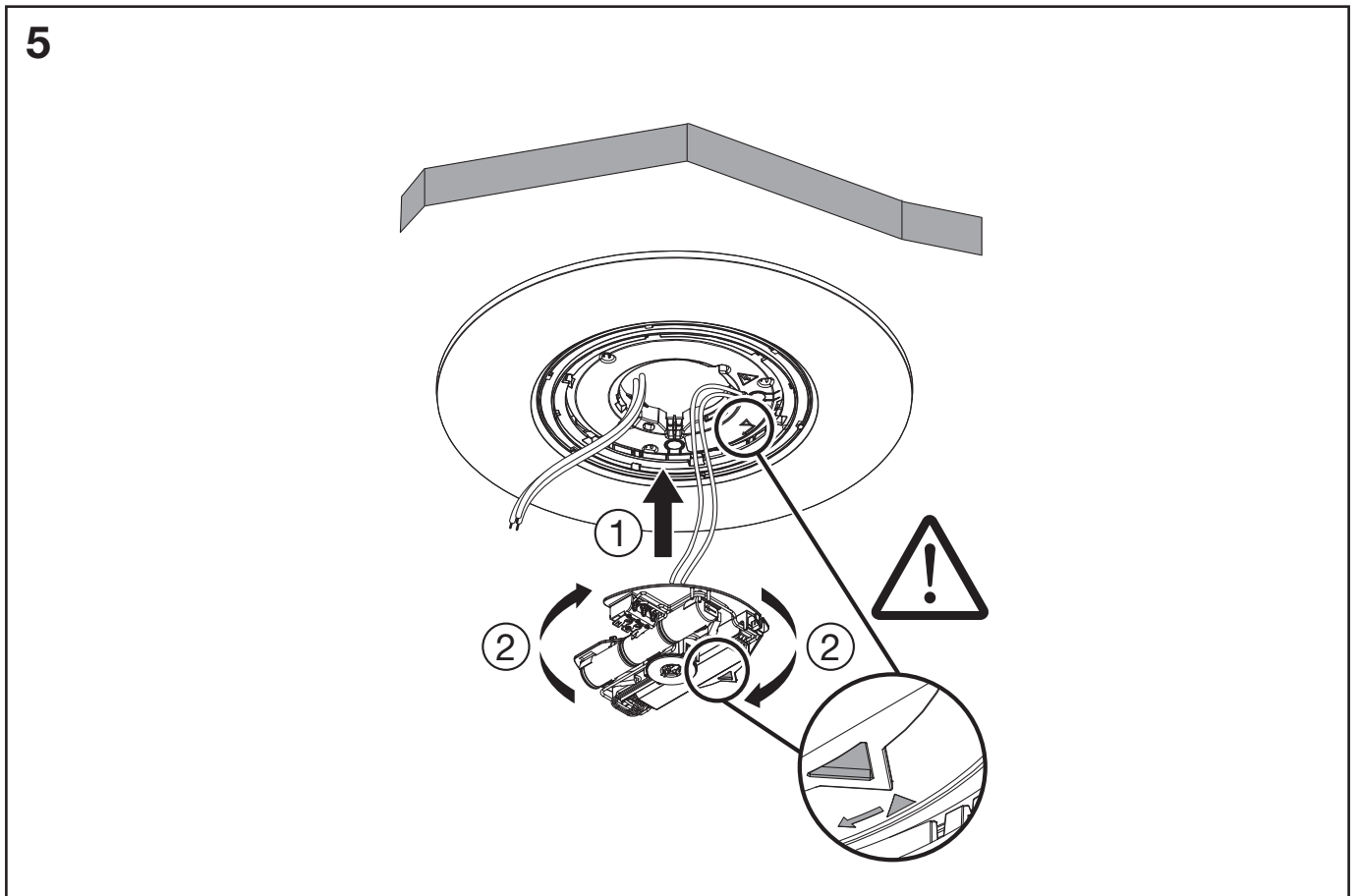
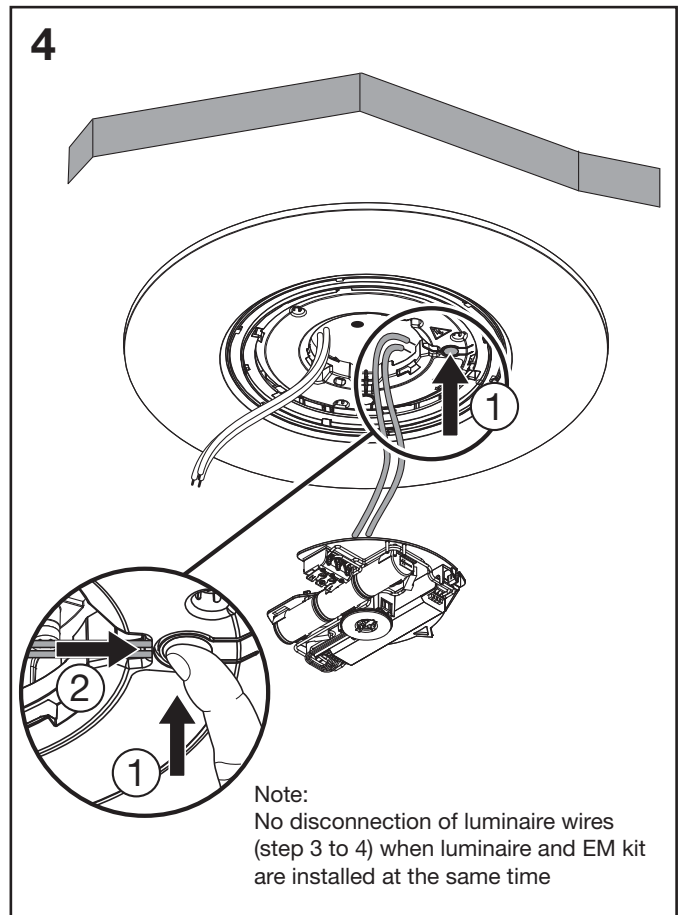
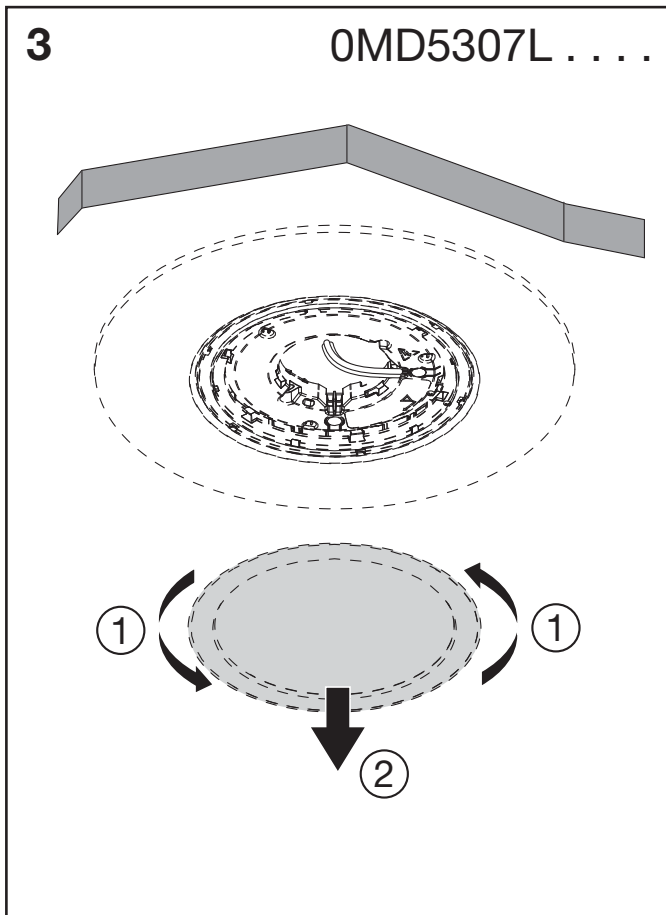
1

- 0MD5307L1840
- 0MD5307L1830
- 0MD5307LL18TW
- 0MD5307L0940
- 0MD5307L0930



2





6

L1= Permanent main supply

L= Connection switch and Luminaire

N= Neutral

i L1 =

7

Inserting and connecting the battery into the EM-Kit only when it can be ensured that there is a constant voltage supply on L1 for at least 51 hours to guarantee an optimal charging of the battery

The process of charging must not be interrupted otherwise the battery can be damaged and a proper function can not be guaranteed.

Without an "active" battery, the EM-Kit will show a red flashing light and maintain this until step 7 is completed appropriately.

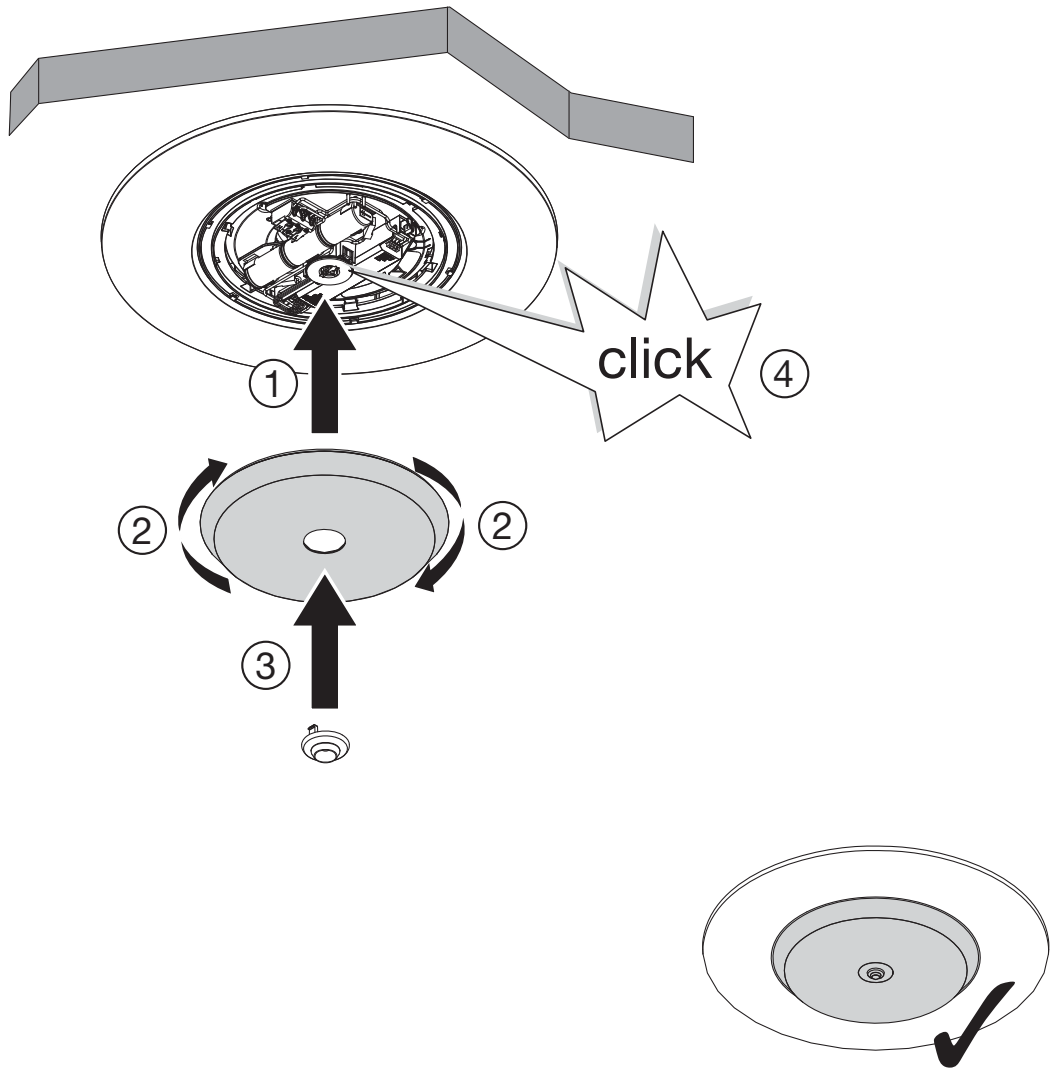
Inserting the battery and starting the 51h charging cycle can be performed at any later time.

Check date of manufacturing (D.O.M.):
Not older than two years

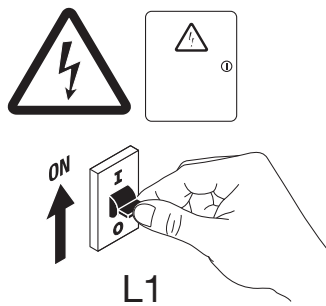
Date of Installation
_ / _ / _

mackwell 9005189
3.6V 2Ah NiCd

8



9



Rondel 21 - Emergency Kit

Commissioning

The permanent power supply (L1) should not be interrupted during the initial charging period. In normal operation a 24h charging of the battery is mandatory to achieve the rated emergency duration of 3h.

DALI / AutoTest variants will begin an automatic commissioning process on initial power-up as outlined in the table below:

During commissioning, the emergency function is inhibited.

LED Indication	Stage / Period	Status
Green 0.5Hz Flash	1...24h	Initial Battery Charge
Green 0.5Hz Flash	2...Rated Duration	Duration Test
Green 0.5Hz Flash	3...24h	Battery Recharge
Green with 10s pulse	4...Normal Operation	Commissioning Complete

Duration Test: 3 Hours

Commissioning in total: 51 Hours

The commissioning process of the Rondel 21 EM kit starts automatically as soon as L1 is permanently connected to the power supply. This includes a 24h charging cycle, a 3h discharging and a second 24h charging cycle. During this period the green status LED is flashing slowly. When commissioning of the EM-Kit is finished the status LED flashes green with a 10 second pulse. Now the EM kit is ready for standard operation.

DALI / AutoTest variants - Bicolour, red/green indicator LED

LED Indication	Status
Green with 10s pulse	Normal, Commissioned. Standby Mode
Green 0.5Hz Flash	Commissioning or Duration Test in Progress
Green 2Hz Flash	Function Test in Progress
Green double pulse, 10s off.	Rest Mode or Flat Battery
Red 0.5Hz Flash	Charging or Battery Fault
Red 2Hz Flash	Lamp Fault
Off	No Power & Battery Disconnected / Flat

Green LED = System Fine / in Test etc. All is fine! Don't touch!
Red LED = Battery or Lamp Fault -> Change defect part!

Test Facilities

A test switch* can be connected so that manual function tests can be performed without disconnecting the live supply. Switches require Normally Open contacts, rated for 30Vdc, 1A.

DALI / AutoTest variants automatically test their function and performance in accordance with BS/EN 62034. Test schedules are set by the control gear to ensure random testing of luminaires. As a consequence, tests may occur at any time and caution should be taken where this may be inconvenient, such as hotels or hospitals. This may be alleviated by using DALI variants to adjust the test start times via DALI command.

A 30 second function test is performed automatically at 30-day intervals. This test can be initiated manually at any time by switching the live supply Off/On twice, or pressing the test switch if fitted, twice, within 5s.

Duration Tests are performed automatically once a year by the control gear switching into emergency operation for its rated duration.

A recorded lamp fault condition can be cleared by replacing or fixing the defective lamp and initiating a function test to verify correct operation.

* Available on all product variants enabling connection of a low voltage test switch.

Rondel 21 - Emergency Kit

If you want to do a capacity test of the battery by hand, make sure the following before you start:

LED Indication	Status
Green with 10s pulse	Normal,Commissioned, Standby Mode

A flashing red LED is indicating a fault.

The 0.5Hz flashing indicates a charging fault in general or the battery status is end of life and it has to be replaced.

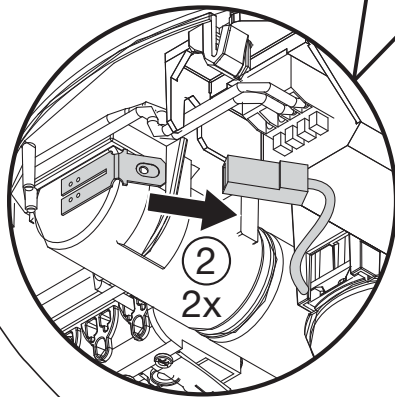
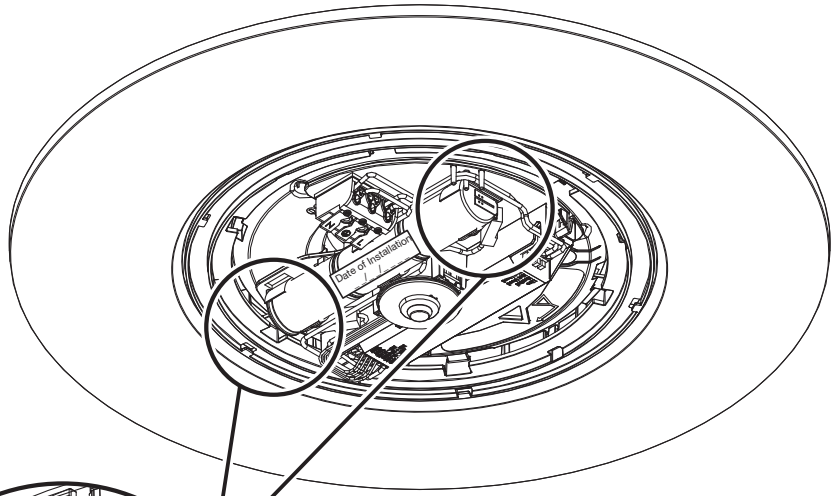
If the emergency light LED is defective, the LED is flashing with 2Hz

LED Indication	Status
Red 0.5Hz Flash	Charging or Battery Fault
Red 2Hz Flash	Lamp Fault
Off	No Power & Battery Disconnected / Flat

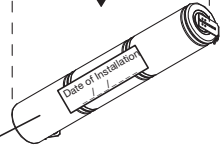
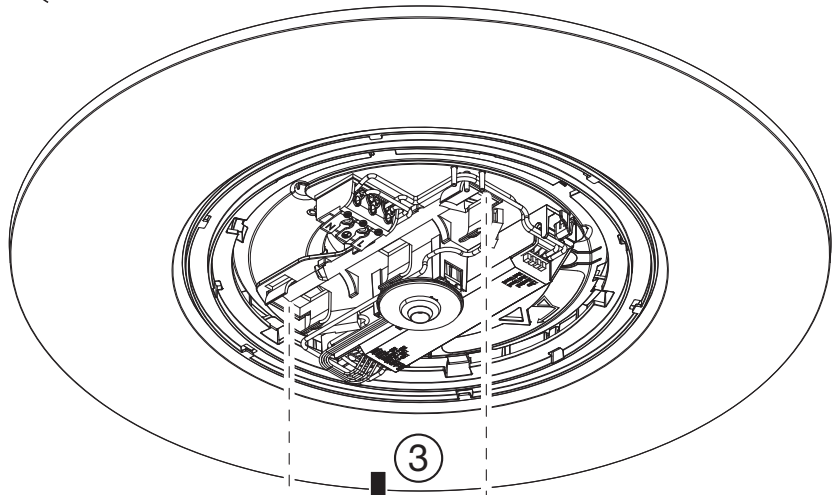
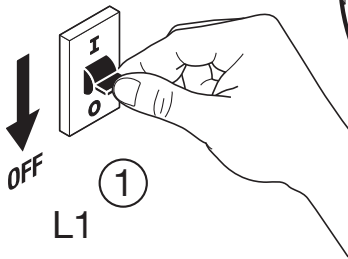


mackwell
9005189

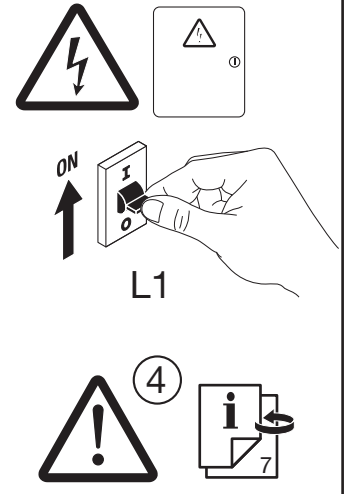
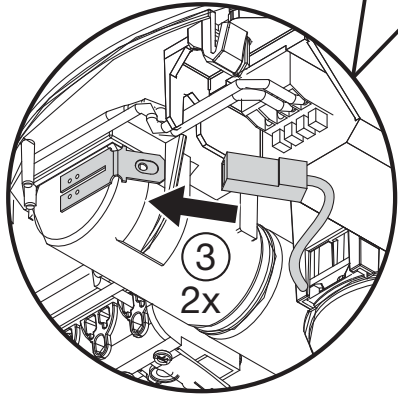
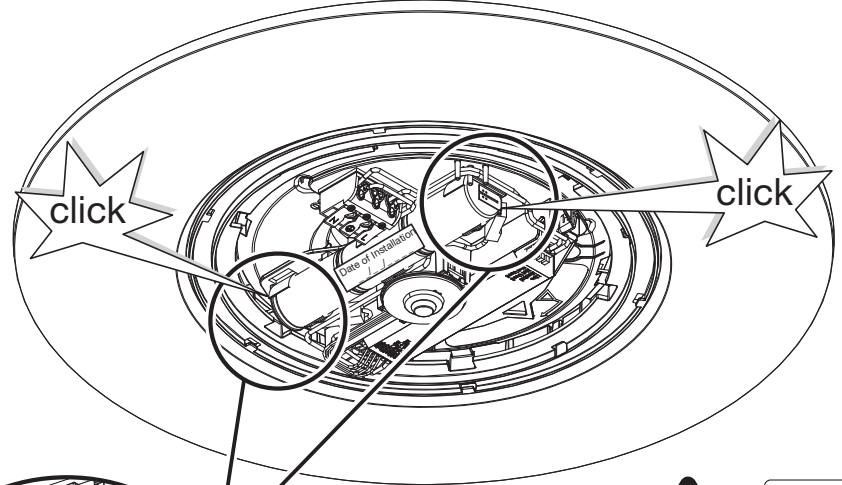
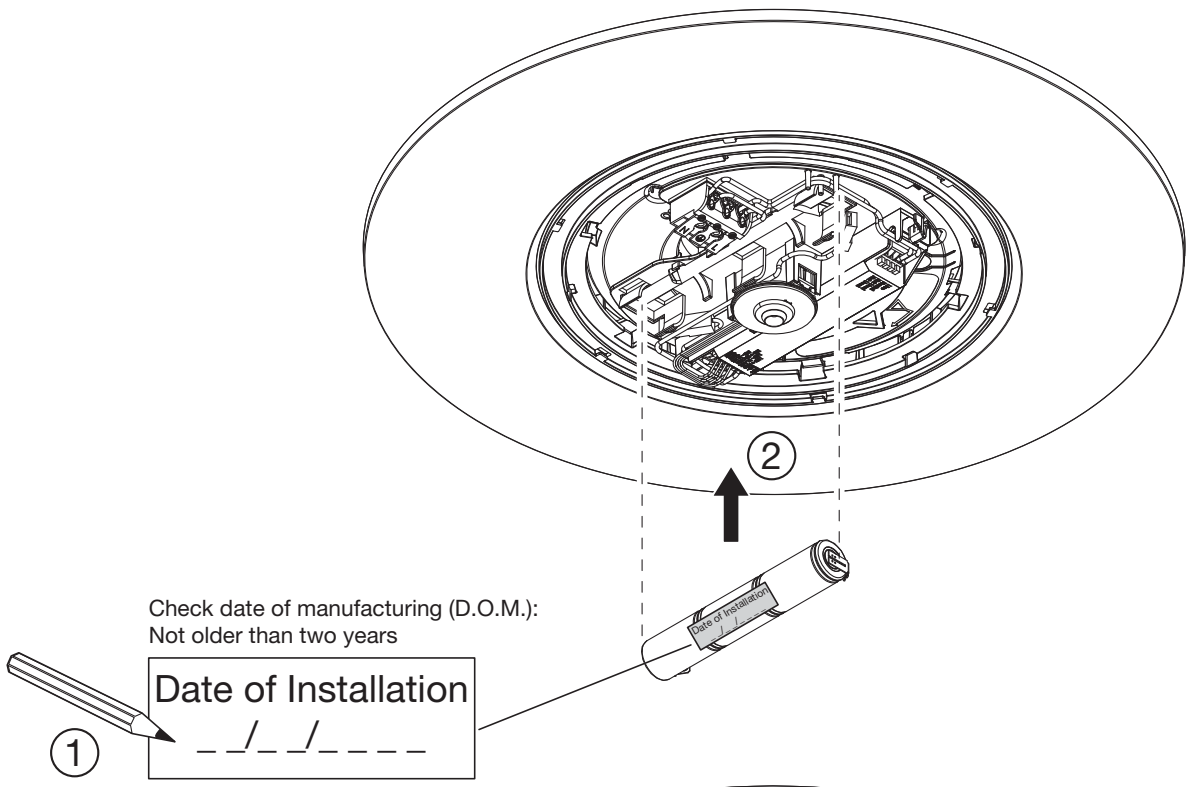
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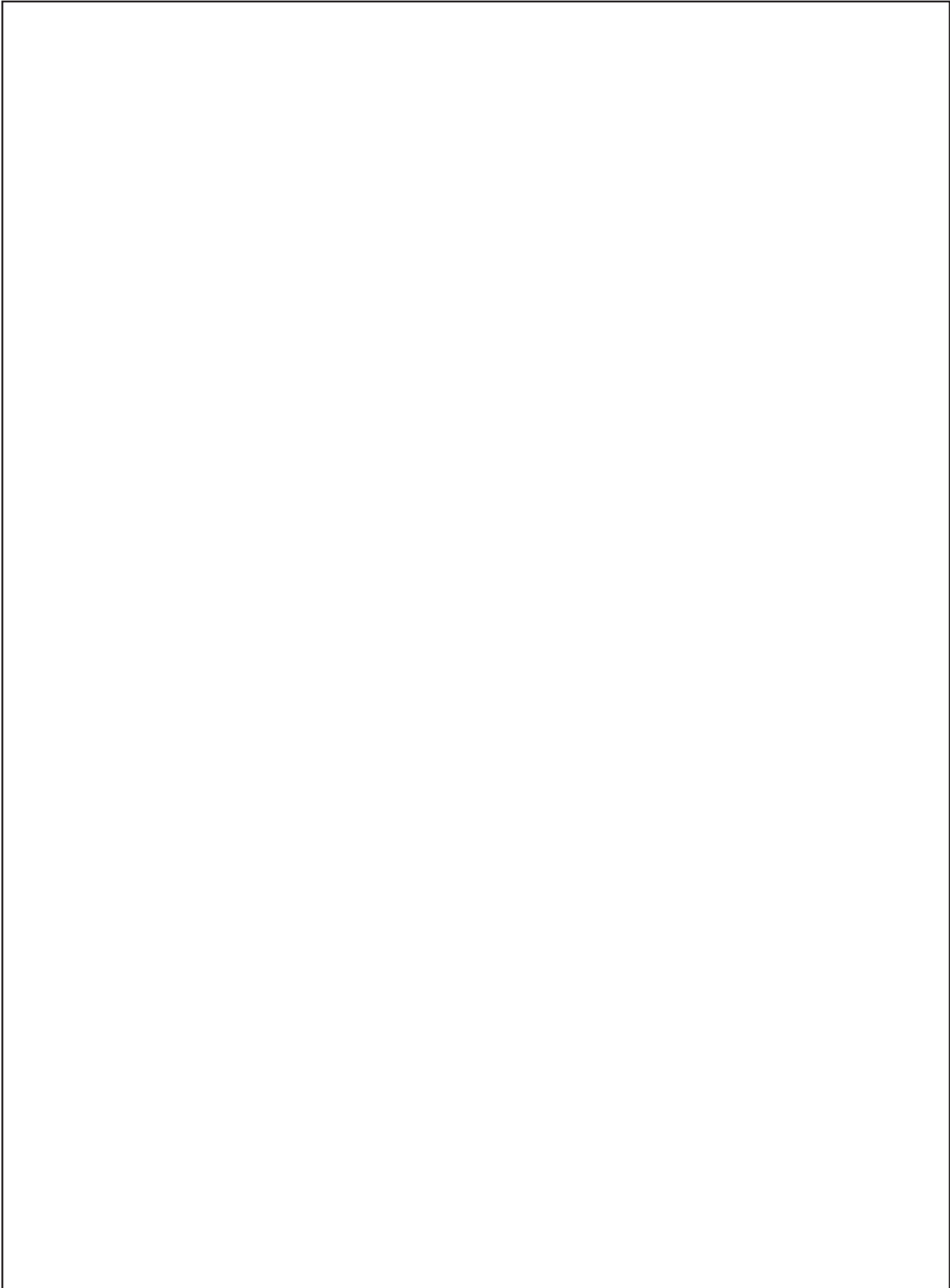


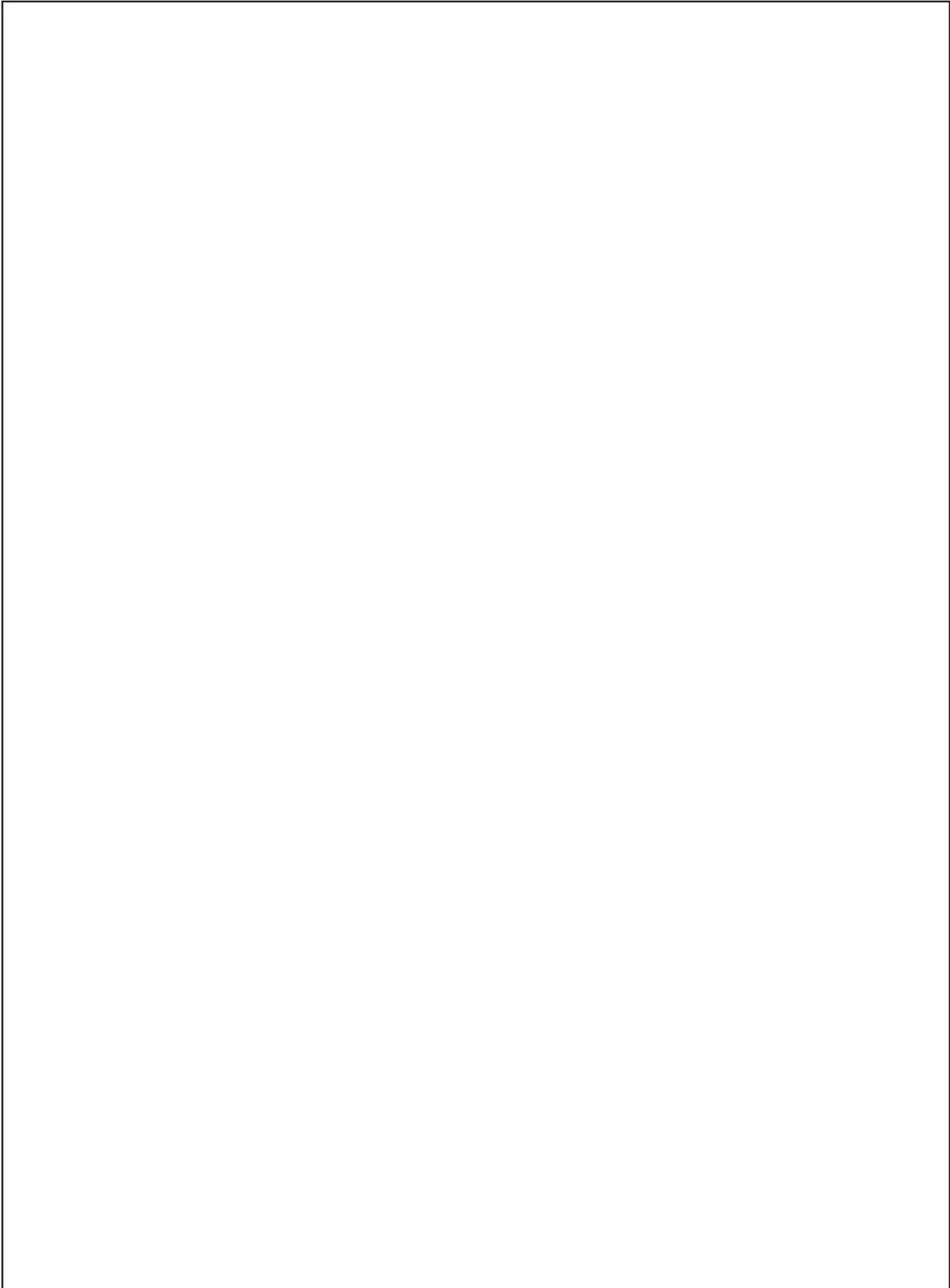
If the red LED flashes in 0.5 hz the battery has to be replaced. To do this, disconnect the voltage from L1=main supply first and replace the battery then. However, this should only be done if you can guarantee the 51h commissioning time afterwards without interruption. System will be ready after 51h and work in normal mode again.

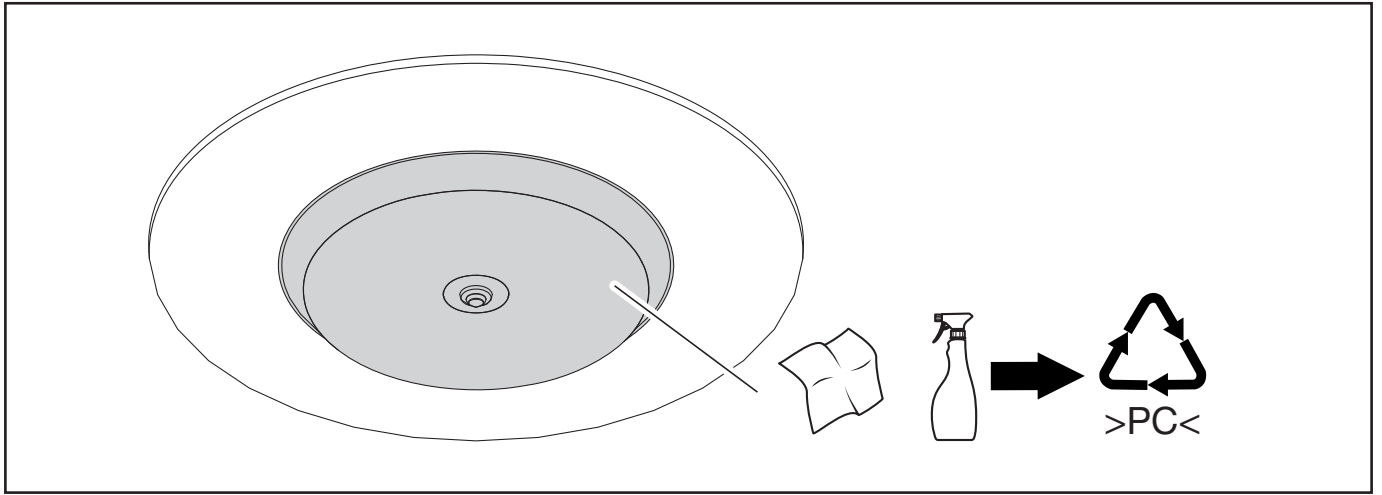


2









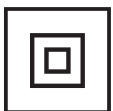
(D) Die Installation muss von einer Fachkraft ausgeführt werden. (GB) Installation must be performed by a qualified person.
 (F) L'installation doit être réalisée par une personne qualifiée. (I) L'installazione deve essere eseguita da una persona qualificata.
 (E) La instalación debe realizarla una persona cualificada. (P) A instalação deve ser executada por um electricista qualificado.
 (GR) Η εγκατάσταση πρέπει να γίνει από ειδικευμένο τεχνικό. (NL) Installatie moet verricht worden door een gekwalificeerde persoon.
 (S) Installationen måste utföras av en fackman. (TM) Vain pätevä henkilö saa suorittaa asennuksen.

(N) Installasjon må utføres av en fagperson. (DK) Installationen skal udføres af en kvalificeret person. (CZ) Instalaci musí provést kvalifikovaná osoba.
 (RU) Установка должна осуществляться квалифицированным специалистом. (H) A felszerelést kizárólag szakképzett személy végezheti.
 (PL) Instalacja powinna być przeprowadzona przez osobę o odpowiednich kwalifikacjach. (SK) Montáž musí uskutočniť kvalifikovaná osoba.
 (SI) Namestitev mora izvesti strokovno usposobljena oseba. (TR) Kurulum kalifiyeli bir kişi tarafından gerçekleştirilmelidir.
 (HR) Instalaciju mora izvršiti kvalificirano osoblje. (RO) Instalarea trebuie efectuată de o persoană calificată. (BG) Монтажът трябва да се извърши от лице с необходимата квалификация.
 (ES) Paigalduse peab teostama kvalifitseeritud isik. (LT) Montavimą turi atlikti kvalifikuotas darbuotojas.
 (LV) Instalācija jāveic atbilstoši kvalificētai personai. (SRB) Instalacija mora biti izvedena od strane kvalifikovane osobe.
 (UA) Встановлення має виконуватись кваліфікованим спеціалістом. (KZ) Орнату жұмыстарын білікті маман орындауға тиіс.



(D) Die in dieser Leuchte enthaltene Lichtquelle darf nur durch den Hersteller, seinen Kundendienst oder eine ähnlich qualifizierte Person ausgewechselt werden. (GB) The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
 (F) La source de lumière intégrée dans ce luminaire doit être remplacée uniquement par le fabricant, un agent de maintenance ou une autre personne possédant les mêmes qualifications.
 (I) La sorgente luminosa contenuta in questo apparecchio di illuminazione potrà essere sostituita esclusivamente dal produttore o da un tecnico dell'assistenza autorizzato, oppure da una persona qualificata in tal senso.

(E) La fuente de luz dentro de la luminaria sólo debe de sustituirse por el fabricante o personal cualificado para ello. (P) A fonte de luz contida nesta luminária só deve ser substituída pelo fabricante ou pelo seu agente de serviço ou por idêntica pessoa qualificada.
 (GR) Η πηγή φωτός που περιλαμβάνεται σε αυτήν τη λυχνία μπορεί να αντικατασταθεί μόνο από τον κατασκευαστή, τον αντιπρόσωπο ή από κάποιον ειδικευμένο τεχνικό. (NL) De lichtbron in dit armatuur mag alleen worden vervangen door de fabrikant of zijn servicevertegenwoordiger of een soortgelijk gekwalificeerd persoon.
 (S) Ljuskällan i denna armatur får endast bytas av tillverkaren eller dennes serviceverkstad eller en behörig person. (FIN) Tämän valaisimen sisältämän valonlähteen saa vaihtaa ainoastaan valmistaja tai tämän huoltoedustaja tai vastaava ammattihenkilökunta.
 (V) Lyskilden i denne lampen skal bare skiftes ut av produsenten, en servicerepresentant for produsenten eller en lignende kvalifisert person.
 (DK) Lyskilden i dette armature må kun udskiftes af fabrikanten, fabrikantens serviceagent eller personale med tilsvarende kvalifikationer.
 (CZ) Světelný zdroj v tomto svítidle může být vyměněn pouze výrobcem, v servisu nebo kvalifikovanou osobou.
 (RU) Источник света в данном светильнике должен быть заменен производителем, его сервисной службой или другим квалифицированным персоналом.
 (H) A fényforrást csak a gyártó, ill. a gyártó által megbízott szerviz szakembere cserélheti.
 (PL) Źródło światła zastosowane w tej oprawie powinno być wymieniane wyłącznie przez producenta lub wykwalifikowaną osobę.
 (SK) Svetelný zdroj v tomto svietidle môže vymeniť len výrobca alebo kvalifikovaný servis na to určený.
 (SI) Svetlobni vir, vsebovan v tej svetilki, lahko zamenja samo proizvajalec ali njegov zastopnik storitev ali usposobljena oseba.
 (TR) Bu armatürde bulunan ışık kaynağı sadece imalatçı veya onun servis acentesi veya benzer bir kalifiye kişi tarafından değiştirilir.
 (HR) Izvor svjetlosti u ovoj svjetiljci smije biti zamjenjen isključivo od strane proizvođača, njegovog servisa ili slične, kvalificirane osobe.
 (RO) Sursa de lumina se va schimba doar de personalul producatorului sau in service de catre personal calificat.
 (ES) El fabricante o su agente de mantenimiento o una persona con las mismas cualificaciones.
 (LT) A šaltinį šioms šviestuvė turi būti pakeistas gamintojo ar kvalifikuoto specialisto.
 (LV) Šī gaismekļa gaismas avotu var aizstāts tikai ražotājs vai tā pakalpojumu sniedzēja, vai līdzīgi kvalificēta persona.
 (SRB) Svetlosni izvor u ovoj svjetiljci biće zamenjen isključivo od strane proizvođača ili njegovog ovlašćenog servisa ili druge kvalifikovane osobe.
 (UA) Джерело світла яке міститься в цьому світильнику може бути замінене лише виробником, уповноваженим сервісним агентом, або подібною за кваліфікацією персоною.
 (KZ) Шығарданның жарық көзін тек қана өндіруші немесе оның сервистік агенті алмастыру керек.



5MA69-256500_ac
11.10.2022 / KIN

Siteco GmbH
 Georg-Simon-Ohm-Straße 50
 83301 Traunreut, Germany
 mail: technicalsupport@siteco.de
 Phone: +49 8669 / 33-844
 www.siteco.com