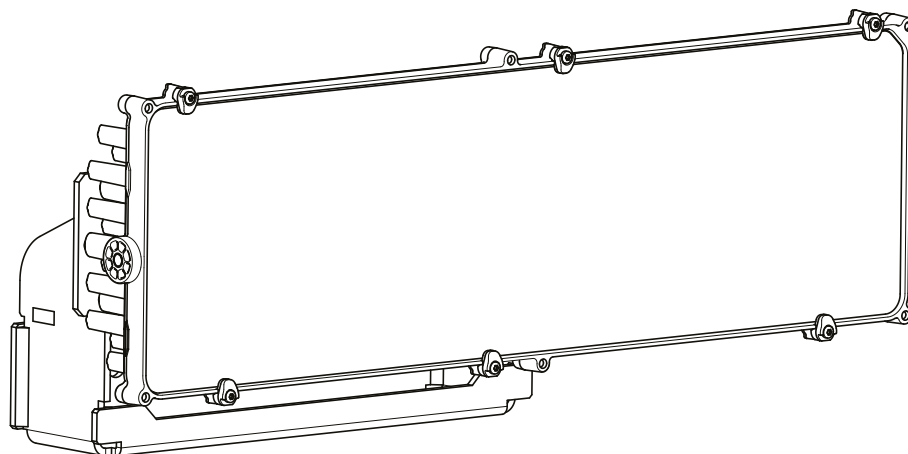


**UK** Installation instructions**FI** Asennusohje**LV** Instalācijas instrukcija**DE** Montageanleitung**FR** Notice de montage**NO** Monteringsanvisning**CZ** Montážní návod**HU** Szerelési útmutató**PL** Instrukcja montażu**DK** Monteringsvejledning**IT** Istruzioni di montaggio**SE** Installationsanvisning**EE** Paigaldusjuhend**LT** Montavimo Instrukcijos**RU** ИНСТРУКЦИЯ ПО МОНТАЖУTYPE : ALG5 - 144L  
- 168L

IP66 / IK08

=9.3 kg



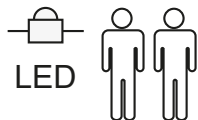
The luminaire with clear optic should be positioned so that prolonged staring into the luminaire at a distance <2m is not expected

**Extreme caution** : Do not connect any LED CONNECTION wire (high voltage) inside NTC connector !! It could result in a critical failure and damage irreversibly the ALTIS luminaire



Caution, risk of electric shock  
Danger, risque de chocs électriques

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.



CLASS I



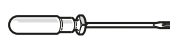
19/30/36



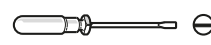
4/8/10



T20/T26

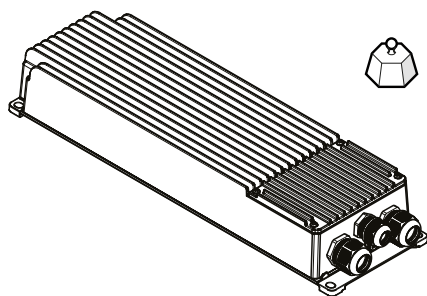


SZ3

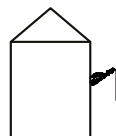


1

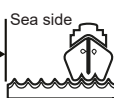
GEAR BOX : ALG5 GB LE



=5.6 kg

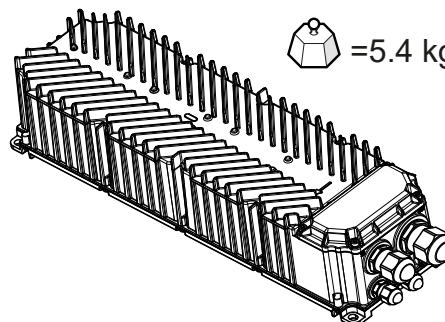


&gt;5 km



$T_{a_{MIN}} = -40^{\circ}\text{C}$  /  $T_{a_{MAX}} = +50^{\circ}\text{C}$   
(up to  $50^{\circ}\text{C}$  with driving current derating)  
IP66 / IK08

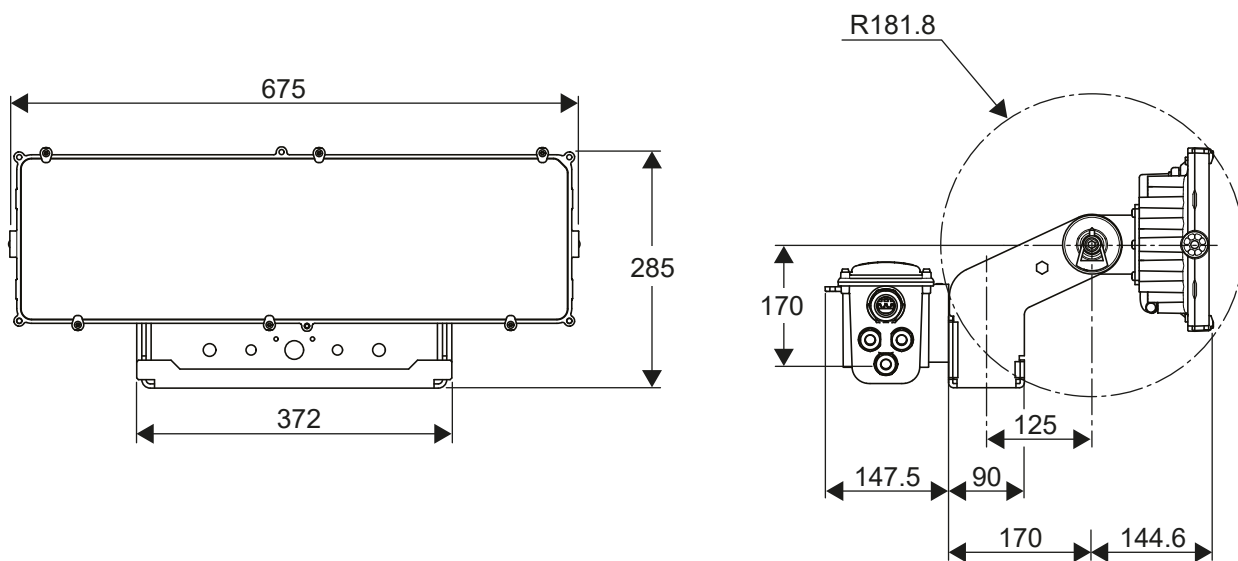
ALG5 GB 2CH / ALG5 GB 3CH



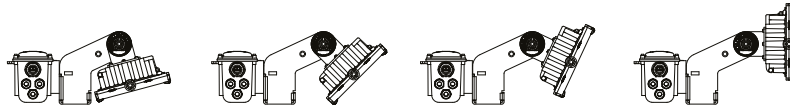
=5.4 kg / 6.1 kg

$T_{a_{MIN}} = -40^{\circ}\text{C}$  /  $T_{a_{MAX}} = +55^{\circ}\text{C}$   
(up to  $55^{\circ}\text{C}$  with driving current derating)  
IP66 / IK08

# ALG5 - 144L - 168L

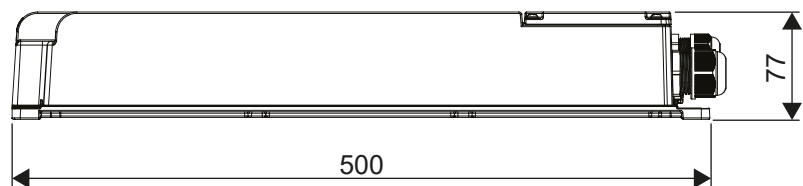
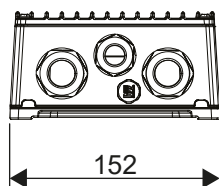


|      |         | $S_C \times 15^\circ$ * | $S_C \times 45^\circ$ * | $S_C \times 65^\circ$ * | $S_C \times 90^\circ$ * |
|------|---------|-------------------------|-------------------------|-------------------------|-------------------------|
| ALG5 | 1 BRICK | 0.072                   | 0.112                   | 0.16                    | 0.17                    |

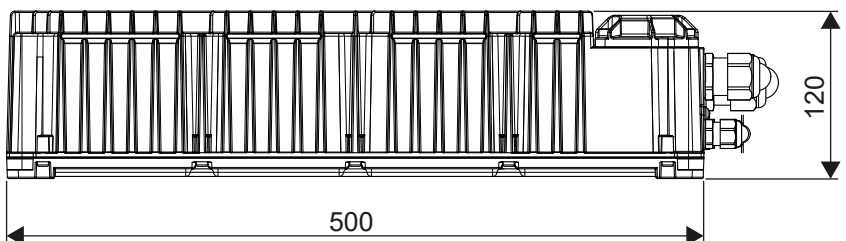
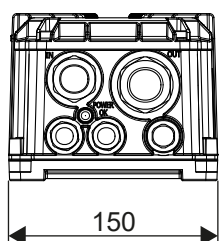


\* These data refer to the worst case at indicated angle

## ALG5 GB LE

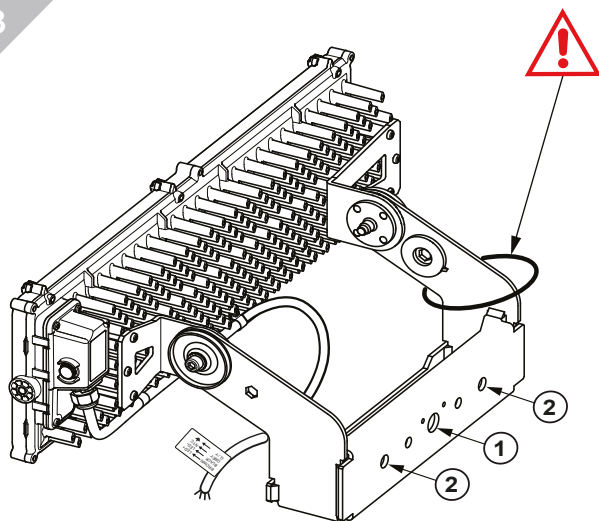


## ALG5 GB 2 CH /AL G5 GB 3 CH

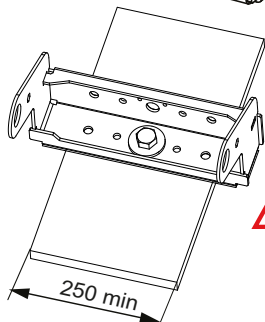
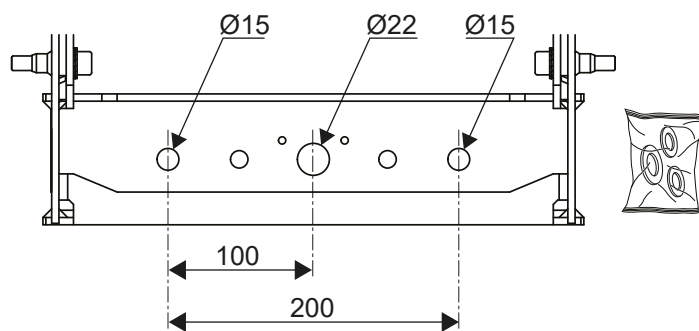




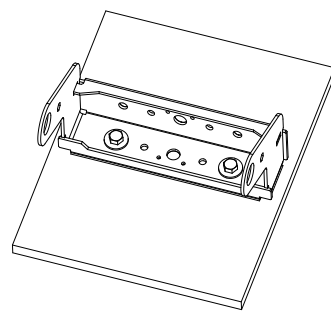
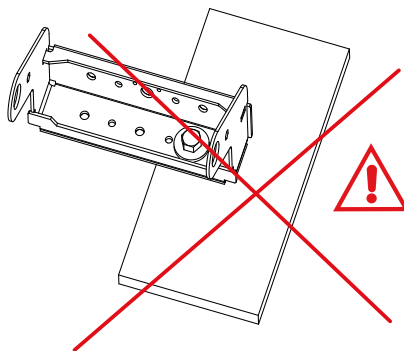
3



For installation higher >3m  
Secure product with retaining cable  
attached to the frame (not included in the delivery).  
Please refer to local installation norms/regulations.

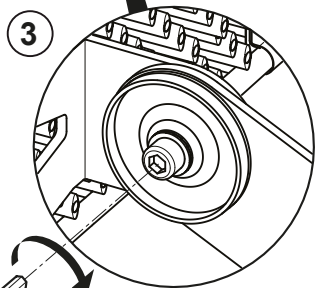
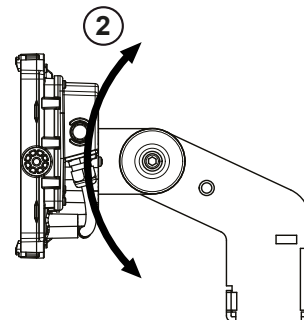
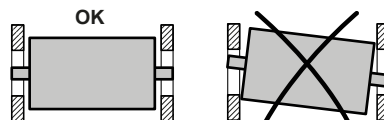
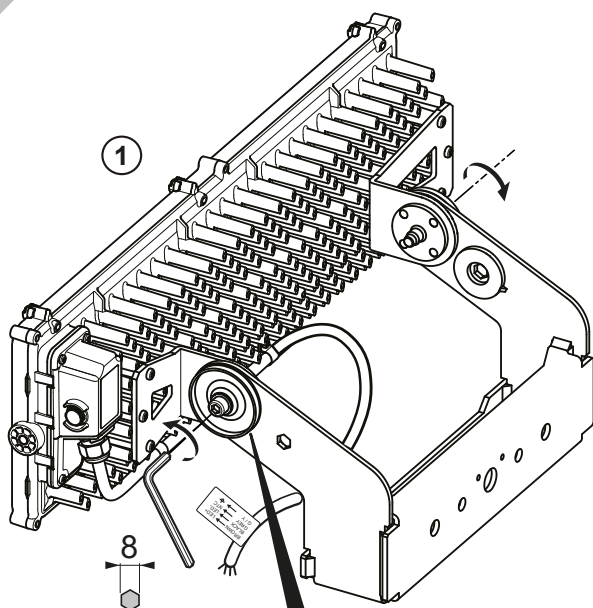


① 1xM20 with extra large washer

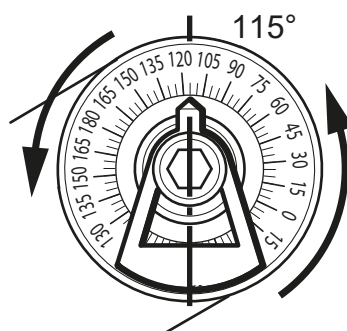


② 2xM14 with extra large washer

4



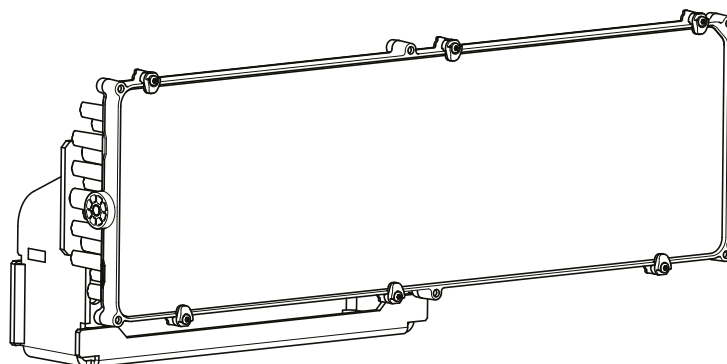
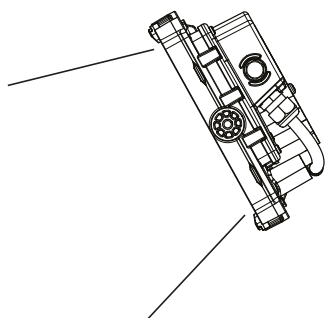
20Nm



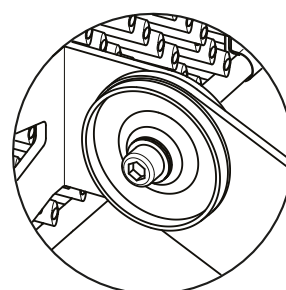
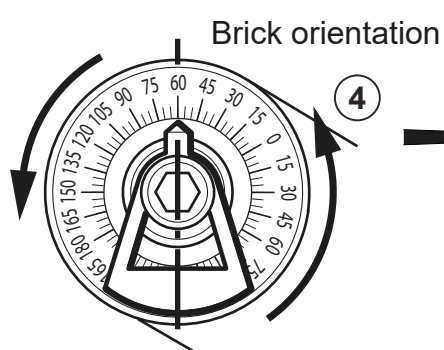
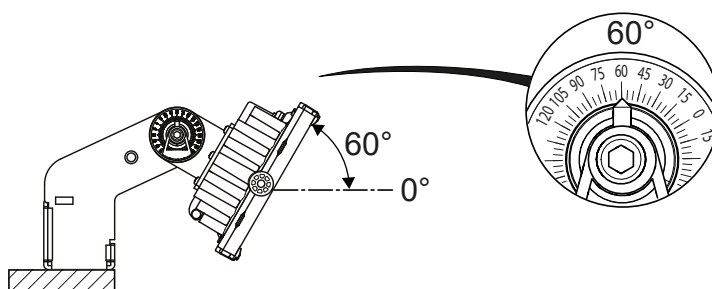
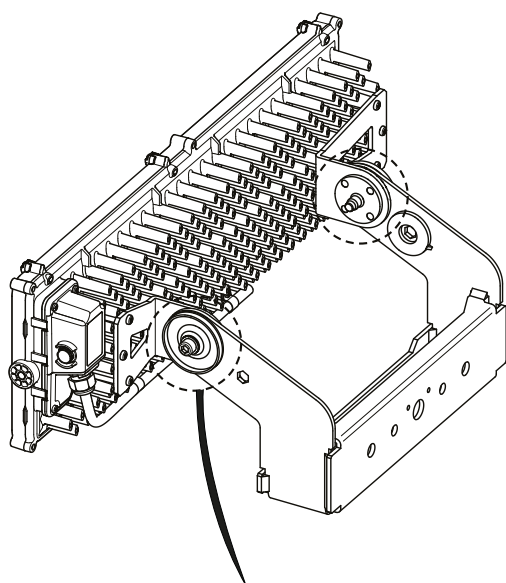
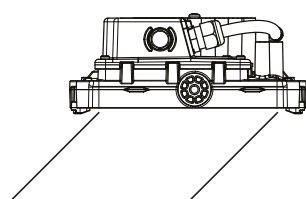
# ALG5 144L125 - 740 PST NB ANT

## ALG5 168L

Symmetrical / Elliptical beam  
(NB, MB, WB, EB)



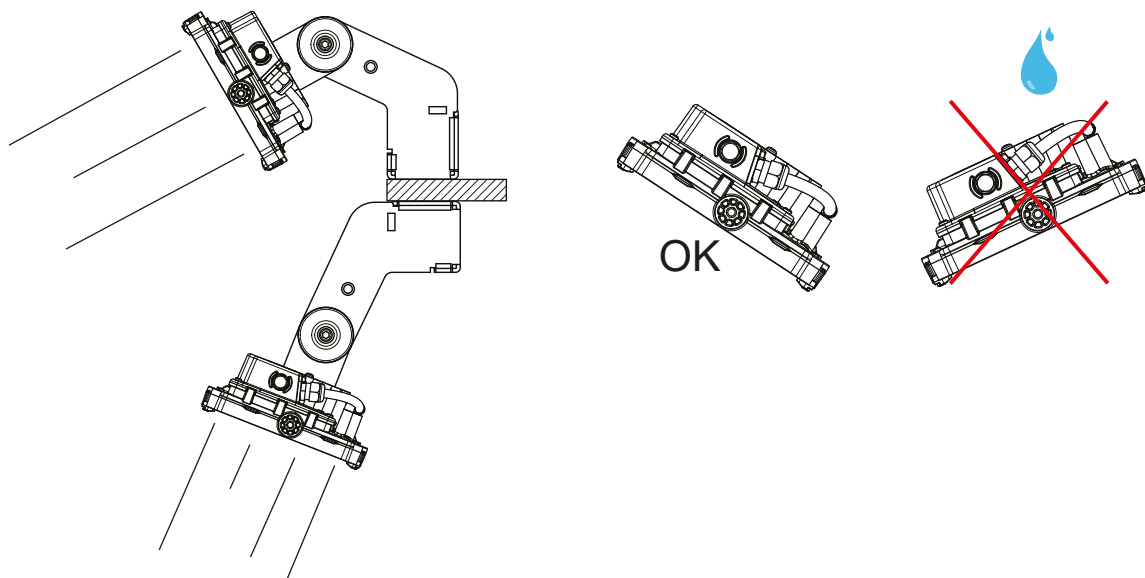
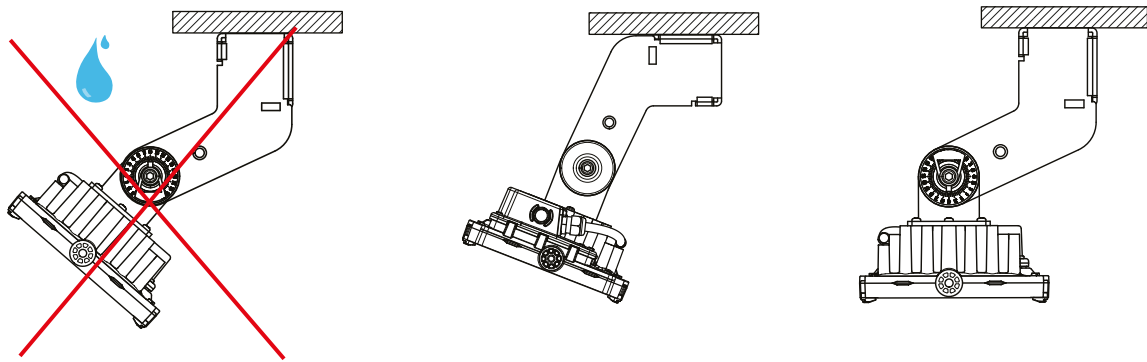
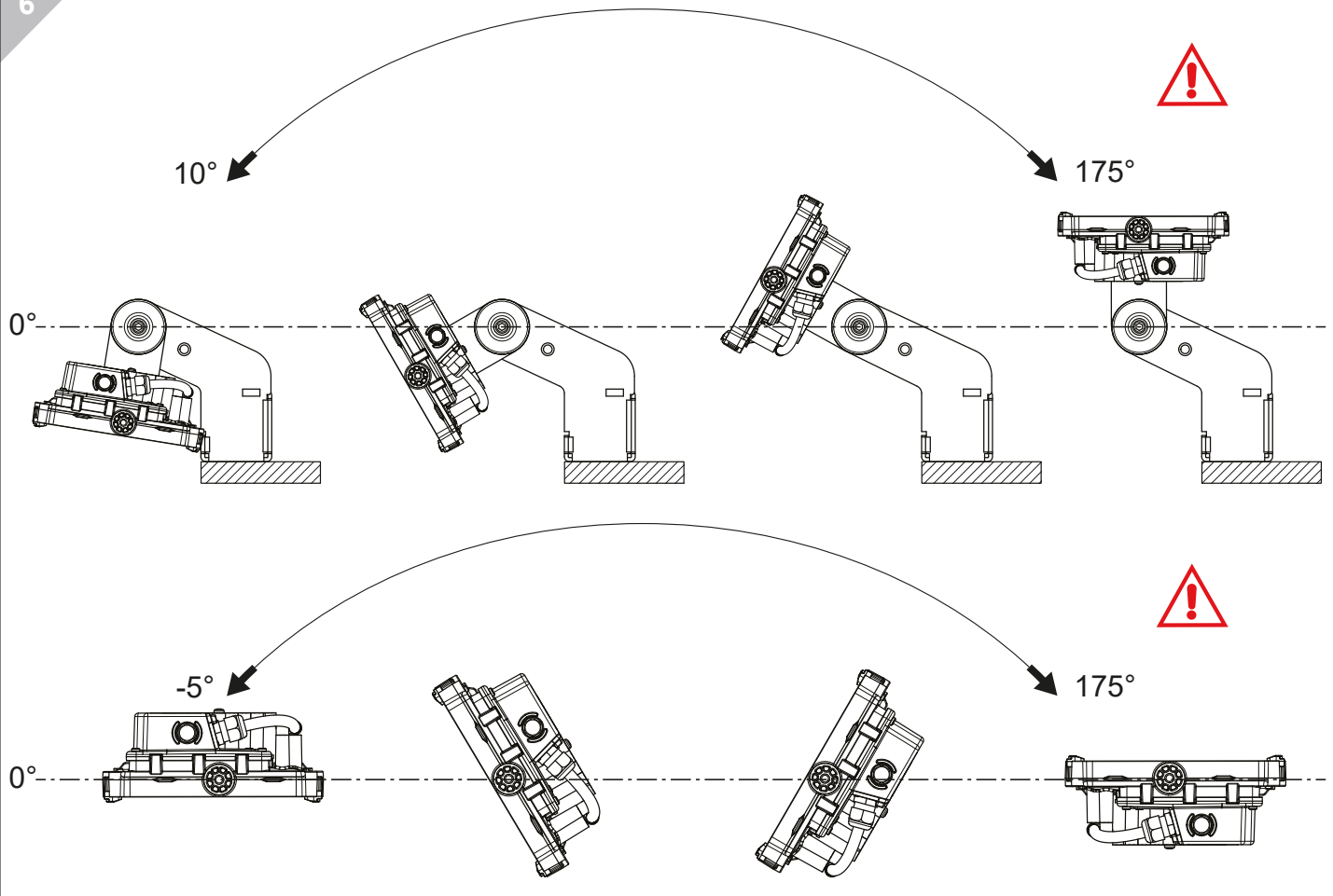
Asymmetrical beam  
(A4, A5, A6, AI5, AI6, EW2)

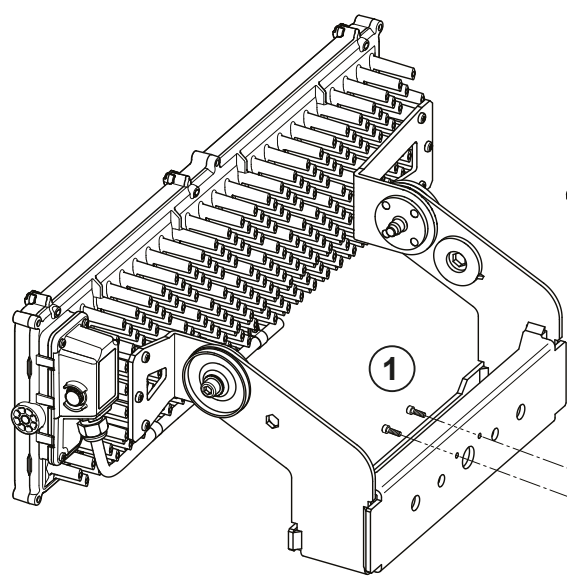
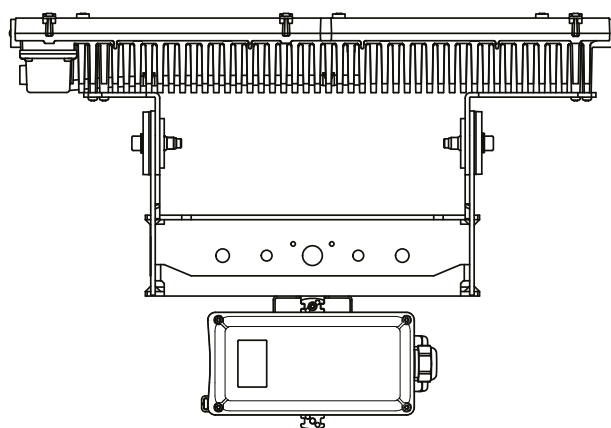
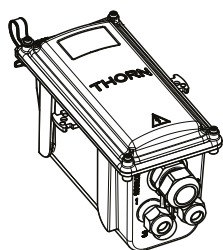


20 Nm

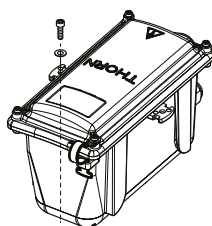
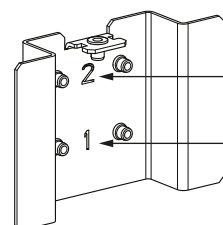
5

8





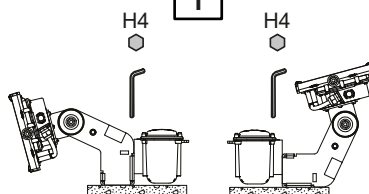
2

Position 1  
OR  
Position 2

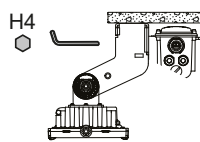
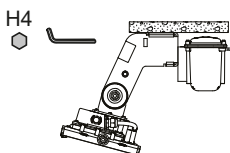
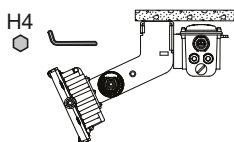
Position 2

Position 1

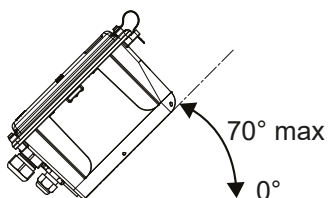
1



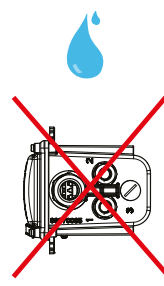
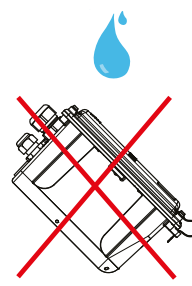
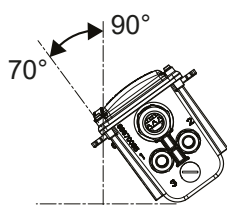
2

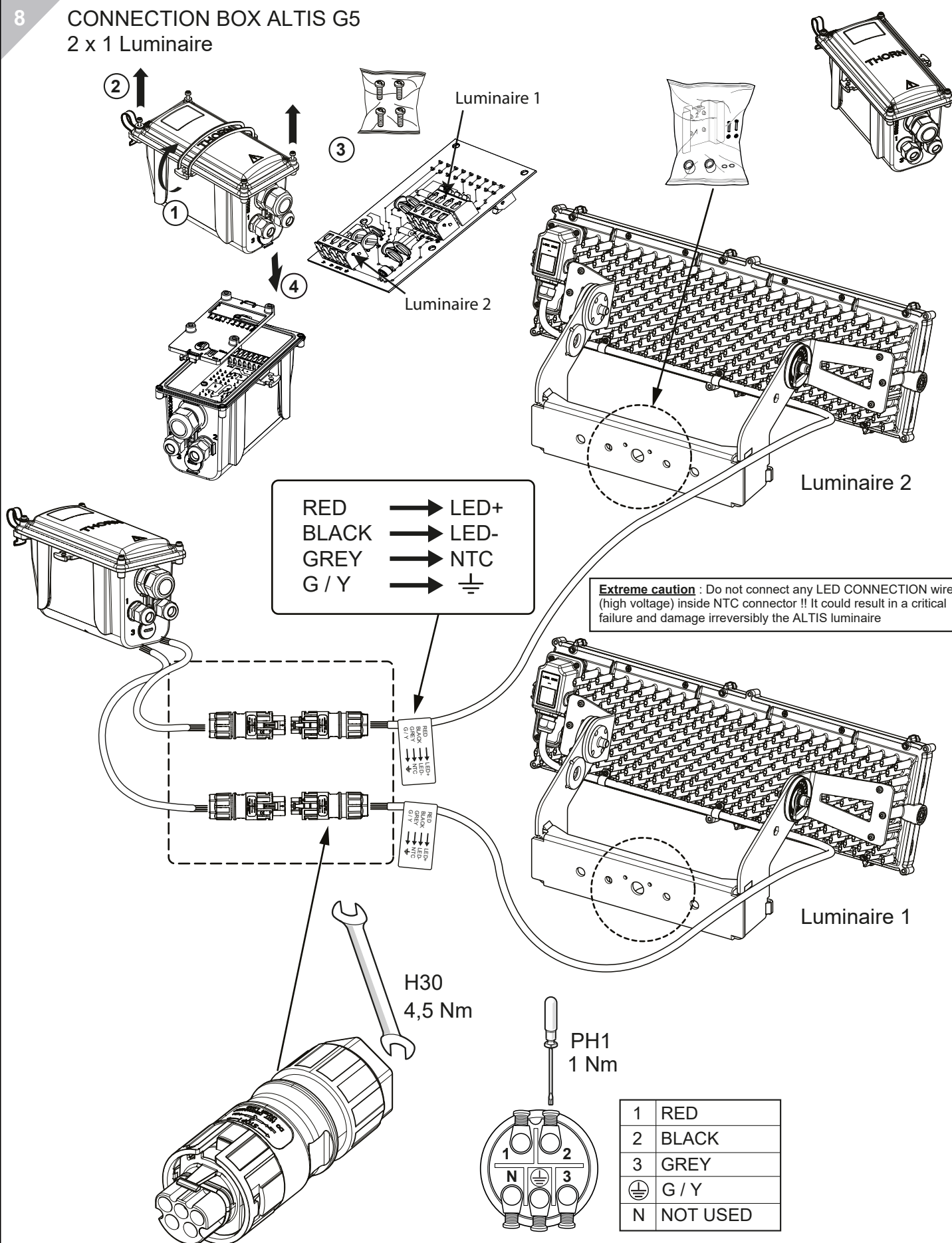


OK



OK

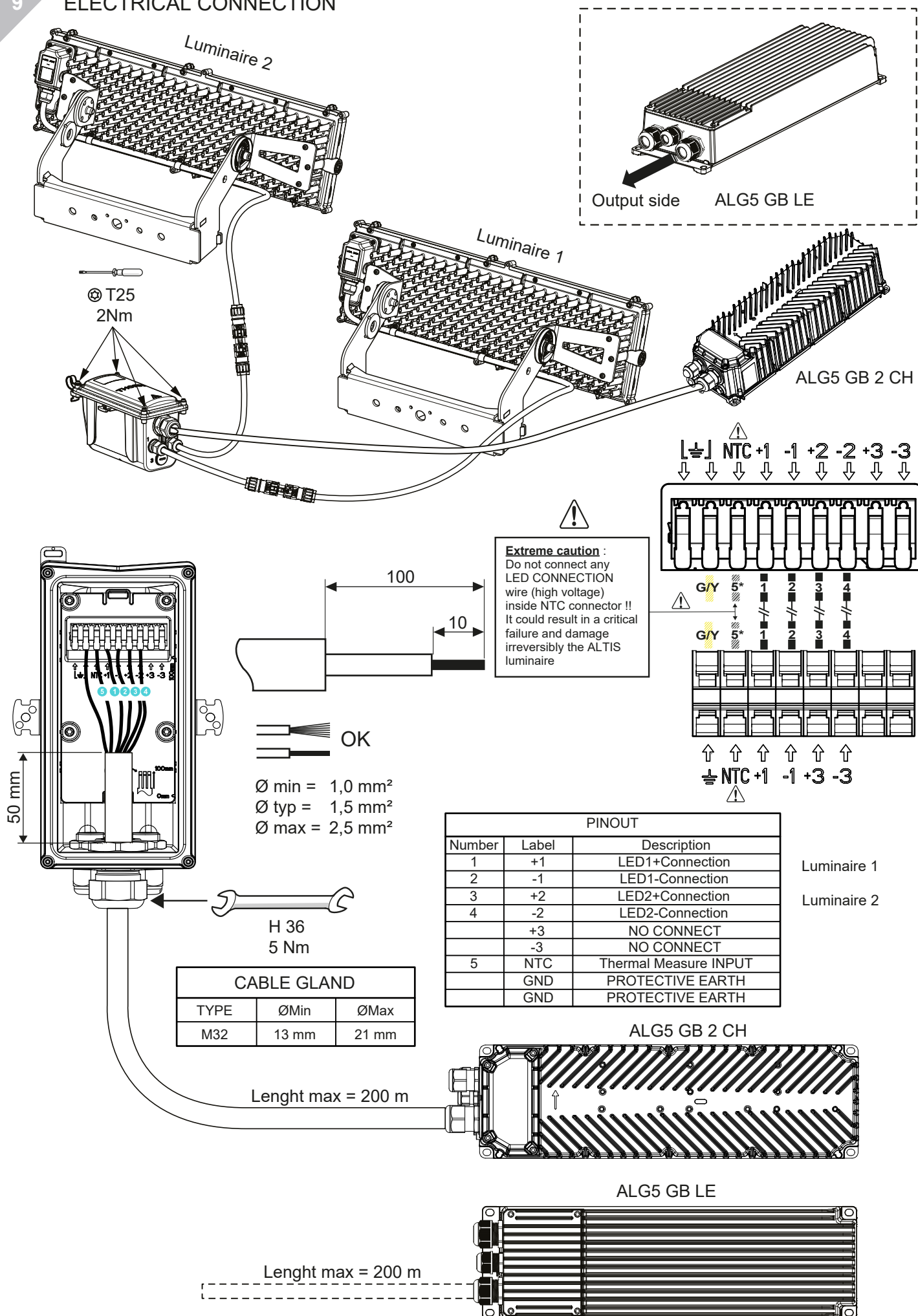


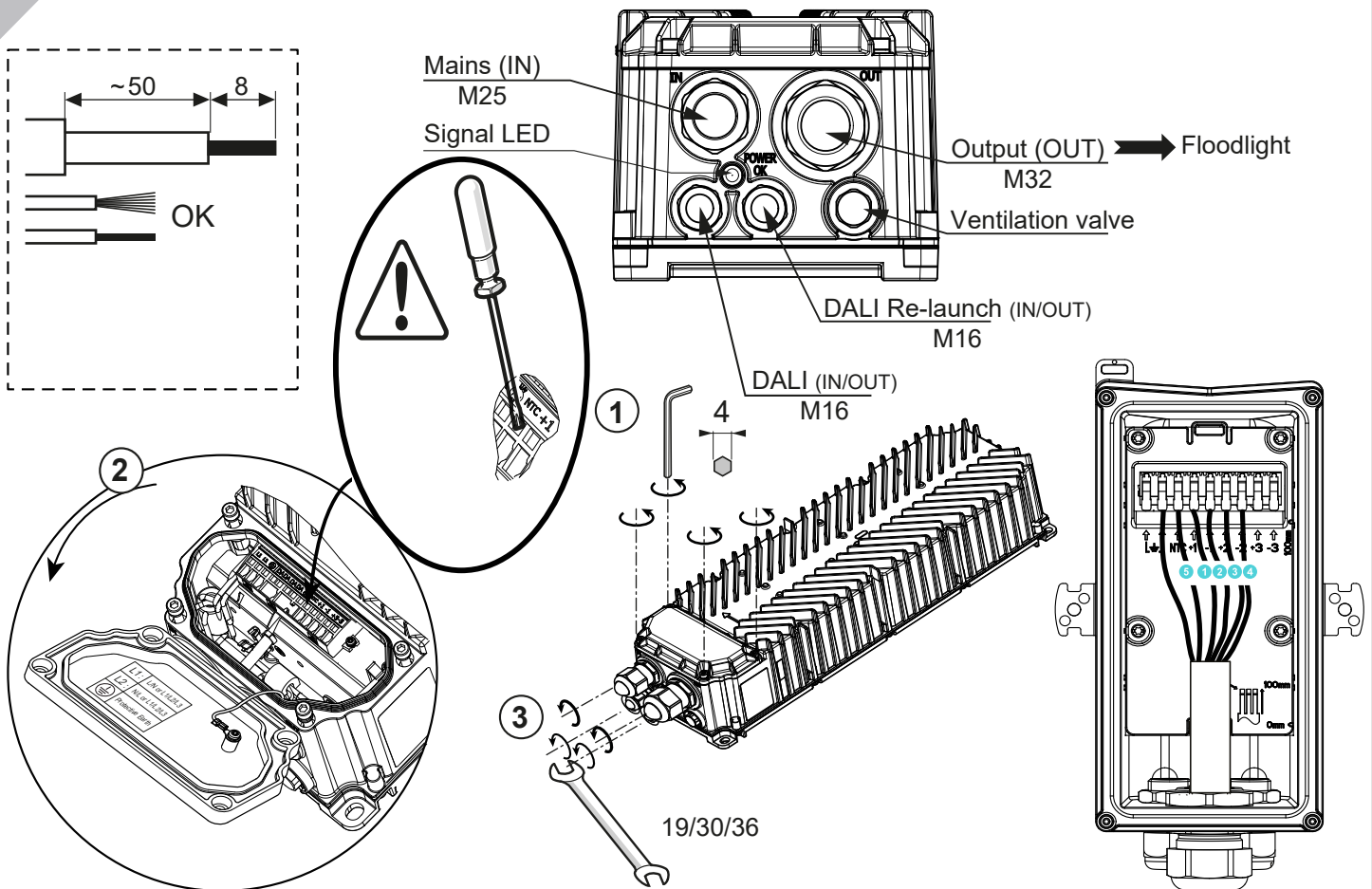


REF : PHOENIX CONTACT PRC 5 FC MS6 8-21  
PHOENIX CONTACT PRC 5 FC MS6 8-21

96679580 ALTIS G5 CON 5P M+F 600V X1



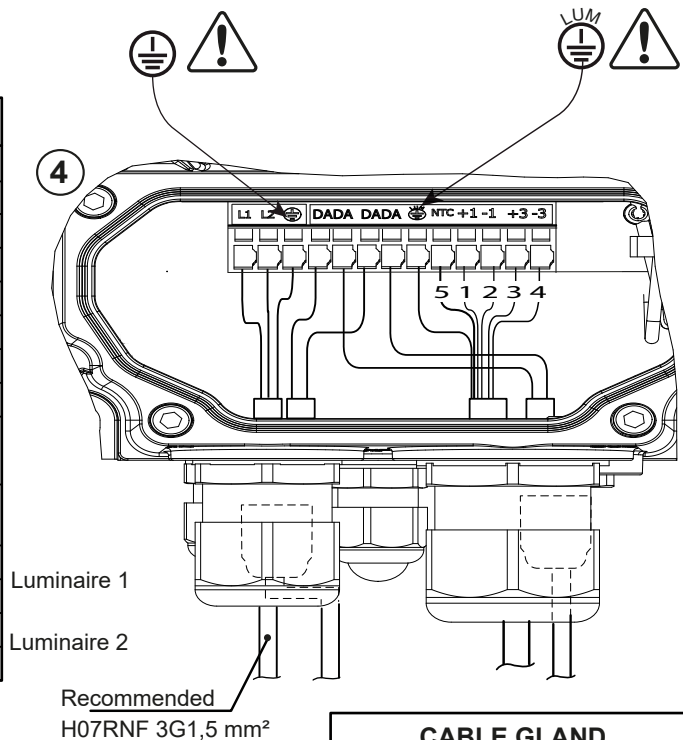




**Extreme caution** : Do not connect any LED CONNECTION wire (high voltage) inside NTC connector !! It could result in a critical failure and damage irreversibly the ALTIS luminaire

#### PINOUT

| Number | Label | Description                    |
|--------|-------|--------------------------------|
|        | L1    | AC LINE 1 INPUT                |
|        | L2    | AC LINE 2 INPUT                |
|        |       | PROTECTIVE EARTH               |
|        | DA+   | DALI INPUT                     |
|        | DA+   | DALI RE-LAUNCH                 |
|        | DA-   | DALI INPUT                     |
|        | DA-   | DALI RE-LAUNCH                 |
|        |       | PROTECTIVE EARTH FOR LUMINAIRE |
| 5      | NTC   | THERMAL MEASURE INPUT          |
| 1      | +1    | LED1+CONNECTION                |
| 2      | -1    | LED1-CONNECTION                |
| 3      | +3    | LED3+CONNECTION                |
| 4      | -3    | LED3-CONNECTION                |



Recommended  
H07RNF 3G1,5 mm<sup>2</sup>

#### SIGNALLING LED INDICATIONS ON THE GEAR BOX

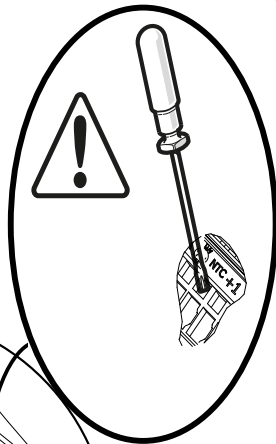
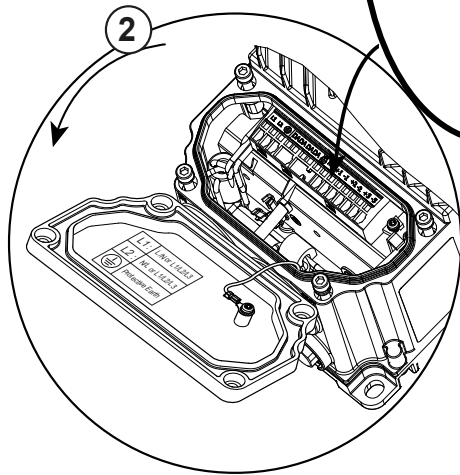
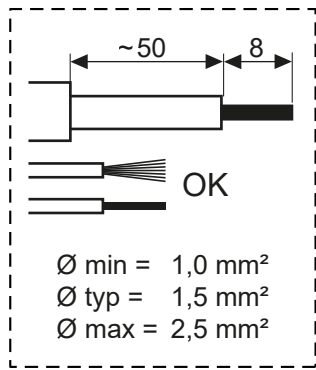
| PERIOD                                                         | PULSES | FAULT DESCRIPTION                                  | PRIORITY |
|----------------------------------------------------------------|--------|----------------------------------------------------|----------|
| The encoded faults are based on pulses emitted every 4 seconds | 1      | One or more active outputs is not working          | Maximum  |
|                                                                | 5      | Undervoltage on one or more active outputs         |          |
|                                                                | 2      | short circuit on one or more active outputs        |          |
|                                                                | 3      | One or more active outputs disconnection from load | Minimum  |
|                                                                | 4      | Overload on one or more active outputs             |          |

#### CABLE GLAND

| TYPE | ØMin  | ØMax  |
|------|-------|-------|
| M16  | 5 mm  | 10 mm |
| M25  | 10 mm | 17 mm |
| M32  | 13 mm | 21 mm |

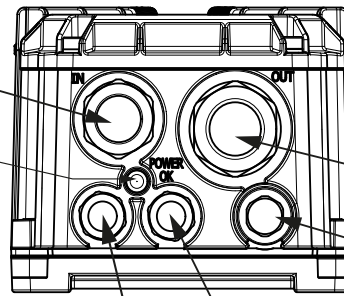
#### SEAL REDUCER for GB and FLOOD

| TYPE | ØMin  | ØMax  |
|------|-------|-------|
| M32  | 10 mm | 16 mm |



Mains (IN)  
M25

Signal LED

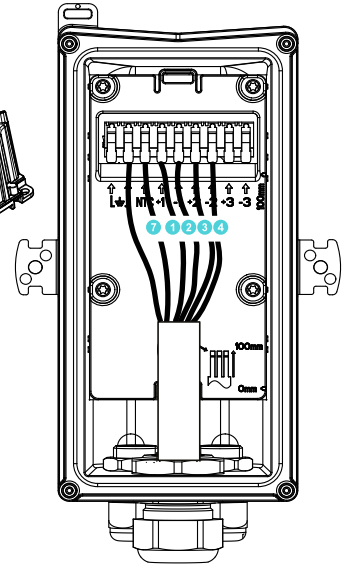
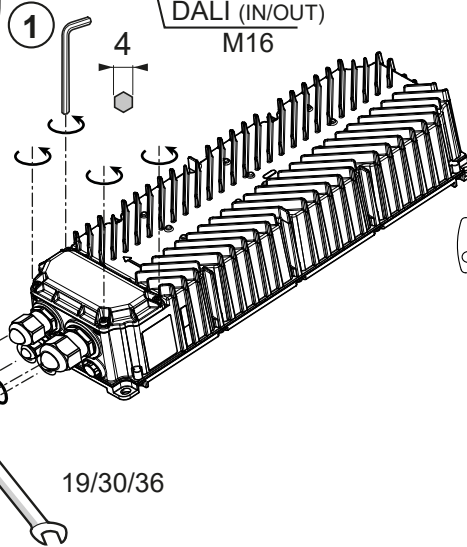


Output (OUT) → Floodlight  
M32

Ventilation valve

DALI Re-launch (IN/OUT)  
M16

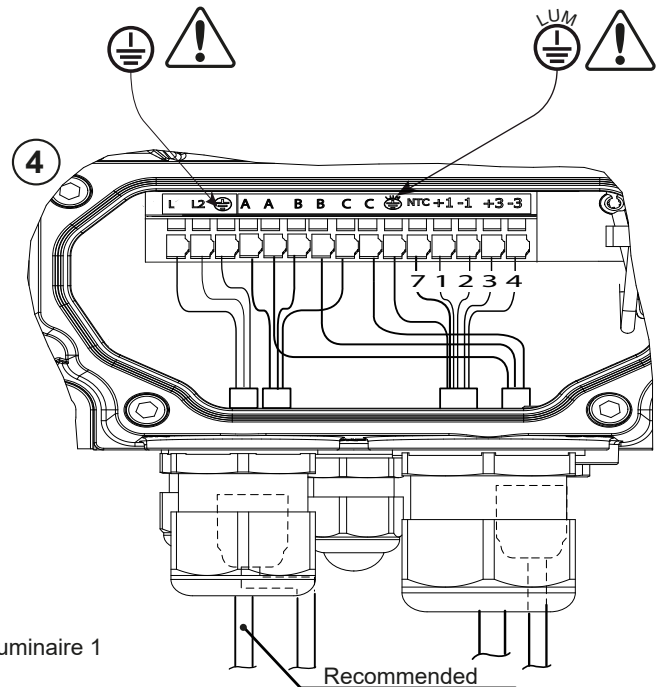
DALI (IN/OUT)  
M16



**Extreme caution :** Do not connect any LED CONNECTION wire (high voltage) inside NTC connector !! It could result in a critical failure and damage irreversibly the ALTIS luminaire

### PINOUT

| Number | Label | Description                     |
|--------|-------|---------------------------------|
|        | L1    | AC LINE 1 INPUT                 |
|        | L2    | AC LINE 2 INPUT                 |
|        | ⏏     | PROTECTIVE EARTH                |
|        | A     | DMX INPUT DATA+                 |
|        | A     | DMX-RE-LAUNCH DATA+             |
|        | B     | DMX INPUT DATA-                 |
|        | B     | DMX-RE-LAUNCH DATA-             |
|        | S     | DMX COMMON / SHIELD             |
|        | S     | DMX COMMON / SHIELD             |
|        | ⏏     | PROTECTIVE EARTH FOR LED MODULE |
| 7      | NTC   | THERMAL MEASURE INPUT           |
| 1      | +1    | LED1+CONNECTION                 |
| 2      | -1    | LED1-CONNECTION                 |
| 3      | +3    | LED3+CONNECTION                 |
| 4      | -3    | LED3-CONNECTION                 |



Luminaire 1

Luminaire 2

Recommended  
H07RNF 3G1,5 mm<sup>2</sup>

### SIGNALLING LED INDICATIONS ON THE GEAR BOX

| PERIOD                                                         | PULSES | FAULT DESCRIPTION                                  | PRIORITY                |
|----------------------------------------------------------------|--------|----------------------------------------------------|-------------------------|
| The encoded faults are based on pulses emitted every 4 seconds | 1      | One or more active outputs is not working          | Maximum<br>↑<br>Minimum |
|                                                                | 5      | Undervoltage on one or more active outputs         |                         |
|                                                                | 2      | short circuit on one or more active outputs        |                         |
|                                                                | 3      | One or more active outputs disconnection from load |                         |
|                                                                | 4      | Overload on one or more active outputs             |                         |

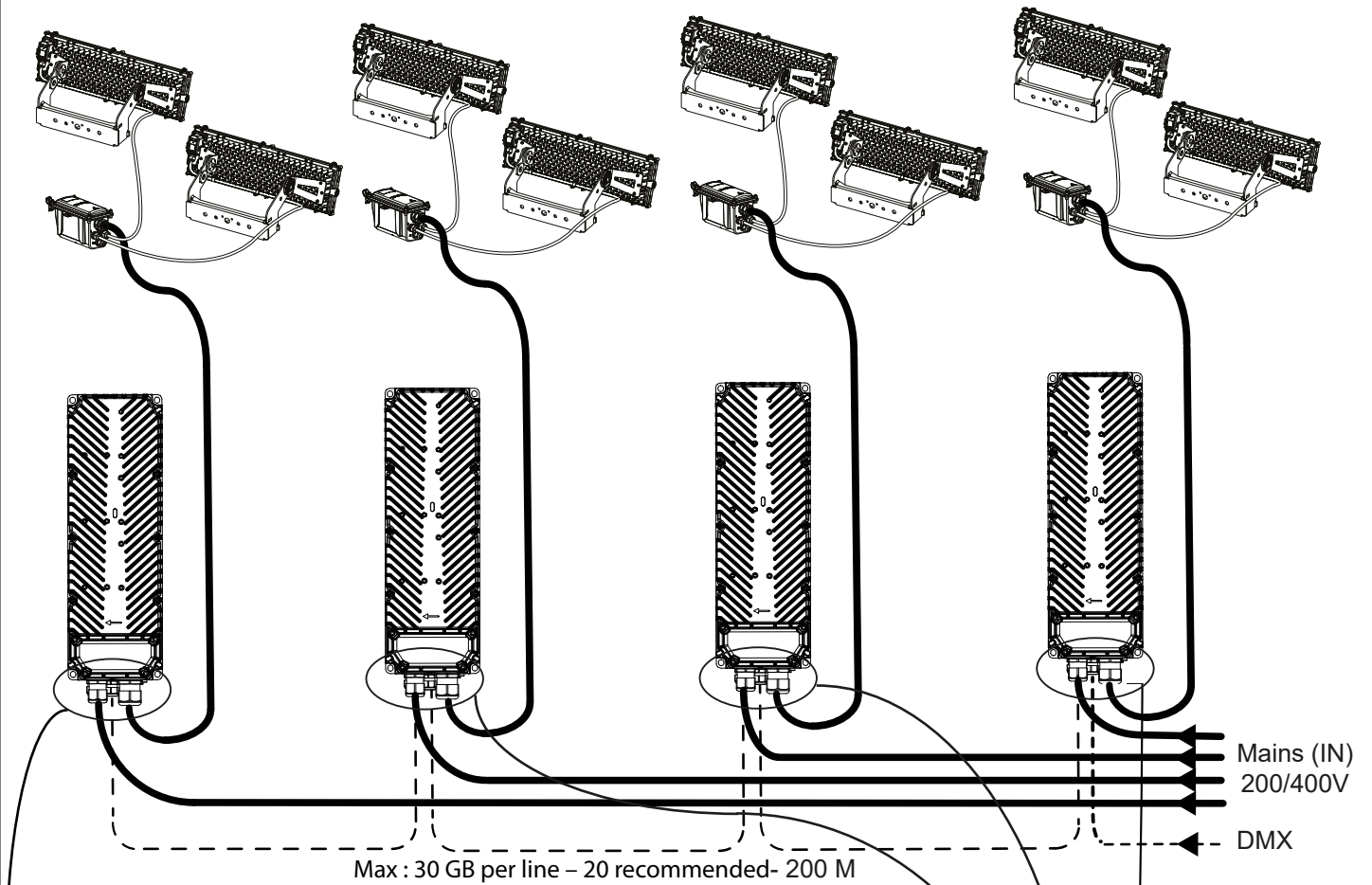
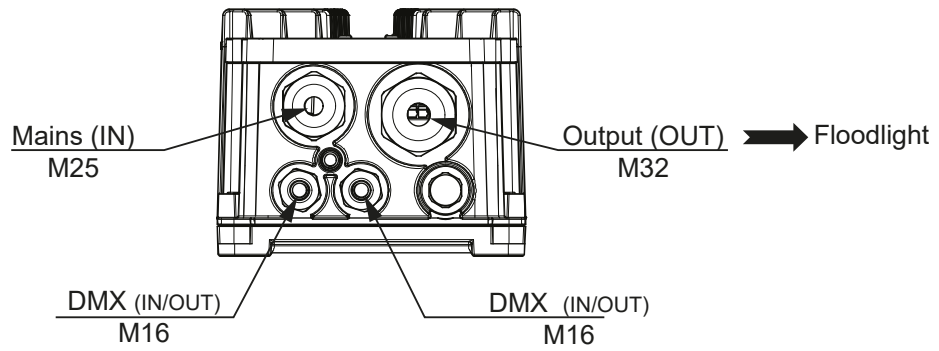
### CABLE GLAND

| TYPE | ØMin  | ØMax  |
|------|-------|-------|
| M16  | 5 mm  | 10 mm |
| M25  | 10 mm | 17 mm |
| M32  | 13 mm | 21 mm |

### SEAL REDUCER for GB and FLOOD

| TYPE | ØMin  | ØMax  |
|------|-------|-------|
| M32  | 10 mm | 16 mm |

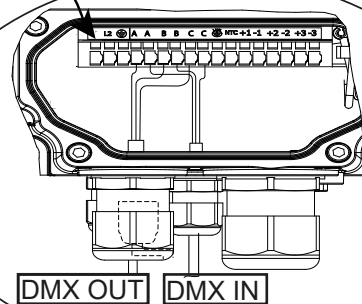
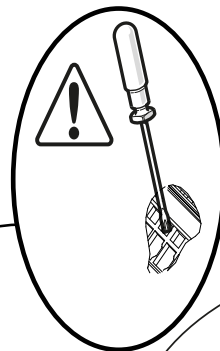
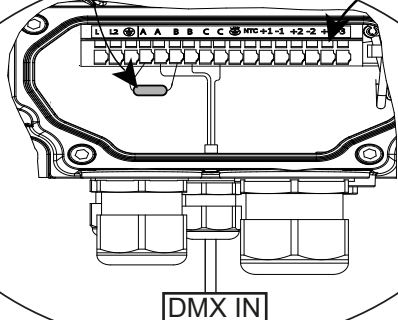


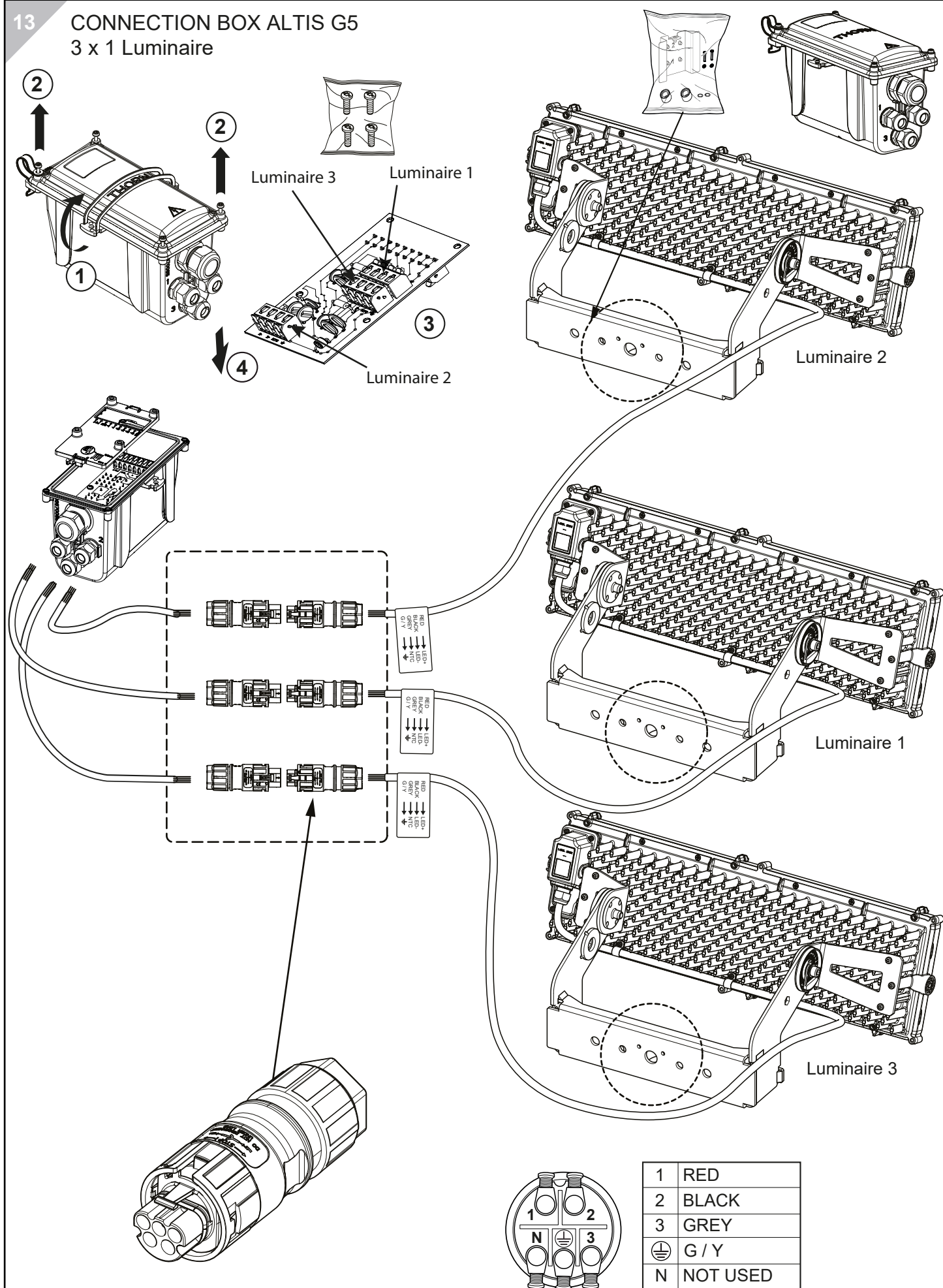


« DMX-RDM wiring shall respect ANSI E1.11 and AINSI E1.20 installation rules».

1 to 3 DMX addresses per GB – changeable via RDM

Last device on the line shall be properly terminated with a 120R 0.5W 5% resistance (96683550)

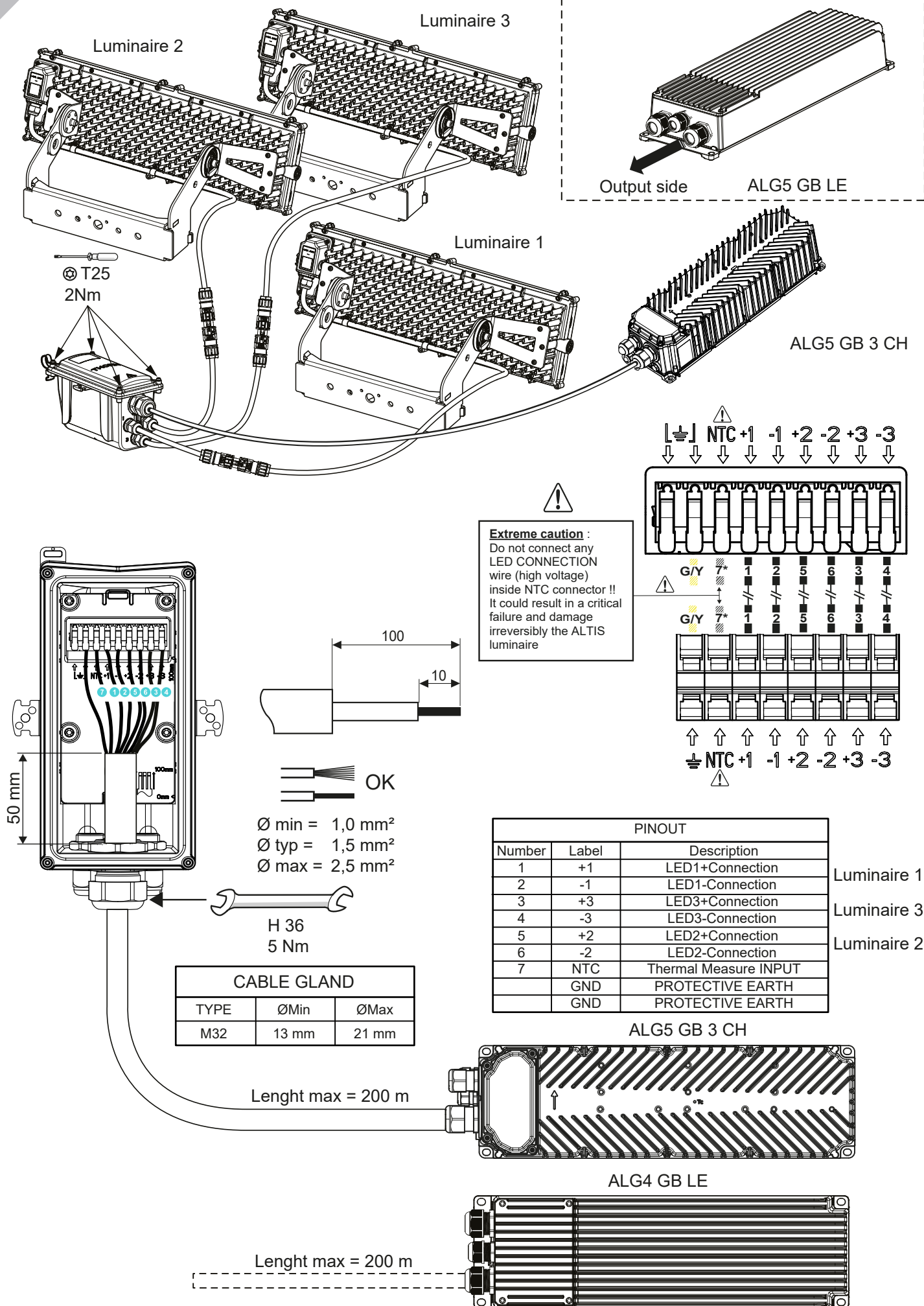




REF : PHOENIX CONTACT PRC 5 FC MS6 8-21

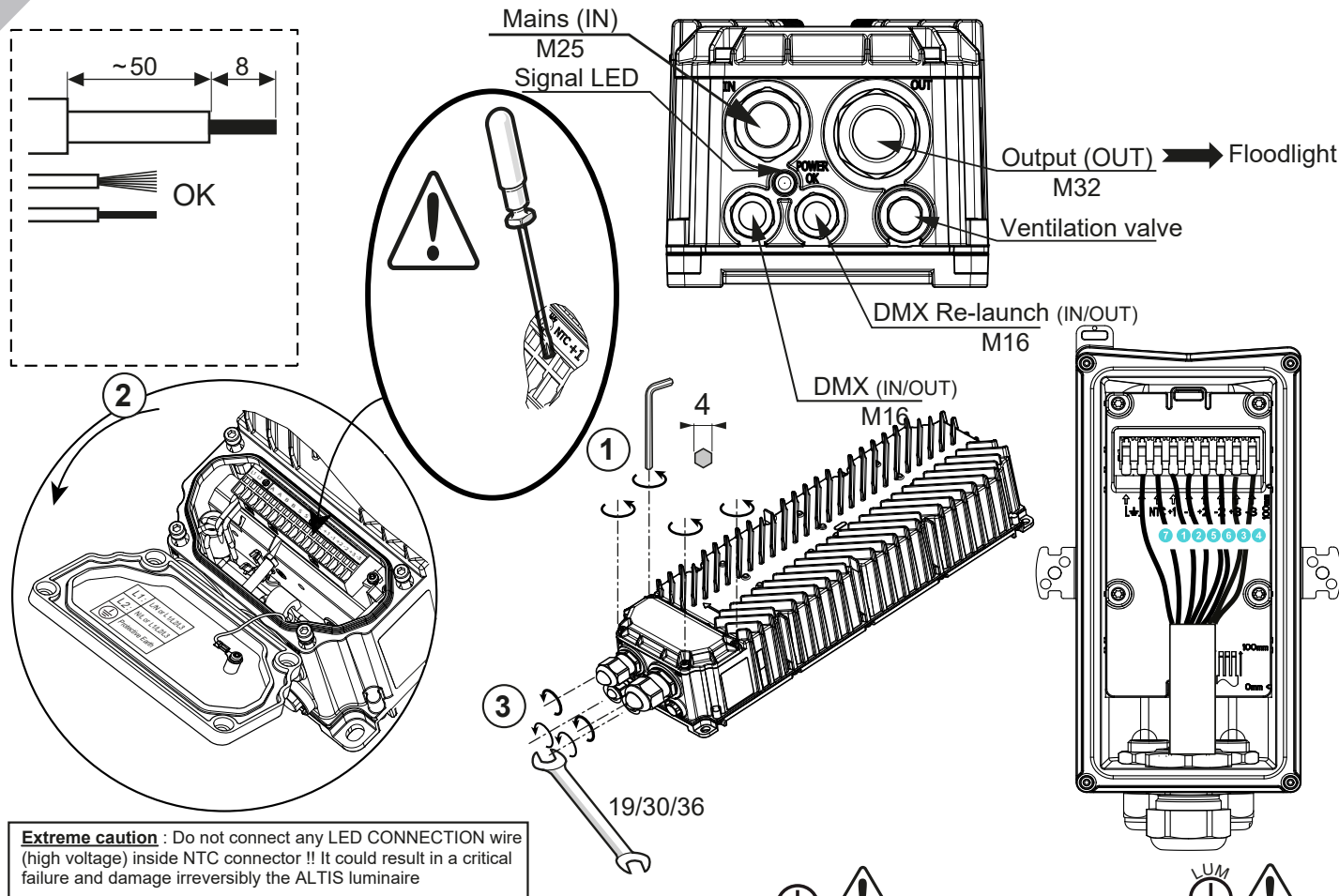
PHOENIX CONTACT PRC 5 FC MS6 8-21 HR

96679580 ALTIS G5 CON 5P M+F 600V X1



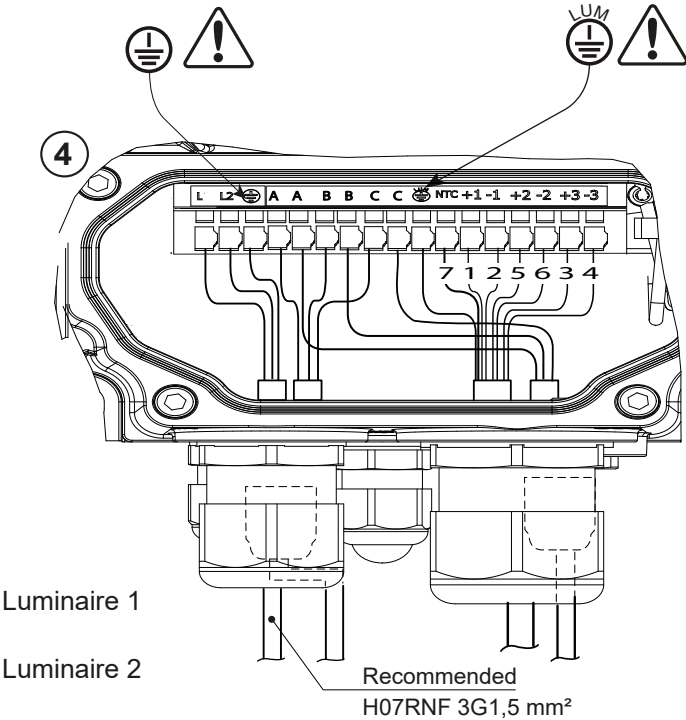






| PINOUT |       |                                 |
|--------|-------|---------------------------------|
| Number | Label | Description                     |
|        | L1    | AC LINE 1 INPUT                 |
|        | L2    | AC LINE 2 INPUT                 |
|        | ⏏     | PROTECTIVE EARTH                |
|        | A     | DMX INPUT DATA+                 |
|        | A     | DMX-RE-LAUNCH DATA+             |
|        | B     | DMX INPUT DATA-                 |
|        | B     | DMX-RE-LAUNCH DATA-             |
|        | S     | DMX COMMON / SHIELD             |
|        | S     | DMX COMMON / SHIELD             |
|        | ⏏     | PROTECTIVE EARTH FOR LED MODULE |
| 7      | NTC   | THERMAL MEASURE INPUT           |
| 1      | +1    | LED1+CONNECTION                 |
| 2      | -1    | LED1-CONNECTION                 |
| 5      | +2    | LED2+CONNECTION                 |
| 6      | -2    | LED2-CONNECTION                 |
| 3      | +3    | LED3+CONNECTION                 |
| 4      | -3    | LED3-CONNECTION                 |

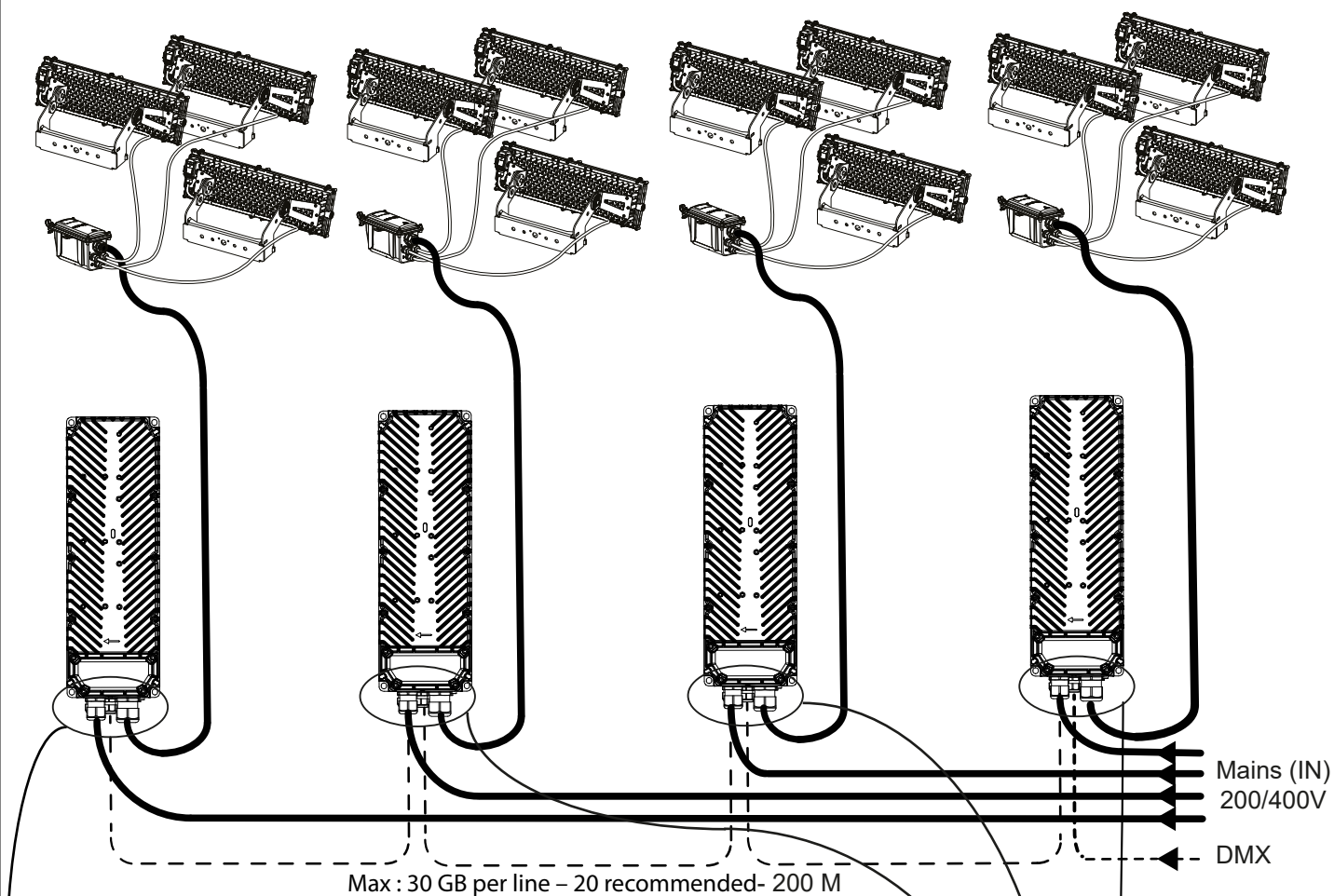
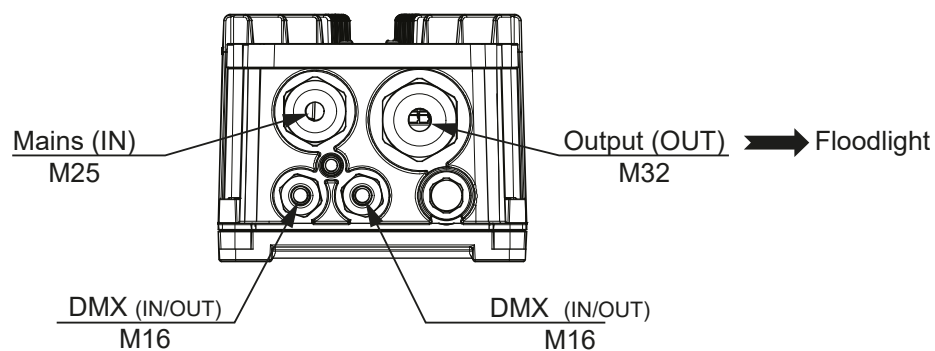
| SIGNALLING LED INDICATIONS ON THE GEAR BOX                     |        |                                                                                                |                         |
|----------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------|-------------------------|
| PERIOD                                                         | PULSES | FAULT DESCRIPTION                                                                              | PRIORITY                |
| The encoded faults are based on pulses emitted every 4 seconds | 1      | One or more CCR module enabled by config are not communicating with logic board                | Maximum<br>↑<br>Minimum |
|                                                                | 5      | Firmware version of one or more CCR module is not compatible with logic board firmware version |                         |
|                                                                | 2      | One or more CCR's output is short-circuited                                                    |                         |
|                                                                | 3      | Load failure on one or more CCR's output                                                       |                         |
|                                                                | 4      | Thermal derating active (output current reduction)                                             |                         |



| CABLE GLAND |       |       |
|-------------|-------|-------|
| TYPE        | ØMin  | ØMax  |
| M16         | 5 mm  | 10 mm |
| M25         | 10 mm | 17 mm |
| M32         | 13 mm | 21 mm |

| SEAL REDUCER for GB and FLOOD |       |       |
|-------------------------------|-------|-------|
| TYPE                          | ØMin  | ØMax  |
| M32                           | 10 mm | 16 mm |

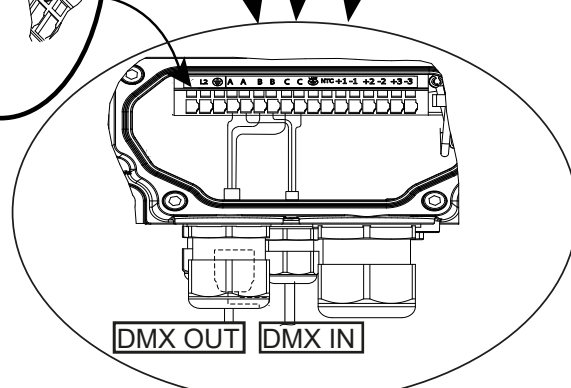
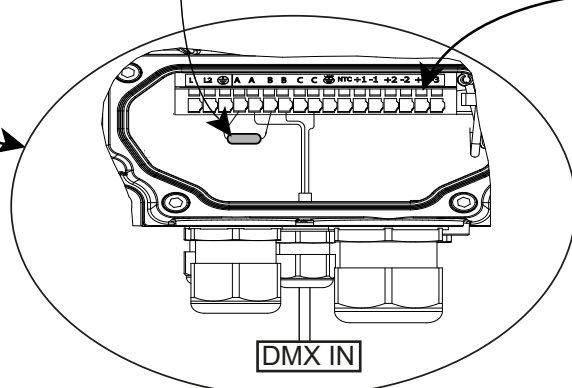
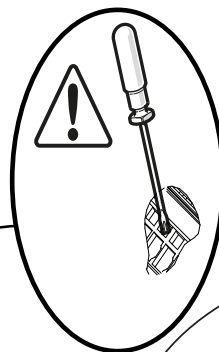


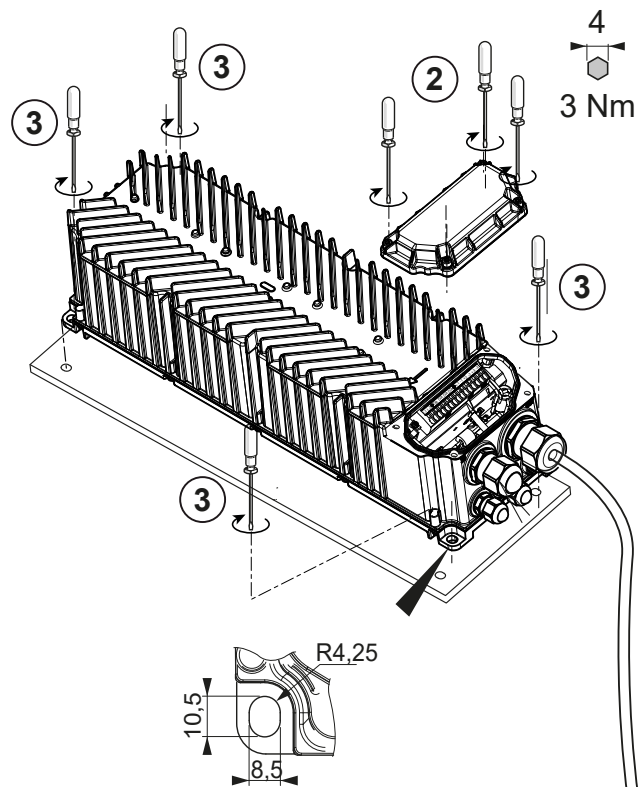


« DMX-RDM wiring shall respect ANSI E1.11 and AINSI E1.20 installation rules».

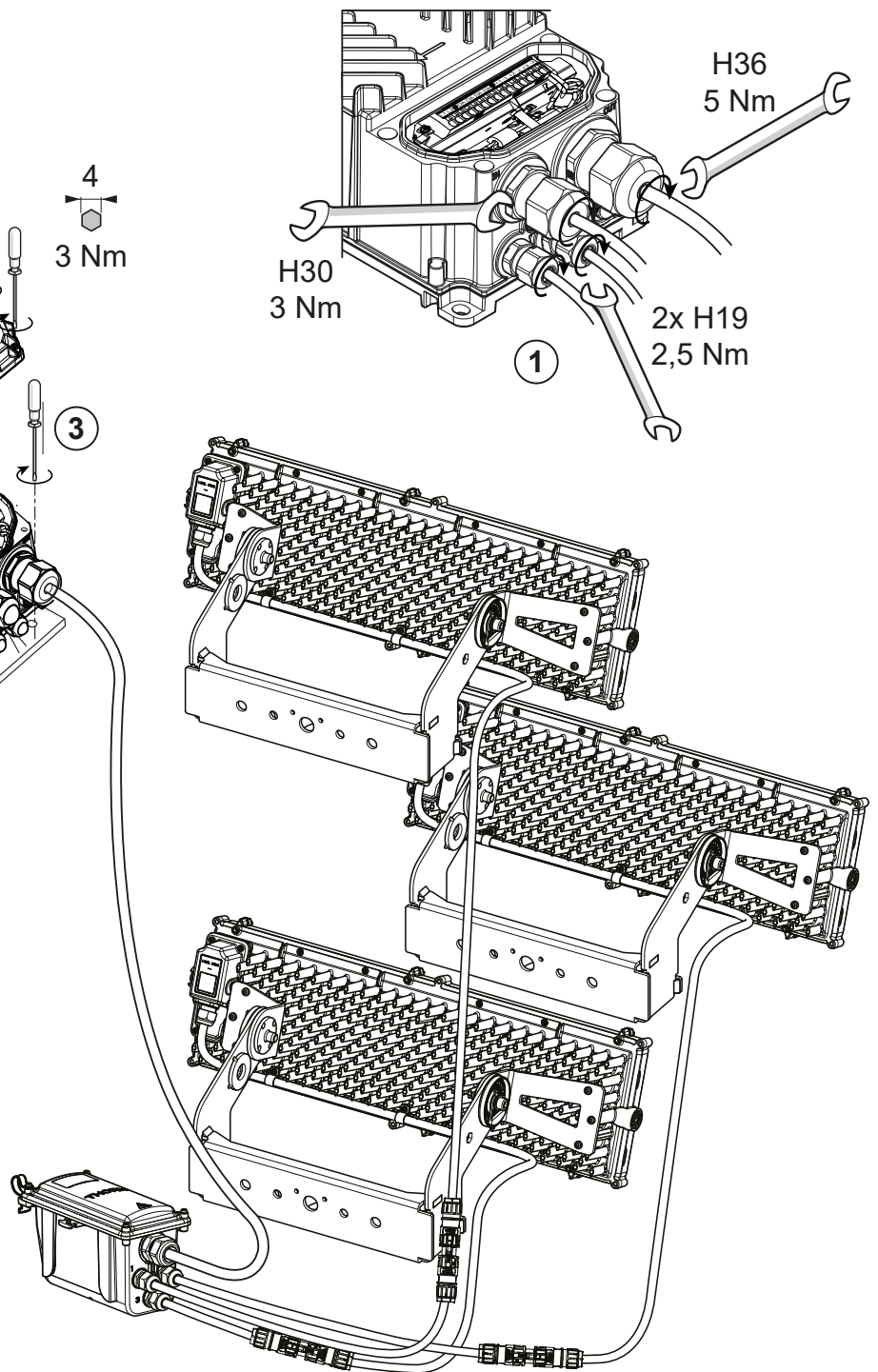
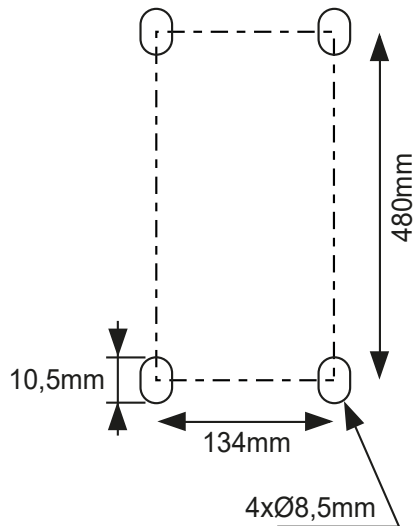
1 to 3 DMX addresses per GB – changeable via RDM

Last device on the line shall be properly terminated with a 120R 0.5W 5% resistance (96683550)

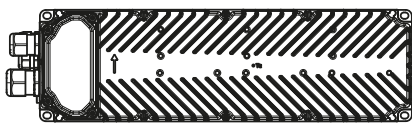




Drilling recommendation:



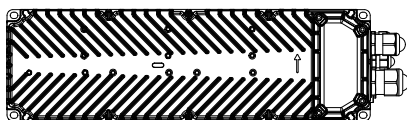
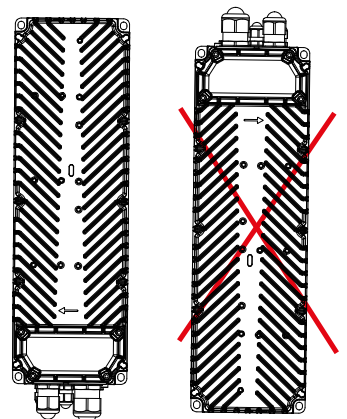
HORIZONTAL



LATERAL / SIDE



VERTICAL

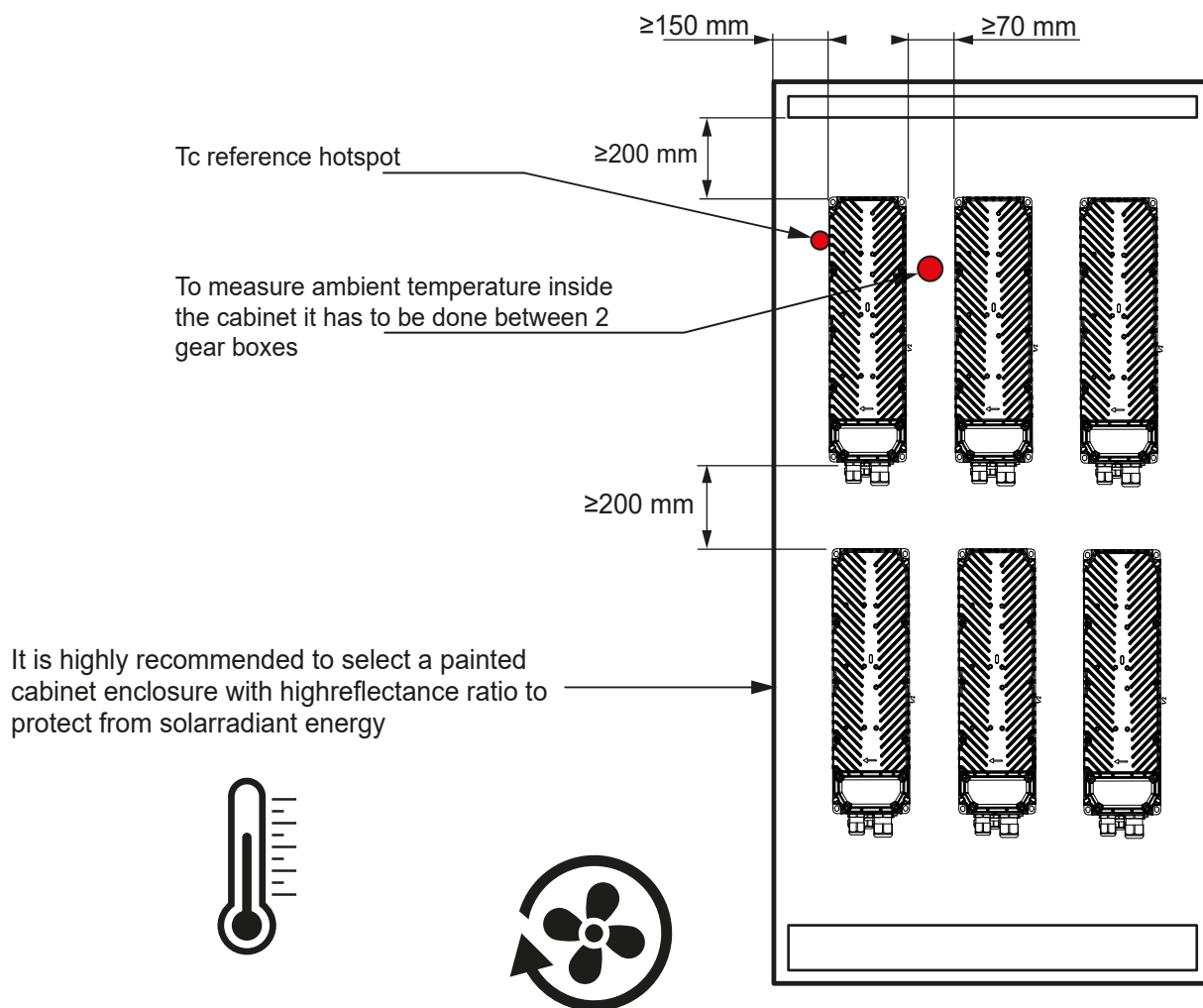


## CIRCUIT BREAKER recommendation

It should mentioned in the notice that calculation has been done with a Circuit Breaker Load Factor of 100%.

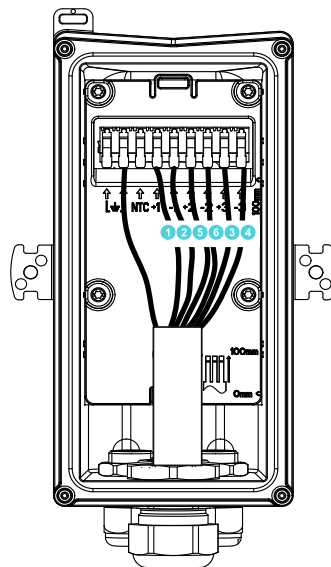
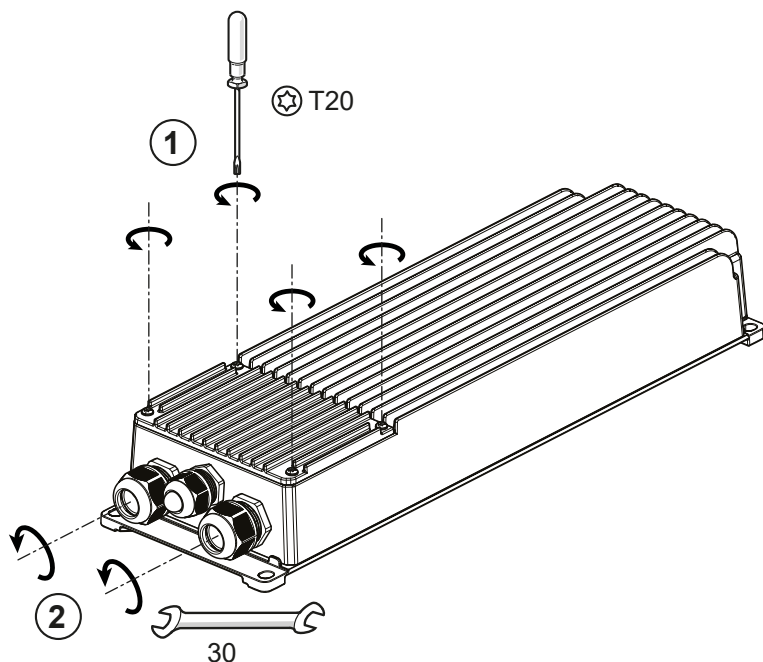
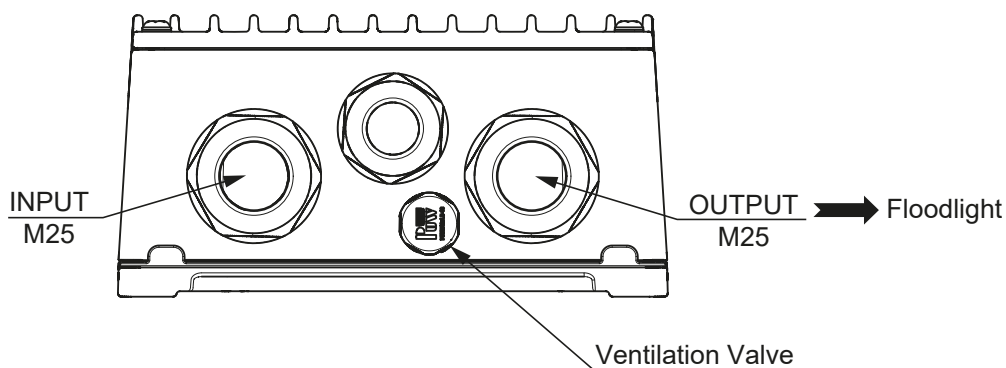
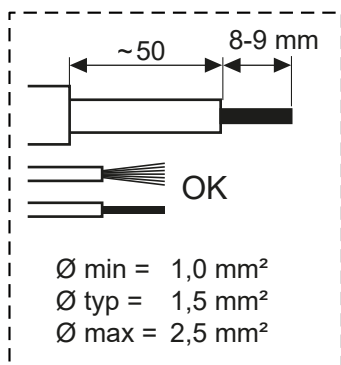
| V in<br>Nominal | Inrush Current Data |                         | # Drivers for each Circuit Breaker |               |               |               |               |               |               |               |               |               |               |               |
|-----------------|---------------------|-------------------------|------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                 | I peak<br>(A)       | Half Value<br>Time (μs) | Type B<br>10A                      | Type B<br>16A | Type B<br>20A | Type B<br>25A | Type C<br>10A | Type C<br>16A | Type C<br>20A | Type C<br>25A | Type D<br>10A | Type D<br>16A | Type D<br>20A | Type D<br>25A |
| 230Vac          | 40                  | 2500                    | 0                                  | 1             | 1             | 2             | 0             | 1             | 1             | 2             | 0             | 1             | 1             | 2             |
| 400Vac          | 68                  | 2000                    | 0                                  | 1             | 1             | 1             | 1             | 1             | 2             | 2             | 1             | 1             | 2             | 3             |

## GUIDELINE FOR INTEGRATION OF GEAR BOX

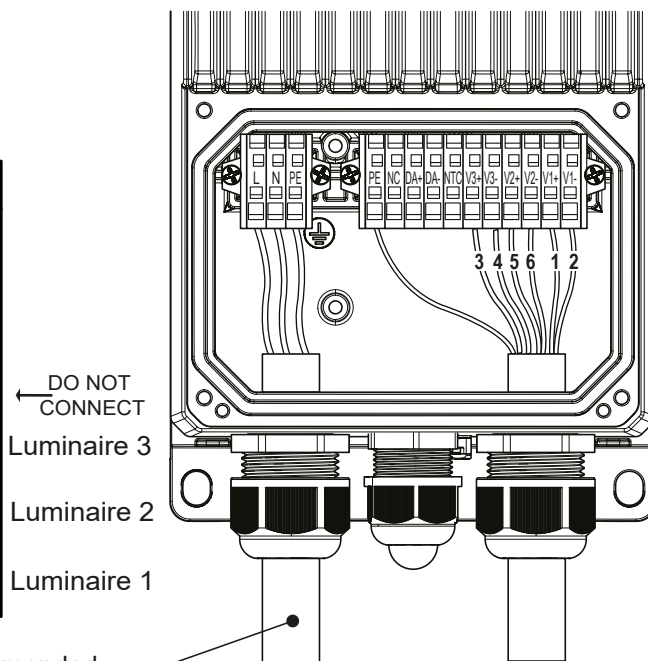


If you cannot follow instructions included in previous section regarding gear box integration, you have to measure Tc reference point taking into consideration that measures must be down to Tc\_max

| Tc Reference at Max Ambient |             |          |             |
|-----------------------------|-------------|----------|-------------|
| Position                    | Horizontal  | Vertical | Side        |
| Mounting                    |             |          |             |
|                             | 230Vac      | 81°C     | 80°C        |
|                             | 400Vac      | 69°C     | 68°C        |
|                             | Ambient Max | 55°C     | 55°C        |
|                             |             |          | 82°C (Ref.) |
|                             |             |          | 70°C (Ref.) |
|                             |             |          | 55°C (Ref.) |



| PINOUT |       |                                    |
|--------|-------|------------------------------------|
| Number | Label | Description                        |
|        | L     | AC INPUT                           |
|        | N     | AC INPUT                           |
|        | PE    | PROTECTIVE EARTH                   |
|        | PE    | PE FOR LED MODULE                  |
|        | NTC   | THERMAL PROTECTION FOR LED FIXTURE |
| 3      | V3+   | OUTPUT CHANNEL 3+                  |
| 4      | V3-   | OUTPUT CHANNEL 3-                  |
| 5      | V2+   | OUTPUT CHANNEL 2+                  |
| 6      | V2-   | OUTPUT CHANNEL 2-                  |
| 1      | V1+   | OUTPUT CHANNEL 1+                  |
| 2      | V1-   | OUTPUT CHANNEL 1-                  |



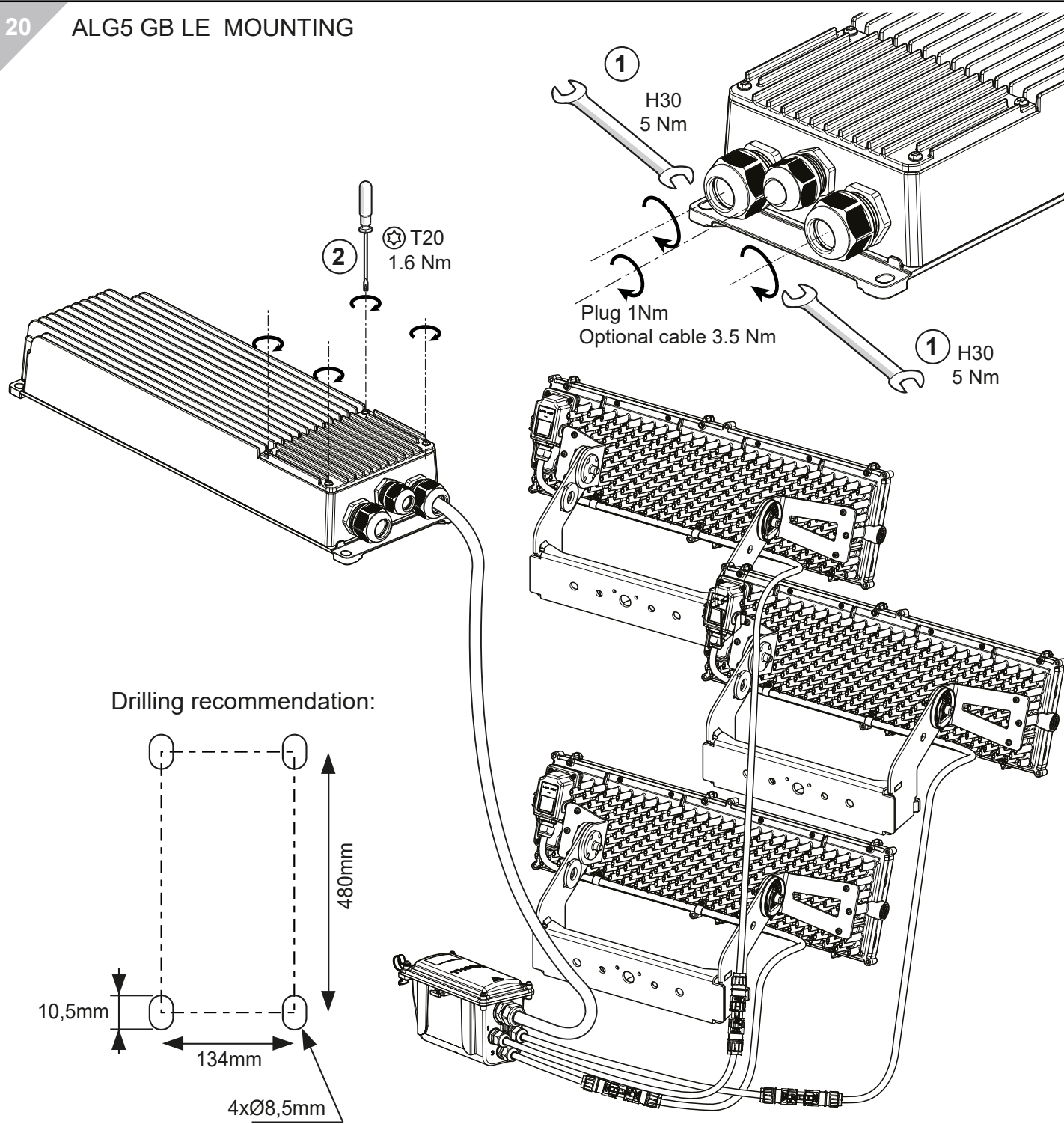
Recommended :  
H07RNF 3G1.5 mm<sup>2</sup>



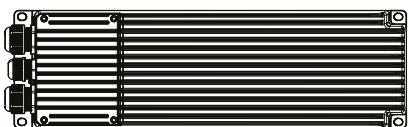
The wiring should follow label marking instruction,  
Otherwise the product could be damaged or the fonctions could be affected.  
Each set of + or - are not potential identical, cross connection is prohibited.

| CABLE GLAND |        |         |
|-------------|--------|---------|
| TYPE        | ØMin   | ØMax    |
| M20         | 6.3 mm | 11.3 mm |
| M25         | 10 mm  | 16.3 mm |

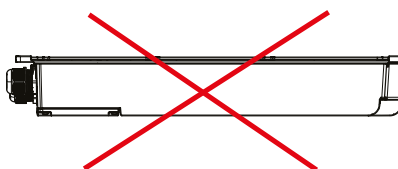




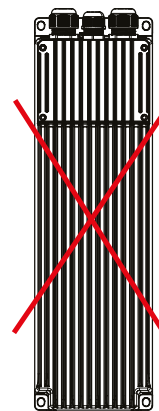
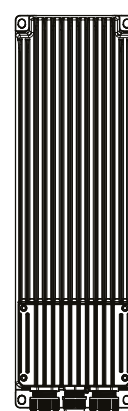
HORIZONTAL



LATERAL / SIDE



VERTICAL



## ALG5 GB LE / 200-250 Vac - ALG5 GB LE /250-440 Vac

Drivers for each circuit breaker

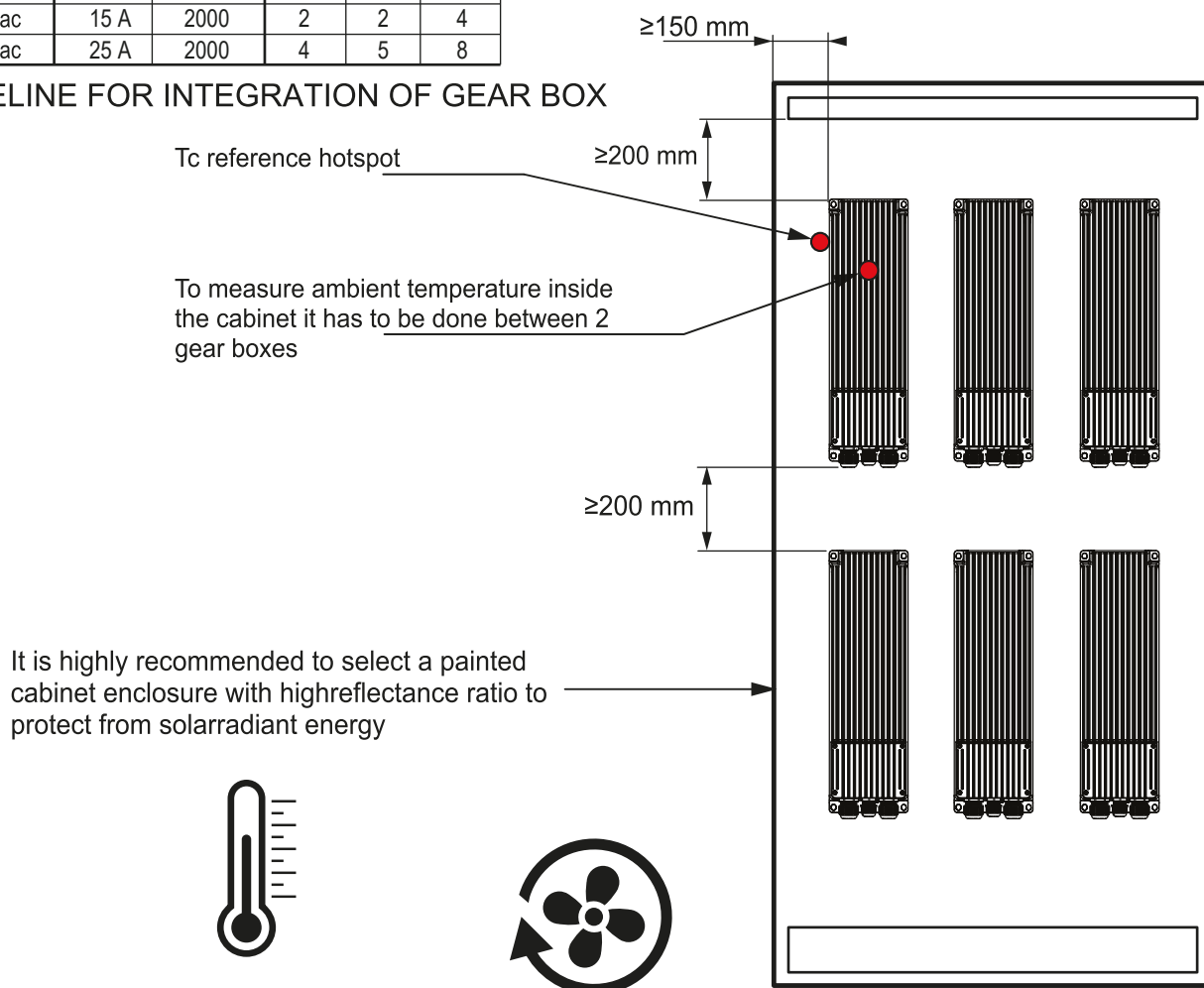
Referring to the circuit breakers available on the market, the maximum number on the driver connectable for each circuit breaker is as the following table.

| V in Nominal | Inrush Current Data |                      | # Drivers for each Circuit Breaker |            |            |            |            |            |            |            |            |            |            |
|--------------|---------------------|----------------------|------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|              | I peak (A)          | Half Value Time (μs) | Type B 10A                         | Type B 16A | Type B 20A | Type B 25A | Type B 32A | Type B 40A | Type B 63A | Type C 10A | Type C 16A | Type C 20A | Type C 25A |
| 230Vac       | 15 A                | 2000                 | 0                                  | 1          | 1          | 1          | 2          | 2          | 4          | 0          | 1          | 1          | 1          |
| 400Vac       | 25 A                | 2000                 | 1                                  | 1          | 2          | 2          | 3          | 4          | 6          | 1          | 2          | 2          | 3          |

| V in Nominal | Inrush Current Data |                      |            |            |            |
|--------------|---------------------|----------------------|------------|------------|------------|
|              | I peak (A)          | Half Value Time (μs) | Type C 32A | Type C 40A | Type C 63A |
| 230Vac       | 15 A                | 2000                 | 2          | 2          | 4          |
| 400Vac       | 25 A                | 2000                 | 4          | 5          | 8          |

### GUIDELINE FOR INTEGRATION OF GEAR BOX



If you cannot follow instructions included in previous section regarding gear box integration, you have to measure Tc reference point taking into consideration that measures must be down to Tc\_max

| Tc Reference at Max Ambient |             |          |      |
|-----------------------------|-------------|----------|------|
| Position                    | Horizontal  | Vertical | Side |
| Mounting                    |             |          |      |
|                             | 230Vac      | 85°C     | 84°C |
|                             | 400Vac      | 80°C     | 77°C |
|                             | Ambient Max | 50°C     | 50°C |

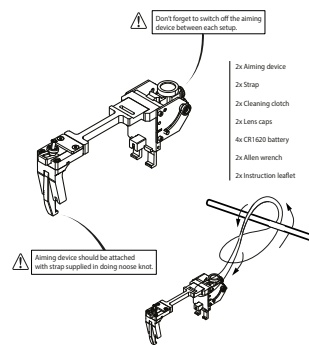
## Aiming Device

THORN

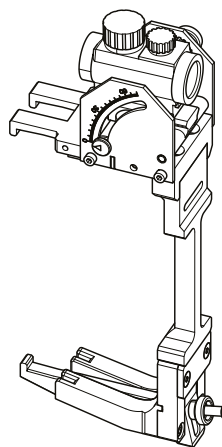
ALTIS LED AIMING DEVICE

|    |                           |    |                         |    |                          |
|----|---------------------------|----|-------------------------|----|--------------------------|
| UK | Installation instructions | FI | Asennusohje             | LV | Instalācijas instrukcija |
| DE | Montageanleitung          | FR | Notice de montage       | NO | Monteringsanvisning      |
| CZ | Montážní návod            | HU | Csavarászó útmutató     | PL | Instrukcja montażu       |
| DK | Montagevejledning         | IT | Istruzioni di montaggio | SE | Installationsanvisning   |
| EE | Päigekohustus             | LT | Montavimo instrukcija   | RU | ИНСТРУКЦИЯ ПО МОНТАЖУ    |

ALTIS LED AIMING DEVICE



|          |                                      |
|----------|--------------------------------------|
| 96671487 | ALTIS G4/G5 AIMING DEVICE WITH VISOR |
| 96671488 | ALTIS G4/G5 AIMING DEVICE BRACKET    |



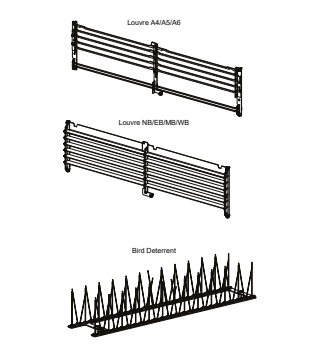
## Louvres / Bird Deterrent

THORN

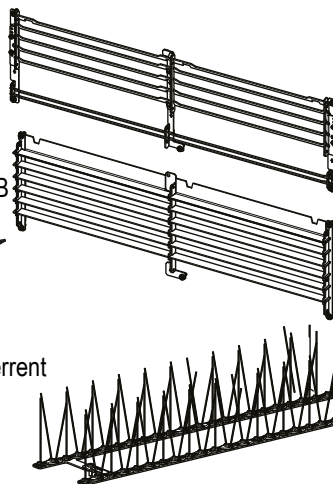
ALTIS LED

|    |                           |    |                         |    |                          |
|----|---------------------------|----|-------------------------|----|--------------------------|
| UK | Installation instructions | FI | Asennusohje             | LV | Instalācijas instrukcija |
| DE | Montageanleitung          | FR | Notice de montage       | NO | Monteringsanvisning      |
| CZ | Montážní návod            | HU | Csavarászó útmutató     | PL | Instrukcja montażu       |
| DK | Montagevejledning         | IT | Istruzioni di montaggio | SE | Installationsanvisning   |
| EE | Päigekohustus             | LT | Montavimo instrukcija   | RU | ИНСТРУКЦИЯ ПО МОНТАЖУ    |

TYPE: ALTIS LED GAIGS ACCESSORIES

Louvre  
A4/A5/A6/A6ILouvre  
NB/EB/MB/WB

Bird Deterrent



|          |                                   |
|----------|-----------------------------------|
| 96671492 | ALTIS G4/G5 1 BRICK LOUVRE A4     |
| 96671493 | ALTIS G4/G5 1 BRICK LOUVRE A5     |
| 96671494 | ALTIS G4/G5 1 BRICK LOUVRE A6/A6I |
| 96671496 | ALTIS G4/G5 1 BRICK LOUVRE MB     |
| 96671495 | ALTIS G4/G5 1 BRICK LOUVRE NB/EB  |
| 96671497 | ALTIS G5/G 1 BRICK LOUVRE WB      |

96671489 ALTIS G4/G5 BIRD DETERRENT

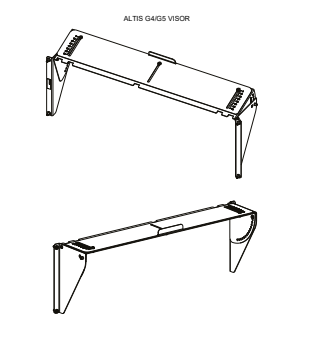
## Visor

THORN

ALTIS LED

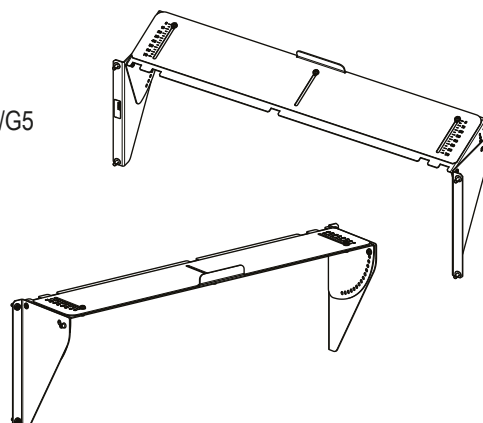
|    |                           |    |                         |    |                          |
|----|---------------------------|----|-------------------------|----|--------------------------|
| UK | Installation instructions | FI | Asennusohje             | LV | Instalācijas instrukcija |
| DE | Montageanleitung          | FR | Notice de montage       | NO | Monteringsanvisning      |
| CZ | Montážní návod            | HU | Csavarászó útmutató     | PL | Instrukcja montażu       |
| DK | Montagevejledning         | IT | Istruzioni di montaggio | SE | Installationsanvisning   |
| EE | Päigekohustus             | LT | Montavimo instrukcija   | RU | ИНСТРУКЦИЯ ПО МОНТАЖУ    |

TYPE: ALTIS GAIGS ACCESSORIES



96671498 ALTIS G4/G5 1 BRICK AJ VISOR

Visor G4/G5



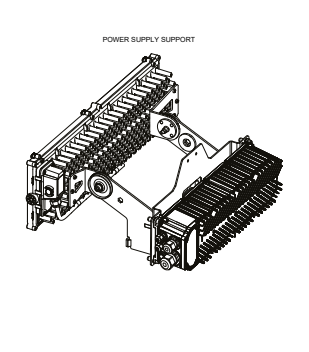
## Power supply support

THORN

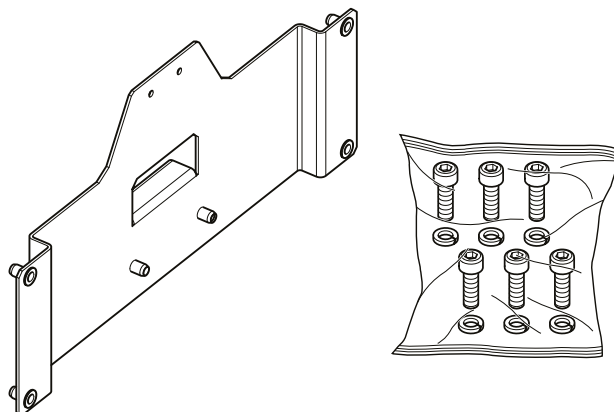
ALTIS LED

|    |                           |    |                         |    |                          |
|----|---------------------------|----|-------------------------|----|--------------------------|
| UK | Installation instructions | FI | Asennusohje             | LV | Instalācijas instrukcija |
| DE | Montageanleitung          | FR | Notice de montage       | NO | Monteringsanvisning      |
| CZ | Montážní návod            | HU | Csavarászó útmutató     | PL | Instrukcja montażu       |
| DK | Montagevejledning         | IT | Istruzioni di montaggio | SE | Installationsanvisning   |
| EE | Päigekohustus             | LT | Montavimo instrukcija   | RU | ИНСТРУКЦИЯ ПО МОНТАЖУ    |

TYPE: ALTIS GAIGS ACCESSORIES



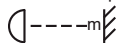
96671491 ALTIS G4/G5 GB BRACKET 2 BRICK LB STIRRUP



## FRANCAIS

- Remplacer toute protection fissurée.
- Les luminaires classe II doivent être installés de façon à ce que la partie métallique ne soit pas en contact avec l'installation électrique connectée à la terre.

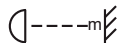
**ATTENTION:** Les luminaires classe I doivent être reliés à la terre.  
-Ce luminaire fonctionne à une tension nominale qui doit être coupée avant toute intervention sur l'appareillage.  
-Toute modification de cet appareil est interdite.  
-Respecter la distance minimale par rapport aux objets éclairés définie par ce sigle.



## SVERIGE

- Ersätta alla spräckta skyddsplåtar.
- Klass II armaturer måste installeras så att nakna metalldelar i armaturen inte är i kontakt med någon elektrisk installation, kopplad till en skyddledare.

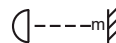
**VARNING:** Klass I armaturer måste vara jordade.  
-Denna armatur fungerar med högspänning som måste vara fränslagen före ingripande i driftdonen.  
-Alla ändringar i denna armatur är förbjuden.



## ITALIANO

- Sostituire sempre tutte le protezioni danneggiate.
- Gli apparecchi in classe II devono essere installati in modo che le parti metalliche non siano in contatto con apparati elettrici collegati a terra.

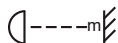
**ATTENZIONE:** Gli apparecchi in class I devono essere collegati a terra.  
-Questo apparecchio funziona a tensione nominale, questa deve essere interrotta prima di ogni intervento sul gruppo di alimentazione.  
-Ogni modifica dell' apparecchio è proibita.



## ENGLISH

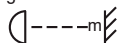
- Replace any cracked protective shield.
- Class II luminaires must be installed so that exposed metal work of the luminaire is not in contact with any part of the electrical installation connected to a protective conductor.

**WARNING:** Class I luminaires must be earthed.  
-This luminaire operates at mains voltage which must be switched off before intervention in control gear.  
-Any modification to this luminaire is forbidden.  
-Lighted objects nearer than the minimal distance in the is forbidden.



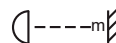
## DEUTSCH

- Ersetze jede gebrochene Schutzscheibe.
  - Schutzklasse II Leuchten müssen so installiert werden, daß berührbare Metallteile nicht mit einem, an dem Schutzleiter angeschlossenen Teil der elektrischen Installation in Kontakt kommen können.
- ACHTUNG:** Schutzklasse I Leuchten müssen geerdet sein.  
-Diese Leuchte wird mit Netzspannung betrieben. Bevor Eingriffe am Vorschaltgerät vorgenommen werden sowie vor Wartung und Installation, ist die Versorgungsspannung abzuschalten.  
-Jede Änderung an dieser Leuchte ist verboten.



## SUOMI

- Rikkoontunut suojalasi vaihdettava välittömästi uutsen vastaavaan.
  - Asennettaessa suojausluokan II valaisinta on peruseristetyt johdon ja kosketeltavien metalliosien välinen kosketus tehokkaasti eristettävä.
- VAROITUS:** Suojausluokan I valaisin täytyy maadoittaa.  
-Verkojännite on kytkettävä pois ennen valaisimen huoltotoimenpiteitä.  
-Valaisimen rakennetta ei saa muuttaa.



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- To ensure maintaining the best system performances, we advice to switch on the system "At least one night hour per month".
- corrosion environment from C1 to C5 according to standard ISO9223 except gear Box ALG4 GB LE corrosion environment from C1 to C3