

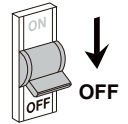
## IMPORTANT SAFETY NOTES



### **WARNING** RISK OF ELECTRIC SHOCK

#### **BEFORE YOU BEGIN**

- Read these instructions completely and carefully.
- The installation and connection of the luminaire must be done when switched off and by qualified people. Make sure no voltage while installation.



### **CAUTION**

#### **MAINTENANCE**

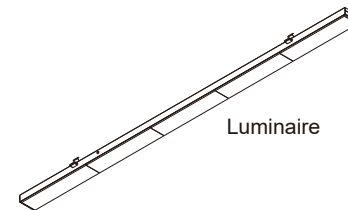
- To avoid injuries, disconnect power to the light and allow the unit to cool down before performing maintenance.
- Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on an annual basis. Frequency of use and environment should determine this.
- The Covers should be cleaned periodically as needed to ensure continued photometric performance. Clean the Cover with a damp, non-abrasive, lintfree cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur.
- Inspect the topside on the luminaire to ensure that it is free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.

**B**

This product contains a light source of energy efficiency class B.

ta: -20°C ...+40°C

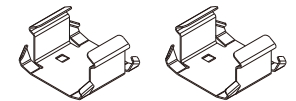
## Products



Luminaire

## Optional Accessories

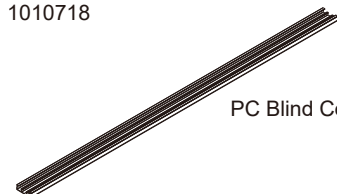
1011086, 1011087



Special extra spring

## Optional

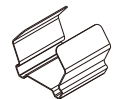
1010717, 1010718



PC Blind Cover

## Optional Accessories

1010719



Special extra spring

## Optional Plug

### 3-Pin

1011656



1011657



1011658



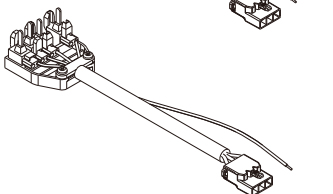
1011659



1011660



1011661



### 5-Pin

1011663



1011664



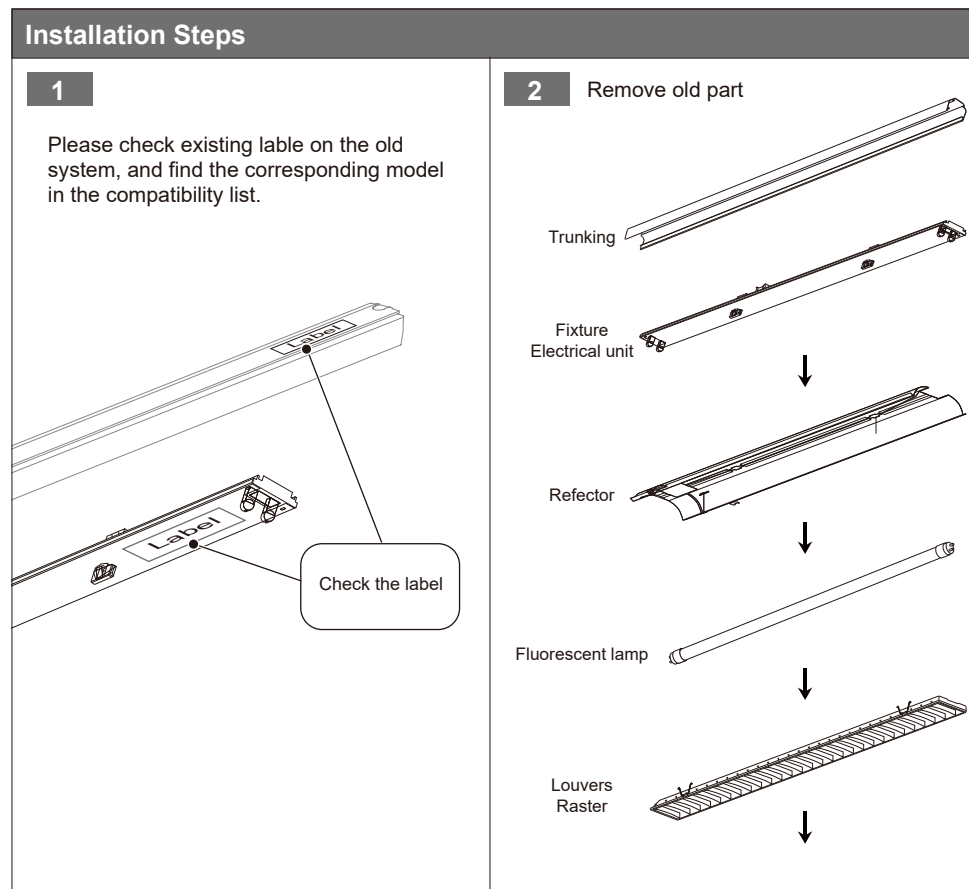
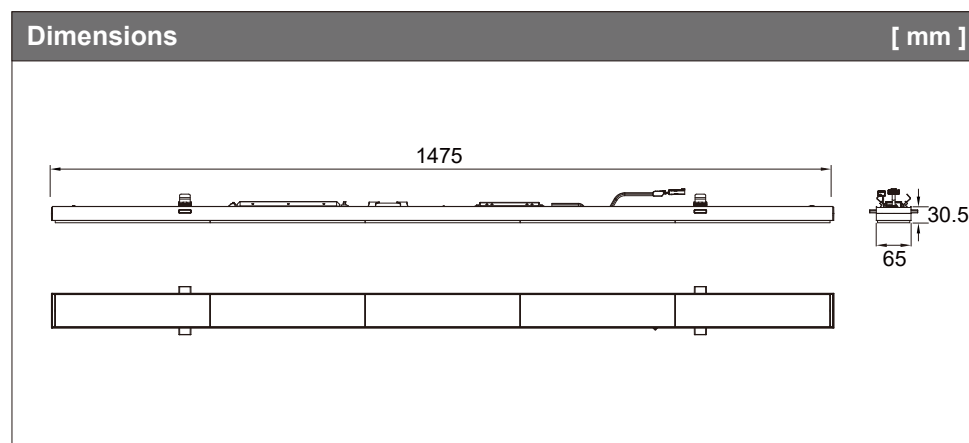
1011665



1011666

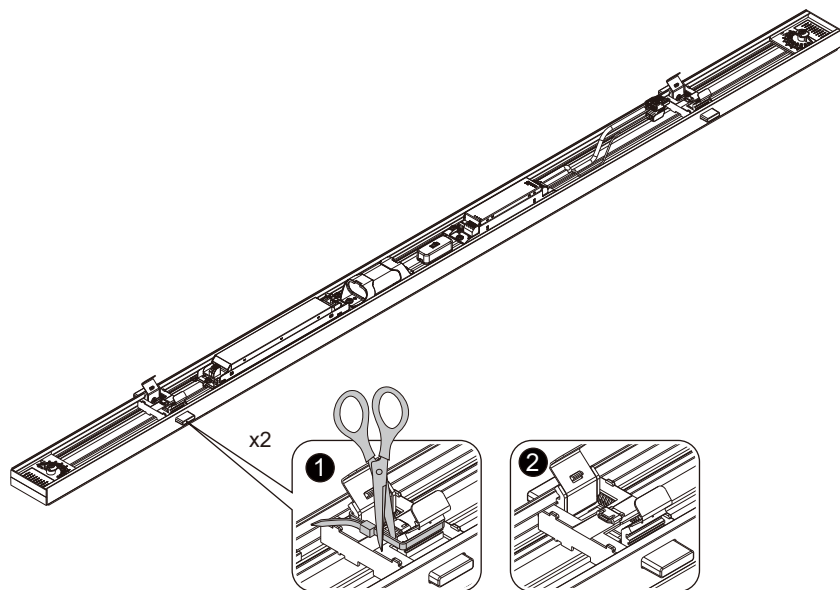


|                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><b>DA - Henvisning om bortskafning (EU)</b></p> <p>Produktet må ikke bortskaffes sammen med husholdningsaffaldet! Produkter med dette symbol skal i henhold til direktivet (WEEE) om affald af elektrisk og elektronisk udstyr bortskaffes via de lokale indsamlingssteder for gamle el-apparater! Gamle batterier og gamle akkumulatorer, der ikke er fast indbygget i det gamle apparat, og pærer, som uden at blive beskadiget kan tages ud af det gamle apparat, skal før aflevering på en genbrugsstation fjernes fra det gamle apparat uden beskadigelser. Distributører er i henhold til de gældende lovskrævn bestemmelser forpligtet til at tage imod gamle apparater fra en slutbruger. Det gamle apparat kan også sendes til følgende adresse til bortskaffelse i Tyskland:<br/> <b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg, Tyskland</b></p>                                |
|    | <p><b>PL - Wskazówka dotycząca utylizacji (Unia Europejska)</b></p> <p>Nie wolno wyrzucać produktu do śmieci domowych! Produkty oznakowane tym symbolem należy utylizować zgodnie z wytycznymi (WEEE) dotyczącymi starych urządzeń elektrycznych i elektronicznych w miejscowych punktach gromadzenia odpadów elektrycznych! Zużyte baterie i akumulatory, które nie są wbudowane w zużyte urządzenie, jak również lampy, które można wyjąć ze zużytego urządzenia w sposób nieniszczący, należy w sposób nieniszczący oddzielić od zużytego urządzenia przed przekazaniem go do punktu zbiórki. Zgodnie z obowiązującymi przepisami dystrybutorzy są zobowiązani do odbioru zużytych urządzeń od użytkownika końcowego. Zużyte urządzenie można również wysłać na poniższy adres w celu utylizacji na terenie Niemiec:<br/> <b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg, Niemcy</b></p>    |
|    | <p><b>RU - Указание по утилизации (Европейский Союз)</b></p> <p>Не утилизировать прибор вместе с бытовыми отходами! Продукты с подобным обозначением в соотв. с Положением (WEEE) по утилизации старых электрических и электронных приборов необходимо утилизировать через специальные пункты сбора старых электроприборов! Перед доставкой в пункт сбора необходимо отделить от старого устройства неразрушающим способом старые батареи и аккумуляторы, которые не заключены внутри старого устройства, а также лампы, которые можно извлечь из старого устройства неразрушающим способом. Согласно существующему законодательству дистрибьюторы обязаны принимать старые устройства от конечного пользователя.</p> <p>Старый прибор можно также отправить по следующему адресу для утилизации на территории Германии:<br/> <b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg, Германия</b></p> |
|    | <p><b>SV - Anvisningar för sophantering (Europeiska Unionen)</b></p> <p>Produkten får ej kastas i hushållssoporna! Produkter som är märkta med denna symbolen ska kastas i enlighet med riktlinjerna (WEEE) för elektriska och elektroniska apparater på de lokala uppsamlingsställena för el- och elektroniskskrot. Förbrukade batterier och ackumulatorer, som inte innesluts av aktuellt WEEE, t.ex. lampor, och som på ett icke-destruktivt sätt kan tas loss, ska innan WEEE lämnas till insamlingsstället separeras från den aktuellt WEEE. Distributörer är i enlighet med gällande lagstiftning skyldiga att ta hand om WEEE från slutanvändaren. Den gamla apparaten kan också skickas till följande adress för avfallshantering inom Tyskland:<br/> <b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg, Tyskland</b></p>                                                                 |
|    | <p><b>TR - Tasfiye açıklaması (Avrupa Birliği)</b></p> <p>Ürünü ev çöpiyle birlikte atmayın! Bu sembolü taşıyan ürünler, elektroteknik ve elektronik eski aletlerin yerel elektronik eski aletler toplama yerinde tasfiye edilmesi (WEEE) yönetmeliğine bağlıdır. Eski cihaz kapsamına girmeyen eski piller ve eski akümülatörler ve de eski cihazdan parçalanmadan çıkarılabilen lambalar, kayıt merkezine teslim edilmeden önce eski cihazdan parçalanmadan çıkarılmalıdır. Satıcılar ilgili yasal yükümlülüklerine göre eski cihazları son kullanıcılardan geri almakla yükümlüdür. Eski cihaz Almanya içinde imha edilmek üzere aşağıdaki adrese de gönderilebilir:<br/> <b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg, Almanya</b></p>                                                                                                                                                   |
|  | <p><b>HU - Hulladékkezelés (Európai Unió)</b></p> <p>A termék ne a háztartási hulladékkal együtt dobja ki! A fenti jellel ellátott termékeket a WEEE, irányelv szerint az elektromos és elektronikus termékek számára kihelyezett hulladékgyűjtőbe tegye! Az olyan elemeket és akkumulátorokat, melyek nem zártan vannak a használt készülékbe helyezve valamint a használt készülékből roncsolás nélkül eltávolítható lámpákat a gyűjtőhelyen történő leadást megelőzően károsítás nélkül el kell távolítani. A forgalmazók a vonatkozó jogi előírásoknak megfelelően kötelesek visszavenni a végfelhasználótól a használt készülékeket. A régi készüléket a következő címre is elküldheti Németországon belüli ártalmatlanításra:<br/> <b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg, Németország</b></p>                                                                                   |



## Installation Steps

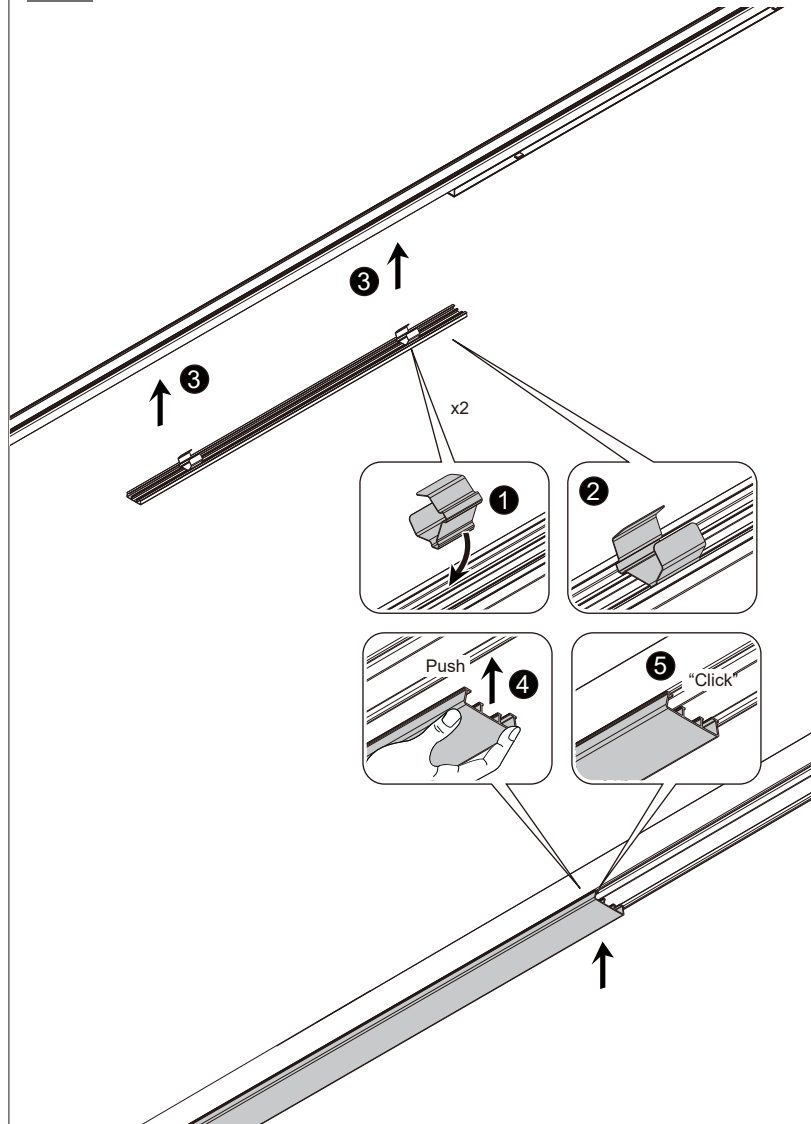
- 3** Before installation, please cut the tension straps to ensure that the pressingspring is in a released state



|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>DE - Entsorgung</b> (Europäische Union)</p> <p>Produkt nicht im Hausmüll entsorgen! Produkte mit diesem Symbol sind entsprechend der Richtlinie(WEEE) über Elektro- und Elektronik-Altgeräte über die örtlichen Sammelstellen für Elektro-Altgeräte zu entsorgen! Altbatterien und Altakkumulatoren, die nicht vom Altgerät umschlossen sind, sowie Lampen, die zerstörungsfrei aus dem Altgerät entnommen werden können, sind vor der Abgabe an einer Erfassungsstelle vom Altgerät zerstörungsfrei zu trennen. Verreiber sind, nach den jeweiligen gesetzlichen Verpflichtungen, verpflichtet Altgeräte von einem Endnutzer zurückzunehmen. Zur Entsorgung kann das Altgerät innerhalb Deutschlands auch an folgende Adresse versendet werden:</p> <p><b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  | <p><b>EN - Disposal</b> (European Union)</p> <p>Do not dispose the product with the regular household waste! Products marked with this sign must be disposed according to the directive (WEEE) on electrical and electronic devices at local collection points for such devices! Waste batteries and accumulators, which are not enclosed by the waste equipment, and lamps, which are removable non-destructively from the waste equipment are to be separated non-destructively from the waste equipment before turning to a local collection point.</p> <p>Distributors are, according to particular legislation, obligated to take back waste equipment from the final holder. For disposal within Germany the waste equipment may be send to the following address:</p> <p><b>SLV GmbH, Technischer Service, Werkstrasse 8-10, 52531 Übach-Palenberg, Germany</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|  | <p><b>FR - Information de recyclage</b> (Union européenne)</p> <p>Ne recyclez pas le produit avec les ordures ménagères ! Les produits qui présentent ce symbole sont à recycler suivant la directive (WEEE) relative aux déchets d'équipements électriques et électroniques, via des points de collecte pour appareils électriques usagés ! Les piles et accus usagés qui ne sont pas incorporés dans l'appareil usagé, ainsi que les lampes qui peuvent être retirées de l'appareil usagé sans être détruites, doivent être retirés de l'appareil usagé sans être détruits avant d'être remis au Recyparc. Conformément à leurs obligations légales respectives, les distributeurs sont tenus de reprendre les appareils usagés d'un utilisateur final.</p> <div data-bbox="1256 597 1640 725"> <p><b>FR</b><br/>Cet appareil se recycle</p> <p>À DÉPOSER EN MAGASIN OU À DÉPOSER EN DÉCHÈTERIE</p> <p>Points de collecte sur <a href="http://www.quefairedemesdechets.fr">www.quefairedemesdechets.fr</a><br/>Privilégiez la réparation ou le don de votre appareil !</p> </div> <div data-bbox="1668 597 2052 725"> <p><b>FR</b><br/>Cette batterie se recycle</p> <p>À DÉPOSER EN MAGASIN OU À DÉPOSER EN DÉCHÈTERIE</p> <p>Points de collecte sur <a href="http://www.quefairedemesdechets.fr">www.quefairedemesdechets.fr</a></p> </div> |

## Installation PC Blind cover

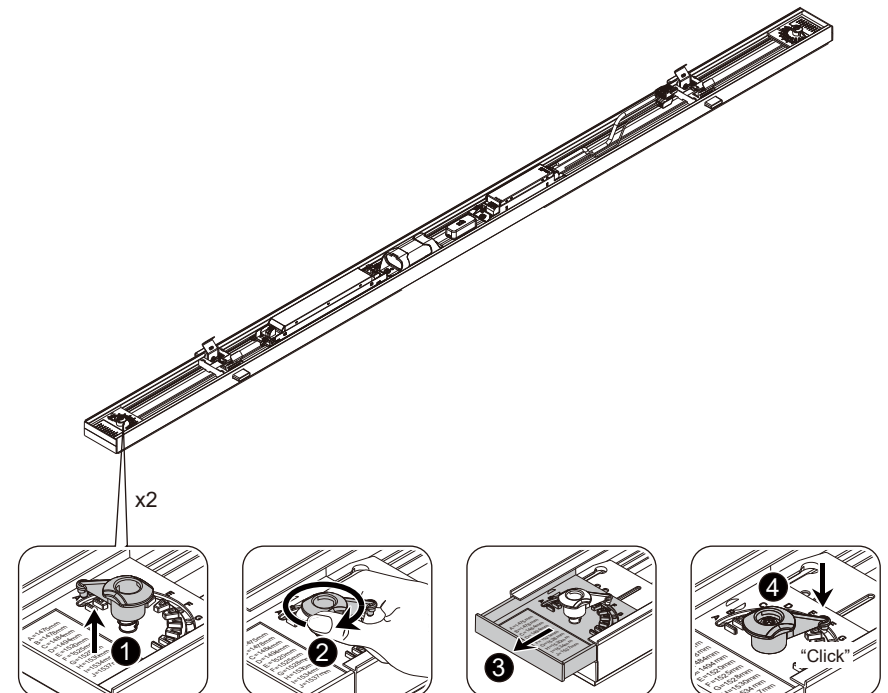
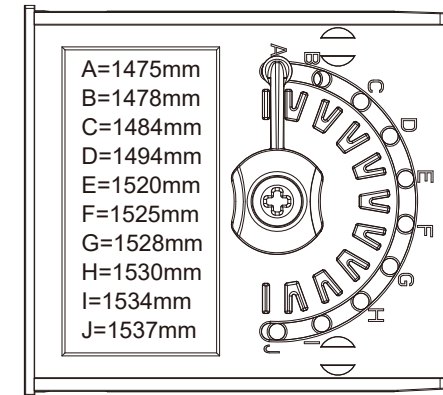
### 2 Mounting Blind Cover



## Installation Steps

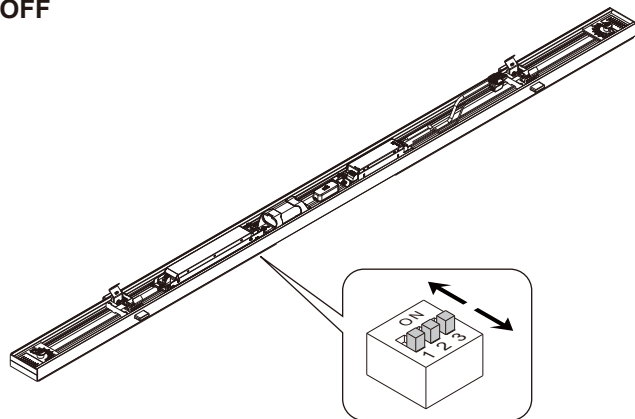
### 4 Adjust to desired length ( See table 1 )

#### 1475 to 1537mm



## Installation Steps

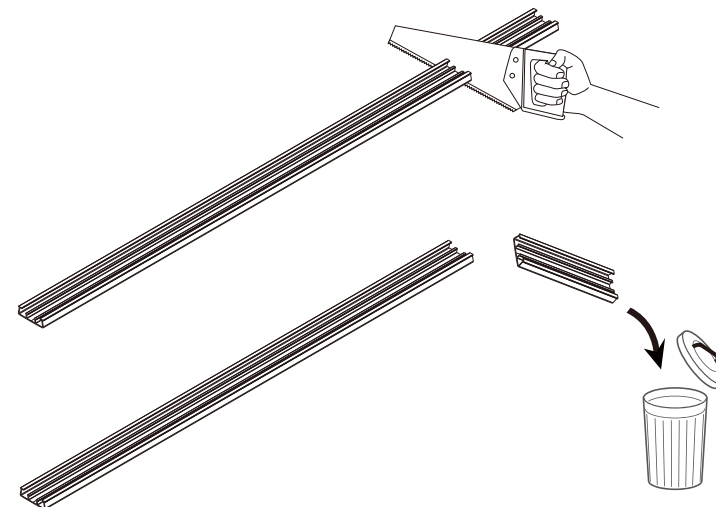
### 5-a Wattage setting ON/OFF



| 1.5m<br>On Off | Output<br>current<br>[mA] | Switch position |     |     | Rated<br>Power<br>[W] | 1011319, 1011320, 1011321, 1011653 |              |                        |              |                        |              |
|----------------|---------------------------|-----------------|-----|-----|-----------------------|------------------------------------|--------------|------------------------|--------------|------------------------|--------------|
|                |                           |                 |     |     |                       | CRI>80                             |              |                        |              |                        |              |
|                |                           | 1               | 2   | 3   |                       | 3500K                              |              | 4000K                  |              | 5000K                  |              |
|                |                           |                 |     |     |                       | Light effect<br>[lm/W]             | Flux<br>[lm] | Light effect<br>[lm/W] | Flux<br>[lm] | Light effect<br>[lm/W] | Flux<br>[lm] |
| ON OFF<br>Mode | 550                       | ON              | ON  | ON  | 75                    | 177.3                              | 13300        | 192.0                  | 14400        | 182.7                  | 13700        |
|                | 500                       | OFF             | ON  | ON  | 68                    | 179.4                              | 12200        | 194.1                  | 13200        | 185.3                  | 12600        |
|                | 450                       | ON              | OFF | ON  | 61                    | 182.0                              | 11100        | 195.1                  | 11900        | 186.9                  | 11400        |
|                | 400                       | OFF             | OFF | ON  | 54                    | 185.2                              | 10000        | 196.3                  | 10600        | 188.9                  | 10200        |
|                | 350                       | ON              | ON  | OFF | 46                    | 187.0                              | 8600         | 195.7                  | 9000         | 191.3                  | 8800         |
|                | 300                       | OFF             | ON  | OFF | 40                    | 187.5                              | 7500         | 197.5                  | 7900         | 192.5                  | 7700         |
|                | 250                       | ON              | OFF | OFF | 33                    | 187.9                              | 6200         | 197.0                  | 6500         | 193.9                  | 6400         |
|                | 200                       | OFF             | OFF | OFF | 26                    | 188.5                              | 4900         | 192.3                  | 5000         | 192.3                  | 5000         |
| Emergency Mode | 7                         | -               | -   | -   | 2.5                   | 180.0                              | 450          | 180.0                  | 450          | 184.0                  | 460          |

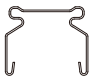
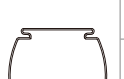
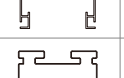
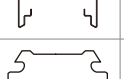
## Installation PC Blind cover

### 1 Cut to desired length (Option)



## Compatible list

**Table 1 (1475 to 1537mm)**

| Finished size with adjusting the End caps | Trunking Brand | Trunk                                                                               | Connectors-3pin | Connectors-5pin |
|-------------------------------------------|----------------|-------------------------------------------------------------------------------------|-----------------|-----------------|
| H=1530mm                                  | TRX TRZ        |    | 1011656         | /               |
| J=1537mm                                  | 090554/098287  |    | 1011656         | /               |
| A=1475mm                                  | ZX1 T5         |    | 1011658         | /               |
| F=1525mm                                  | ZX1 T8         |                                                                                     | 1011658         | /               |
| A=1475mm                                  | ZX2 T5         |    | 1011659         | 1011665         |
| F=1525mm                                  | ZX2 T8         |                                                                                     | 1011659         | 1011665         |
| C=1484mm                                  | PRESTIGE T5    |    | 1011659         | 1011665         |
| I=1534mm                                  | PRESTIGE T8    |                                                                                     | 1011659         | 1011665         |
| A=1475mm                                  | E-line 07650xx |    | 1011660         | 1011666         |
| H=1530mm                                  | E-line 07690xx |                                                                                     | 1011660         | 1011666         |
| H=1530mm                                  | SDT/ST         |    | 1011660         | 1011666         |
| H=1530mm                                  | TR50W          |    | 1011660         | 1011666         |
| H=1530mm                                  | SV70 SV75      |                                                                                     | 1011660         | 1011666         |
| H=1530mm                                  | Planos         |                                                                                     | 1011660         | 1011666         |
| G =1528mm                                 | PNR 2003-nu    |   | 1011660         | 1011666         |
| G =1528mm                                 | PNR 1995-2003  |                                                                                     | 1011661         | /               |
| D=1494mm                                  | E-STN T5       |  | 1011661         | /               |
| J=1537mm                                  | E-STN T8       |                                                                                     | 1011661         | /               |
| B=1478mm                                  | TTX400 T5      |  | /               | /               |
| G=1528mm                                  | TTX400 T8      |                                                                                     | /               | /               |
| B=1478mm                                  | MAXOS T5       |  | /               | /               |
| G=1528mm                                  | MAXOS T8       |                                                                                     | /               | /               |

## Installation Steps

### 5-b Wattage setting

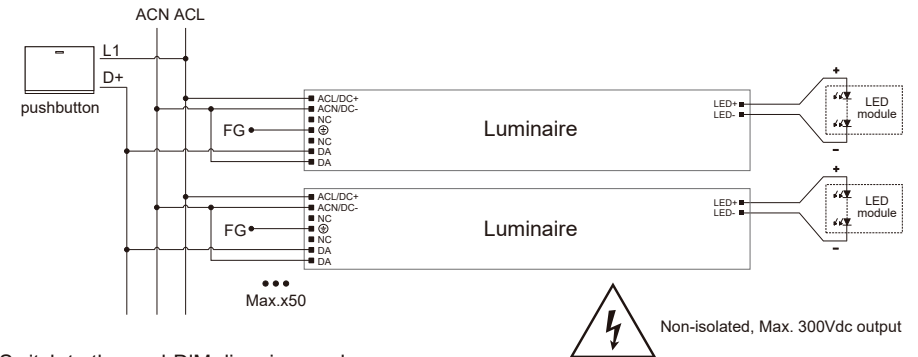
#### DALI



| 1.5m<br>DALI   | Output<br>current<br>[mA] | Switch position        |              |                        |              | Rated<br>Power<br>[W] | 1011322, 1011323, 1011324, 1011654 |              |       |       |       |       |
|----------------|---------------------------|------------------------|--------------|------------------------|--------------|-----------------------|------------------------------------|--------------|-------|-------|-------|-------|
|                |                           |                        |              |                        |              |                       | CRI>>80                            |              |       |       |       |       |
|                |                           | 3500K                  |              | 4000K                  |              |                       | 5000K                              |              |       |       |       |       |
|                |                           | Light effect<br>[lm/W] | Flux<br>[lm] | Light effect<br>[lm/W] | Flux<br>[lm] |                       | Light effect<br>[lm/W]             | Flux<br>[lm] |       |       |       |       |
| DALI<br>Mode   | 550                       | OFF                    | OFF          | OFF                    | OFF          | 75                    | 168.0                              | 12600        | 188.0 | 14100 | 177.3 | 13300 |
|                | 525                       | ON                     | OFF          | OFF                    | OFF          | 71                    | 169.0                              | 12000        | 188.7 | 13400 | 178.9 | 12700 |
|                | 500                       | OFF                    | ON           | OFF                    | OFF          | 68                    | 170.6                              | 11600        | 188.2 | 12800 | 179.4 | 12200 |
|                | 475                       | ON                     | ON           | OFF                    | OFF          | 64                    | 171.9                              | 11000        | 189.1 | 12100 | 181.3 | 11600 |
|                | 450                       | OFF                    | OFF          | ON                     | OFF          | 61                    | 173.8                              | 10600        | 190.2 | 11600 | 182.0 | 11100 |
|                | 425                       | ON                     | OFF          | ON                     | OFF          | 57                    | 173.7                              | 9900         | 191.2 | 10900 | 182.5 | 10400 |
|                | 400                       | OFF                    | ON           | ON                     | OFF          | 54                    | 174.1                              | 9400         | 190.7 | 10300 | 183.3 | 9900  |
|                | 375                       | ON                     | ON           | ON                     | OFF          | 50                    | 174.0                              | 8700         | 192.0 | 9600  | 184.0 | 9200  |
|                | 350                       | OFF                    | OFF          | OFF                    | ON           | 47                    | 176.6                              | 8300         | 193.6 | 9100  | 185.1 | 8700  |
|                | 325                       | ON                     | OFF          | OFF                    | ON           | 44                    | 177.3                              | 7800         | 193.2 | 8500  | 186.4 | 8200  |
|                | 300                       | OFF                    | ON           | OFF                    | ON           | 40                    | 177.5                              | 7100         | 192.5 | 7700  | 187.5 | 7500  |
|                | 275                       | ON                     | ON           | OFF                    | ON           | 37                    | 178.4                              | 6600         | 194.6 | 7200  | 189.2 | 7000  |
|                | 250                       | OFF                    | OFF          | ON                     | ON           | 33                    | 178.8                              | 5900         | 193.9 | 6400  | 187.9 | 6200  |
|                | 200                       | ON                     | OFF          | ON                     | ON           | 27                    | 181.5                              | 4900         | 192.6 | 5200  | 188.9 | 5100  |
| Emergency Mode | 7                         | -                      | -            | -                      | -            | 2.5                   | 180.0                              | 450          | 180.0 | 450   | 184.0 | 460   |

### pushDIM dimming application

#### Wiring diagram



#### Switch to the pushDIM dimming mode

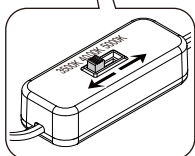
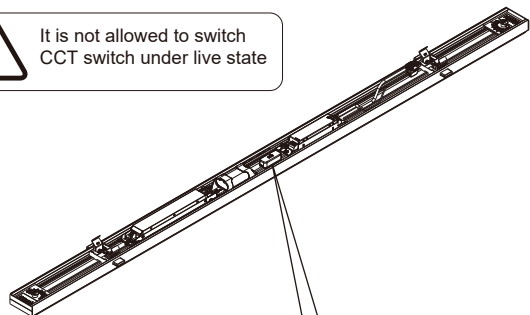
- According to the wiring diagram of the pushDIM dimming application, short press the pushbutton 5 times quickly within 3s, the driver will automatically switch to the pushDIM dimming mode.
- After switch to the pushDIM control mode, CorridorDIM mode will be automatically closed.

Installation Steps

6 CCT setting



It is not allowed to switch CCT switch under live state



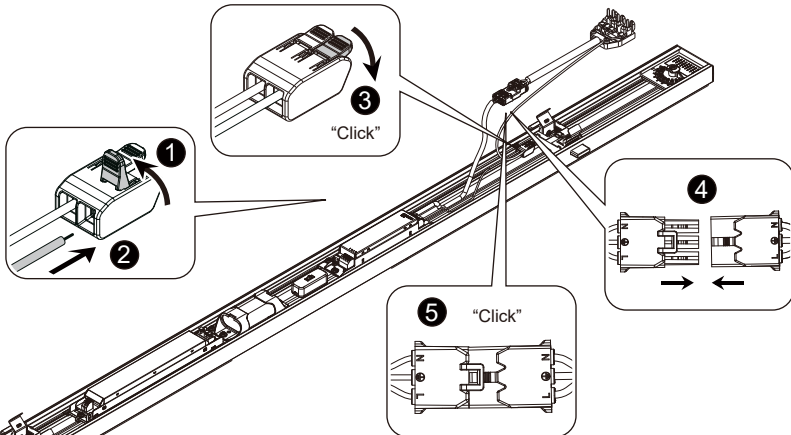
3500K 4000K 5000K



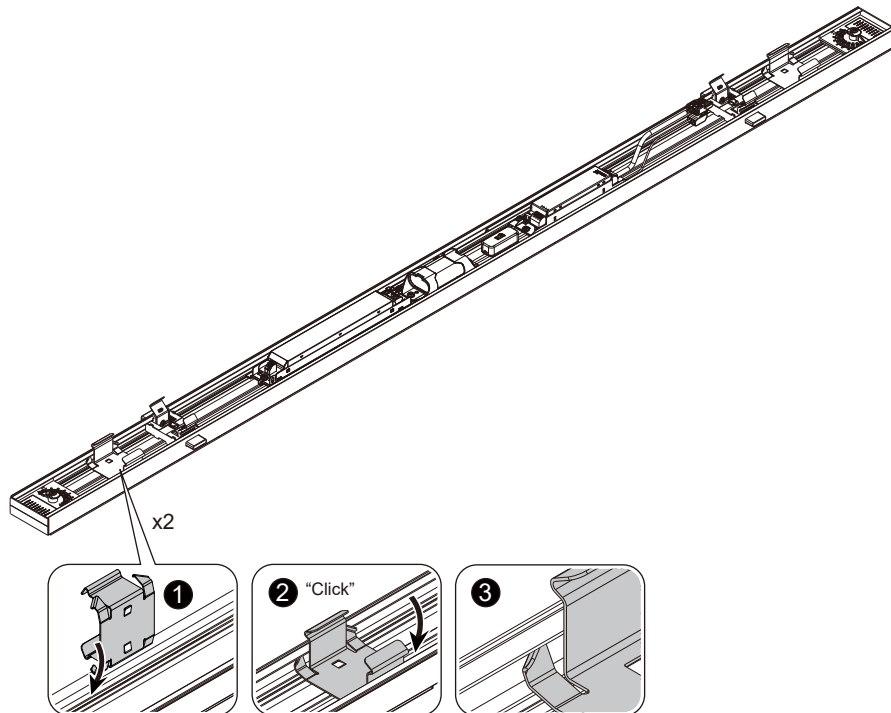
CCT Setting (B)  
External DIP switch



7 Connecting Plug



Install extra spring



Extra spring compatible list

| Picture | ITEM NO. | Name     | Trunk |
|---------|----------|----------|-------|
|         | 1011087  | Q-STN T8 |       |
|         |          | Q-STN T5 |       |
|         |          | VLG T5   |       |
|         |          | VLG T8   |       |
| Picture |          | Name     | Trunk |
|         | 1011086  | DUS      |       |
|         |          | 5LJ908.. |       |

## Installation Steps

### Rest Mode

• Emergency operation is automatically started when the mains supply is switched off. Rest mode can be activated during emergency mode by doubling press the manual test button. The discharging of the battery will be minimized by switching off the LED output. The rest mode will be exited automatically after reconnect the supply.

### LED Indicator

System status is locally indicated by a bi-coloured LED indicator.

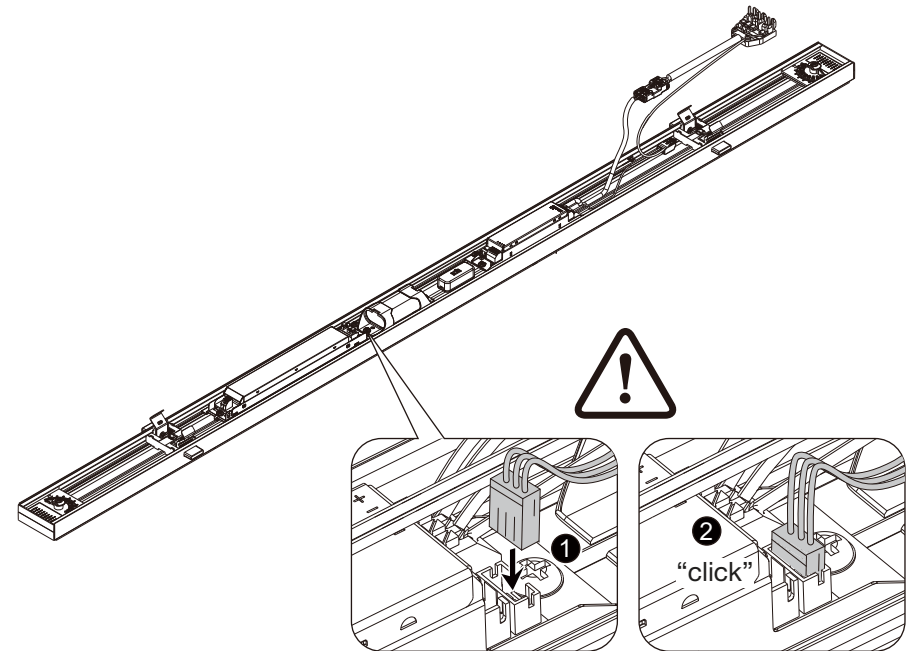
|  | Color |  | LED indication                                      | Status                                              |
|--|-------|--|-----------------------------------------------------|-----------------------------------------------------|
|  | Green |  | Permanently On                                      | System Healthy                                      |
|  | Green |  | Permanently OFF                                     | Emergency Mode: Mains failure or mains disconnected |
|  | Green |  | Slow Flash<br>(0.5s on-0.5s off)                    | Duration Test Pending                               |
|  | Green |  | Medium Flash<br>(0.25s on-0.25s off)                | Duration Test Running                               |
|  | Green |  | Fast Flash<br>(0.125s on-0.125s off)                | Functional Test Running                             |
|  | Red   |  | Permanently On                                      | Battery Charging Fault                              |
|  | Red   |  | Medium Flash<br>(0.25s on-0.25s off)                | Battery Duration Fault                              |
|  | Red   |  | Fast Flash<br>(0.125s on-0.125s off)                | Lamp or Luminaire Fault                             |
|  | Red   |  | OFF 1s then Stay On 5s                              | 26 Weeks Duration Test Interval                     |
|  | Red   |  | OFF 1s then Fast Flash 5s<br>(0.125s on-0.125s off) | 52 Weeks Duration Test Interval                     |

### Functionality of the test button (manually mode)

| Button appearance | Operation                                  | Function                                   |
|-------------------|--------------------------------------------|--------------------------------------------|
|                   | <br>Press 1-2s                             | Manual functional test                     |
|                   | <br>Press 5-10s                            | Manual duration test                       |
|                   | <br>Press <1s                              | Confirm the current duration test interval |
|                   | <br>Double press <1s                       | Set the duration test interval             |
|                   | <br>Double press <1s during emergency mode | Rest mode activated                        |

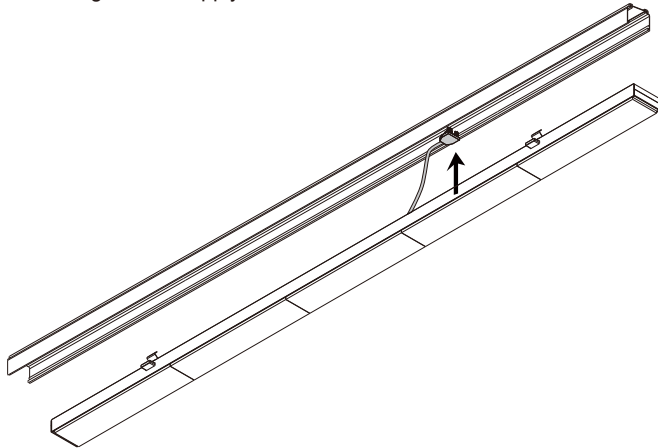
## Installation Steps

- 8 Connect the emergency battery pack to the emergency drive power supply, and then connect the input and output power supplies.

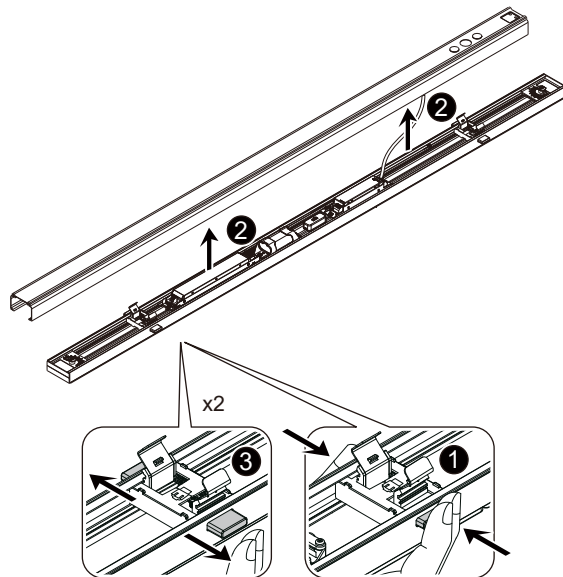


## Installation Steps

### 9 Connecting Power Supply



### 10 Mounting the LED module



## Installation Steps

### Automatic / Manual Testing

#### 1. Commissioning

- Commissioning takes place by connecting the battery and then the un-switched supply. The battery must be connected first.
- The green LED will immediately flash 1 x second to indicate that there is a pending duration test.
- A functional test will occur at 5 minutes after commissioning to allow 5 minutes for battery charging to ensure there is some charge in the battery.
- A duration test will occur at a random point between 24 hours and 48 hours after commissioning to allow 24 hours for battery charging.
- Any faults found in the functional and duration testing will be reported via the LED indicator, as detailed below.
- Disconnecting the un-switched supply and then the battery resets the emergency module, clears all fault reports and forces a re-commission when the battery and then the un-switched supply are reconnected.
- **If the un-switched supply of an emergency lighting circuit is switched OFF/ON twice within 5 seconds, the schedule for all the emergency units in the emergency lighting circuit is reset (to the current time).**

#### 2. Duration Testing (3 hours)

- An automatic duration test will occur at a random point between 24 hours and 48 hours after commissioning to allow for battery charging.
- An automatic duration test will occur semi-annually or annually at a random point in the 26nd or 52nd week of each year.
- A duration test will occur once the battery is fully charged after pressing the manual test button for 5-10 seconds.
- A duration test may be delayed by other events, such as a power cut that interrupts the test or a lack of charging time, in which case the green LED will flash 1 x second to indicate there is a pending duration test that the emergency module has rescheduled.
- Any faults found in the duration testing will be reported via the LED indicator, as detailed below.
- A functional test will not override any faults reported by a duration test. A full duration test or re-commissioning is required to clear any faults.

#### 3. Functional Testing (<2 minutes)

- A 5 seconds automatic functional test will occur at 5 minutes after commissioning.
- A 108 seconds automatic functional test will occur every 7 days.
- A manual 108 seconds functional test will start immediately after pressing the manual test button for 1-2 seconds.
- Any faults found in the functional testing will be reported via the LED indicator, as detailed below.
- A functional test will not override any faults reported by a duration test. A full duration test or re-commissioning is required to clear any faults.

#### 4. Manual Testing

- Manual functional test: Press the manual test button for 1-2 seconds. A manual functional test lasting <2 minutes will start immediately.
- Manual duration test: Press the manual test button for 5-10 seconds. A manual duration test will occur once the battery is fully charged after pressing the manual test button for 5-10 seconds.

#### 5. Pending Duration Testing

- A duration test may be delayed by other events, such as a power cut that interrupts the test or charging period, in which case the green LED will flash to indicate there is a pending duration test that the emergency module has rescheduled until charging is complete.

#### 6. Lamp or Luminaire Fault

- Turn off the supply and replace or correct the fault with the lamp or luminaire, and then reconnect the supply.
- Press the manual test button for 5-10 seconds. A manual duration test will occur once the battery is fully charged.
- If the battery and power have been disconnected the EM will re-commission and automatically test the replacement.
- A successful functional test will not override any faults reported by a duration test. A full duration test or re-commissioning is required to clear fault reports.

#### 7. Battery Fault

- Turn off the un-switched supply to the EM and replace the battery, and then reconnect the supply.
- If the fault was because the battery was not connected, the un-switched supply must still be turned off when connecting the battery to clear the battery fault.
- The EM will re-commission and so automatically test the replacement at a random point between 24 and 48 hours after commissioning to allow for battery charging.