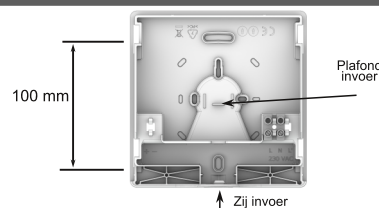




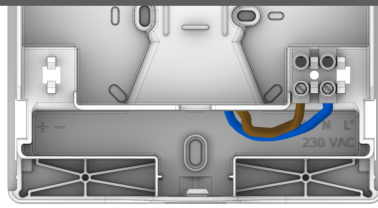
# Montage & Service Handleiding CELO Plafond

**Famostar**  
emergency lighting

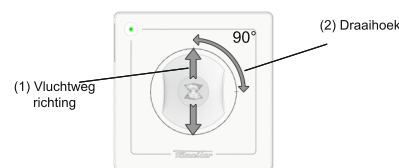
## MONTAGE



**1** Bepaal de invoeropening en plaats eventueel een tule of wartel. Monteer de montagebak.

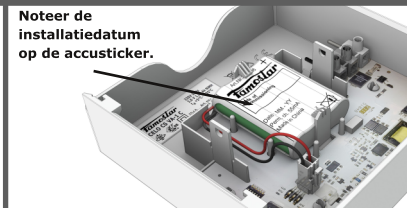


**2** Sluit de bedrading aan volgens het aansluitschema.

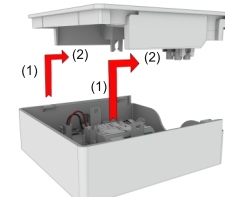


LET OP: Alleen L- en XL-versies zijn draaibaar!

**3** (1) Bepaal voor de L- en XL-versie armaturen de richting van de vluchtweg.  
(2) Draai de lensrotator in de juiste positie.



**4** Plaats de accustekker.



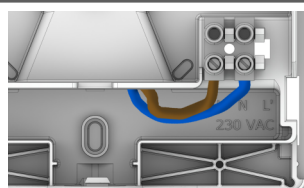
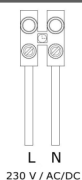
**Klik !**

**5** Monteer de lichtunit:  
(1) door deze over de montagebak te plaatsen.  
(2) en vervolgens in de richting van de zij invoer te schuiven.

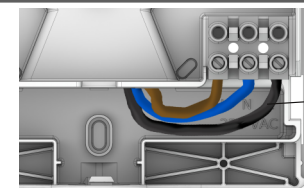
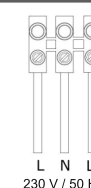
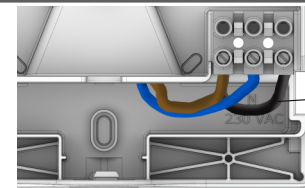
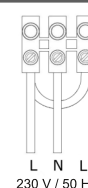
## AANSLUITSCHAMA

**CELO CS VA-1**  
**CELO CS V-230**

Voor DALI uitvoering:  
zie DALI handleiding.



**CELO CS VPA-1**



Schakeldraad

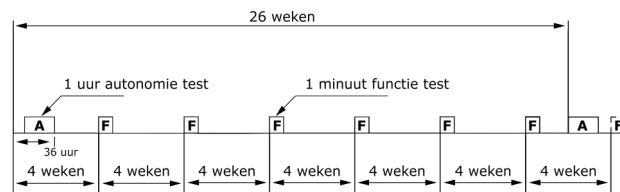
## TESTSCHEMA

### STATUSINDICATIE:

- Normaal / Accu wordt opgeladen
- Autonomie niet gehaald
- Accu Storing
- Led storing
- Elektronica storing

### ATS CYCLUS:

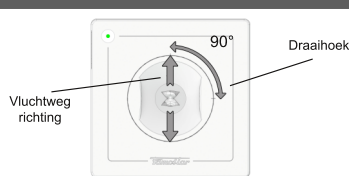
**Automatisch**  
**Test**  
**Systeem**



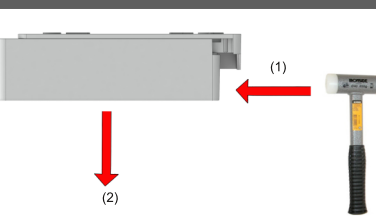
## ONDERHOUD



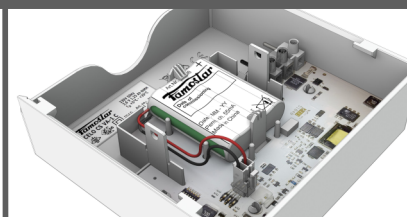
**1** Reinig de armatuur elk jaar. Houd het logboek up-to-date na inspectie. Onderhoud volgens ISSO publicatie 79.



**2** Voor de L- en XL-versies: Controleer of de lensrotator nog steeds in de juiste positie staat.



**3** Demonteer de lichtunit:  
(1) door deze m.b.v. een beheerste klap met een rubber hamer of vuist zijwaarts te schuiven,  
(2) en de lichtunit naar beneden te trekken.



**4** Vervang de accu elke 8 jaar of als de autonomiesysteem niet wordt gehaald. Noteer de installatiedatum op de sticker van de nieuw geplaatste accu.

## SPECIFICATIES

| Type          | Spanning      | Opgenomen vermogen* | Stroom* | Power factor |
|---------------|---------------|---------------------|---------|--------------|
| CELO CS VA-1  | 230 V / 50 Hz | 2 W / 3,9 VA        | 17 mA   | 0,6          |
| CELO CS VPA-1 | 230 V / 50 Hz | 2,5 W / 4,6 VA      | 20 mA   | 0,55         |
| CELO CS V-230 | 230 V / AC/DC | 2,75 W / 5,3 VA     | 23 mA   | 0,51         |

\*maximale waarden bij ingeschakelde lichtbron en niet volledig geladen accu



**LET OP:** De armatuur moet zodanig worden gemonteerd dat langdurig staren in de lichtbron, op een afstand kleiner dan 0,45 meter, niet aanmerkelijk is.

Montage en onderhoud dienen uitgevoerd te worden door opgeleid personeel. Montage en/of gebruik in afwijking van de specificaties kan (levens)gevaarlijk zijn door o.a. elektrische schok en/of brand.

|                                      |                                                              |
|--------------------------------------|--------------------------------------------------------------|
| <b>Montage</b>                       | Op normaal ontvlambare oppervlaktes.                         |
| <b>Alleen voor vaste aansluiting</b> | Aansluiten met XMVK, YMKV of gelijkwaardig                   |
| <b>Temperatuurbereik</b>             | +5°C tot +30°C (VPA-1 +5°C tot +40°C / V-230 +5°C tot +40°C) |
| <b>Afmetingen</b>                    | Zie <a href="http://www.famostar.nl">www.famostar.nl</a>     |
| <b>Autonomie</b>                     | 1 uur                                                        |
| <b>Lichtbron</b>                     | Led                                                          |
| <b>Lichtstroom</b>                   | 192 Lumen                                                    |
| <b>Accu</b>                          | 3,6 V 1,1 Ah NiMH (AA cel)                                   |
| <b>Beschermingsklasse</b>            | IP 40 (GA69 is IP 20)                                        |
| <b>Keurmerk</b>                      | ENEC Kema-Keur (IEC 60598-2-22)                              |
| <b>ATS</b>                           | Automatisch Test Systeem (IEC 62034)                         |
| <b>Isolatieklasse</b>                | Klasse II, toestellen hoeven niet geaard te worden.          |
| <b>Materiaal</b>                     | Polycarbonaat (PC)                                           |

Garantie, toebehoren, afstandstabellen en verdere informatie zie [www.famostar.nl](http://www.famostar.nl).



C-Lens



L-Lens



S-Lens



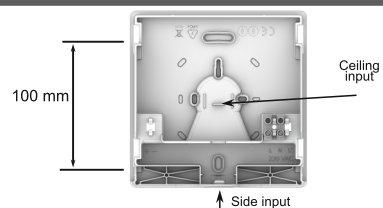
XL-Lens



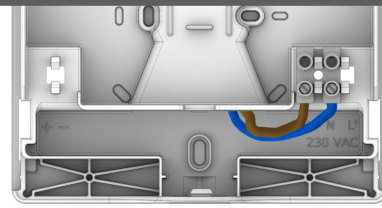
# Mounting & Service Manual CELO Ceiling

**Famostar**  
emergency lighting

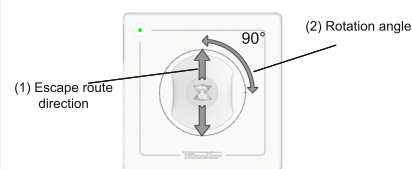
## MOUNTING



**1** Determine cable input opening. By use of the side input, place a grommet or cable gland. Mount the mounting plate.



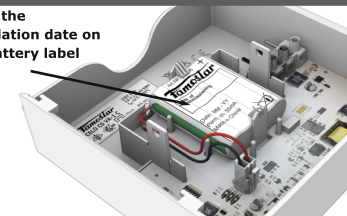
**2** Connect the wires according to the wiring diagram.



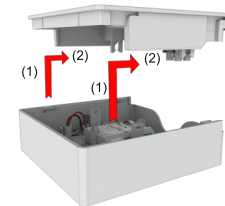
Attention: Only L- and XL-types are rotatable!

**3** (1) Determine for L- and XL-types fixtures the direction of the escape route.  
(2) Rotate the lensrotator in the desired position.

Write the installation date on the battery label



**4** Put the battery connector in position.



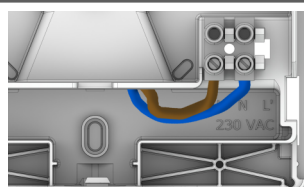
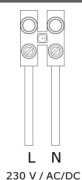
Click !

**5** Mount the lightunit:  
(1) by placing it over the mounting plate.  
(2) and slide it into the direction of the side input.

## WIRING DIAGRAM

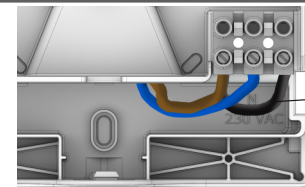
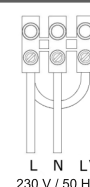
**CELO CS VA-1**  
**CELO CS V-230**

For DALI version:  
see DALI manual.

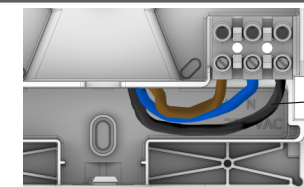
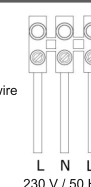


Non maintained or centrally supplied

**CELO CS VPA-1**



Maintained



Switchable

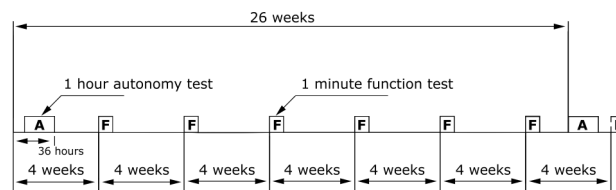
## TESTING

### STATUS INDICATION:

- Normal / Battery is being charged
- Required autonomy not achieved
- Battery failure
- Led failure
- Electronic failure

### ATS CYCLE:

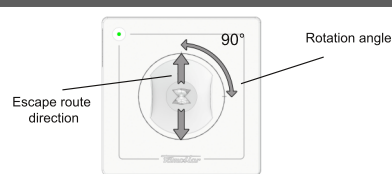
Automatic  
Test  
System



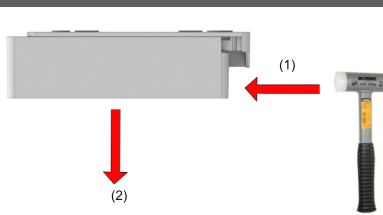
## SERVICE



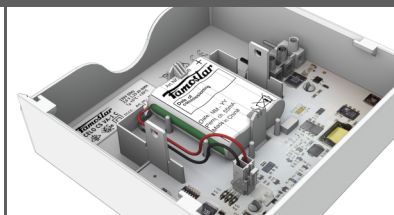
**1** Clean the luminaire every year.  
Keep the logbook up-to-date after inspection.  
Maintenance according ISSO publication 79.



**2** For L- and XL-types:  
Check if the lensrotator is still in the right position.



**3** Remove the lightunit from the mounting plate:  
(1) by sliding it sideways through a composed hit with a rubber hammer or fist,  
(2) and pulling the lightunit downwards.



**4** Change the battery every 8 years or if required autonomy isn't achieved.  
Write the installation date on the battery label of the new installed battery.

## SPECIFICATIONS

| Type          | Voltage       | Power consumption* | Current* | Power factor |
|---------------|---------------|--------------------|----------|--------------|
| CELO CS VA-1  | 230 V / 50 Hz | 2 W / 3,9 VA       | 17 mA    | 0,6          |
| CELO CS VPA-1 | 230 V / 50 Hz | 2,5 W / 4,6 VA     | 20 mA    | 0,55         |
| CELO CS V-230 | 230 V / AC/DC | 2,75 W / 5,3 VA    | 23 mA    | 0,51         |

\*maximum values at switched-on light source and not fully charged battery



**ATTENTION:** The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 0,45 meter is not expected.

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| <b>Mounting</b>                | Installation on normal flammable surfaces.                      |
| <b>Only for fixed mounting</b> | Use XMKV, YMKV or equivalent                                    |
| <b>Temperature range</b>       | +5°C till +30°C (VPA-1 +5°C till +40°C / V-230 +5°C till +40°C) |
| <b>Dimensions</b>              | See www.famostar.nl                                             |
| <b>Autonomy</b>                | 1 hour                                                          |
| <b>Light source</b>            | Led                                                             |
| <b>Rated lumen output</b>      | 192 Lumen                                                       |
| <b>Battery</b>                 | 3,6 V 1,1 Ah NiMH (AA cell)                                     |
| <b>Protection rate</b>         | IP 40 (GA69 is IP 20)                                           |
| <b>Marking</b>                 | ENEC Kema-Keur (IEC 60598-2-22)                                 |
| <b>ATS</b>                     | Automatic Test System (IEC 62034)                               |
| <b>Insulation class</b>        | Class II, double insulated (no ground connection needed).       |
| <b>Material</b>                | Polycarbonate (PC)                                              |

Warranty, accessories and spacing tables and further information see [www.famostar.nl](http://www.famostar.nl).



C-Lens



L-Lens



S-Lens



XL-Lens