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LED LINEAR™

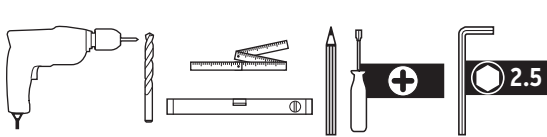
A Fagerhult Group Company

OCEANOS

INSTALLATION INSTRUCTIONS MONTAGEANLEITUNG

MOUNTING SINGLE LUMINAIRE | EINBAU EINZELLEUCHE

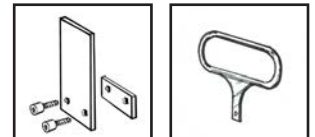
Required tools | Erforderliches Werkzeug



tearproof PE protective foil
Reißfeste PE Schutzfolie

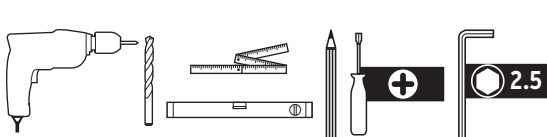
Insulation strip
Dämmstreifen

Recommended accessories | Empfohlenes Zubehör



MOUNTING MULTIPLE LUMINAIRES | EINBAU MEHRERE LEUCHTEN

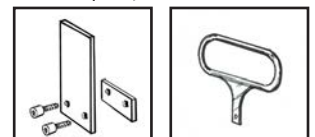
Required tools | Erforderliches Werkzeug



tearproof PE protective foil
Reißfeste PE Schutzfolie

Insulation strip
Dämmstreifen

Recommended accessories | Empfohlenes Zubehör



General Safety Instructions

- Read the instructions for installation and commissioning.
- Pass the instructions to the customer for safekeeping.
- Do not remove the type plate of the luminaire.
- The installation as well as the replacement of light source and cables may only be performed by a trained electrotechnical specialist, the manufacturer or a service technician authorized by the manufacturer.
- Please note the national installation and accident prevention regulations during installation.
- For improper installation or any subsequent change to the luminaire no liability is accepted.
- Clean the luminaire regularly with a smooth damp cloth. Only use solvent-free cleaning agents.
- Attention: previously cut off the mains supply and allow system to cool down.
- To protect the surface from dirt and fingerprints, we recommend the use of protective gloves during installation.
- The disposal of the system must be carried out on the disposal of electronic products in accordance with the EU Directive WEEE (Waste Electrical and Electronic Equipment).
- In order to answer technical queries, please contact our customer service respectively our worldwide branches and distributors. Please send your request to info@led-linear.com.

Connection

- Check that there is no voltage of the system prior to installation and maintenance. Beware of electric shock!
- Only suitable dimmers and converters of the correct voltage must be used. Not suitable components can damage the whole system. You will find suitable products in our range.
- Terminals in accordance with EN 60998-2-1 or EN 60998-2-2 must be used for connecting the lamp to the power grid.
- Incorrectly connected cables can cause damage to the luminaire.
- Connecting and disconnecting the luminaire and the control gear under present voltage can cause damage to the components.
- It is not allowed to use the luminaires with altered or damaged connector cables.
- Electrically operated (Constant Current) LED modules must not be secondary side connected.
- Protect the electronic operating devices from overvoltage.

Environment

- Pay attention to the allowable ambient conditions under which the luminaire may be operated according to defined temperatures (Ta/Tc max.) and IP classification.
- Pay attention to the permissible ceiling loads in case of ceiling mounting of the luminaire.

Allgemeine Sicherheitshinweise

- Lesen Sie die Anleitung vor Montage und Inbetriebnahme.
- Übergeben Sie die Anleitung dem Kunden zur Aufbewahrung.
- Entfernen Sie nicht das Typenschild der Leuchte.
- Beachten Sie die nationalen Installations- und Unfallverhütungsvorschriften bei der Montage.
- Die Installation sowie der Austausch von Leuchtmitteln und Leitungen darf nur von einer geschulten elektrotechnischen Fachkraft, dem Hersteller oder einem vom Hersteller beauftragten Servicetechniker durchgeführt werden.
- Bei unsachgemäßer Montage oder nachträglicher Änderung an der Leuchte wird keine Haftung übernommen.
- Reinigen Sie die Leuchte regelmäßig mit einem angefeuchteten weichen Tuch. Benutzen Sie nur lösungs-mittelfreie Reinigungsmittel. Achtung: Vorher Netzversorgung trennen und System abkühlen lassen.
- Zum Schutz der Oberflächen vor Schmutz und Fingerabdrücken empfehlen wir das Tragen von Schutzhandschuhen während der Montage.
- Die Entsorgung des Systems muss über die Entsorgung von Elektronikprodukten erfolgen gemäß der EU-Richtlinie-WEEE (Waste Electrical and Electronic Equipment).
- Zur Beantwortung von technischen Rückfragen steht Ihnen unser Kundendienst bzw. unsere weltweiten Niederlassungen und Distributoren zur Verfügung. Bitte richten Sie Ihre Anfrage an info@led-linear.com.

Anschluss

- Überprüfen Sie die Spannungsfreiheit des Systems vor Montage und Wartung. Achtung Stromschlaggefahr!
- Setzen Sie nur für die Produkte qualifizierte Dimmer und Konverter mit geeigneter Netzspannung ein. Nicht geeignete Komponenten können das Gesamtsystem beschädigen. Geeignete Produkte finden Sie in unserem Sortiment.
- Zum Anschluss der Leuchte an das Versorgungsnetz sind Anschlussklemmen in Übereinstimmung mit EN 60998-2-1 oder EN 60998-2-2 zu verwenden.
- Falsch angeschlossene Leitungen können zu einer Beschädigung der Leuchte führen.
- Verbinden und Trennen der Leuchte und des Betriebsgeräts unter anliegender Netzspannung kann zu Beschädigungen der Komponenten führen.
- Der Betrieb der Leuchte mit veränderten oder beschädigten Anschlussleitungen ist nicht zulässig.
- Stromgetriebene (Constant Current) LED-Module dürfen sekundärseitig nicht geschaltet werden.
- Schützen Sie die elektronischen Betriebsgeräte vor Überspannung.

Umgebung

- Achten Sie auf die bestimmungsgemäßen Umgebungsbedingungen, unter denen die Leuchte laut definierten Temperaturen (Ta/Tc max.) und IP-Klassifizierung betrieben werden darf.
- Achten Sie bei Deckenbefestigung der Leuchte auf die zulässigen Deckenlasten.

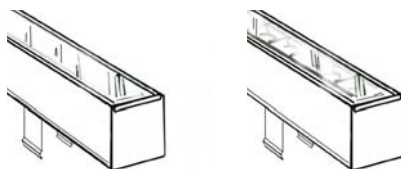


Attention: Do not touch LEDs. Fragile!
Electrostatic discharges can damage the LEDs.
Achtung: LEDs nicht berühren.
Bruchempfindlich! Elektrostatische
Entladungen können die LEDs beschädigen.

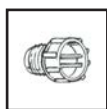


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MADE IN GERMANY



Required accessories Erforderliches Zubehör



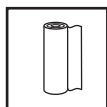
Art. # 15000133

Required material for
each assembly
Erforderliches Material
für jede Montage

Additional material
for concrete/screed
installation
Zusätzliches Material
nur für Beton/Estrich
Einbau



tearproof PE protective foil
Reißfeste PE Schutzfolie



Insulation strip
Dämmstreifen

Recommended accessories for easy disassembly
Empfohlenes Zubehör für leichtere Demontage

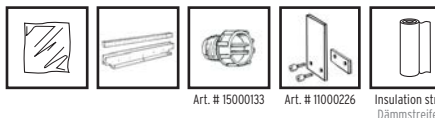
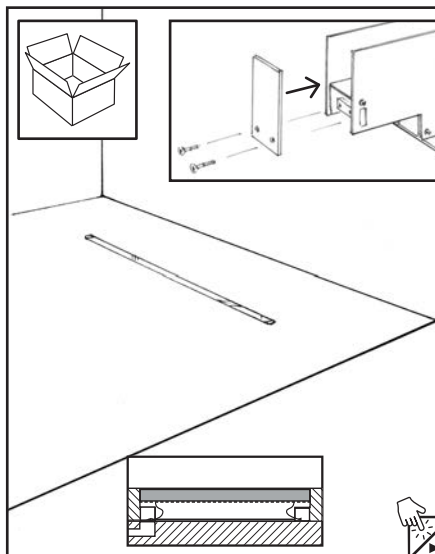


Art. # 11000226



Art. # 13100031

MOUNTING SINGLE LUMINAIRE WITH ENDCAPS 1.1–1.24 EINBAU EINZELLEUCHTE MIT ENDKAPPEN

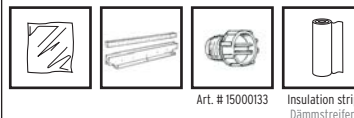
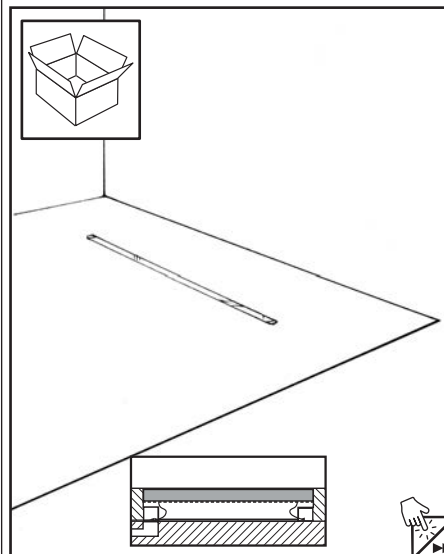


Art. # 15000133

Art. # 11000226

Insulation strip
Dämmstreifen

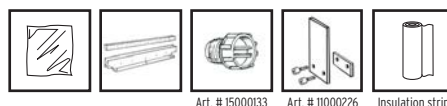
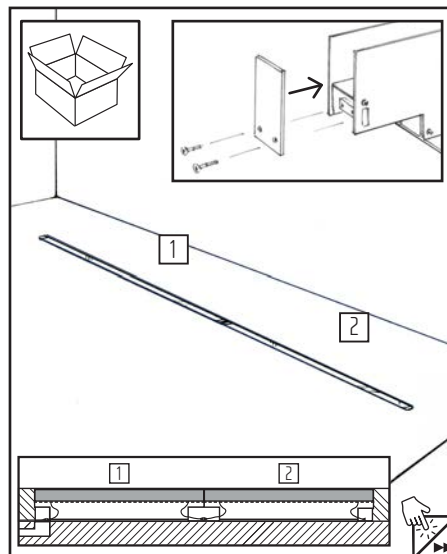
MOUNTING SINGLE LUMINAIRE 2.1–2.20 EINBAU EINZELLEUCHTE



Art. # 15000133

Insulation strip
Dämmstreifen

MOUNTING MULTIPLE LUMINAIRES WITH ENDCAPS 3.1–3.30 EINBAU MEHRERE LEUCHTEN MIT ENDKAPPEN

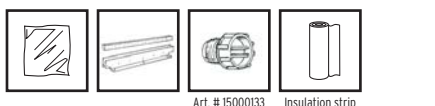
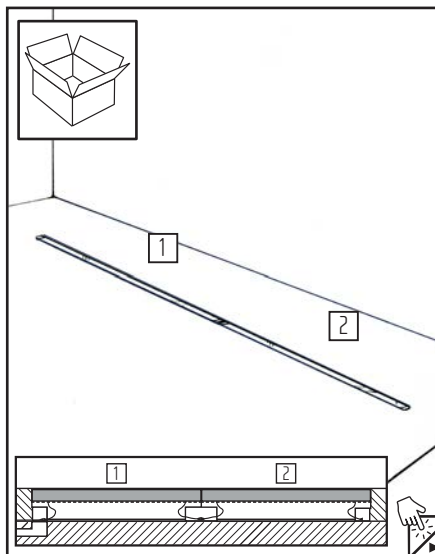


Art. # 15000133

Art. # 11000226

Insulation strip
Dämmstreifen

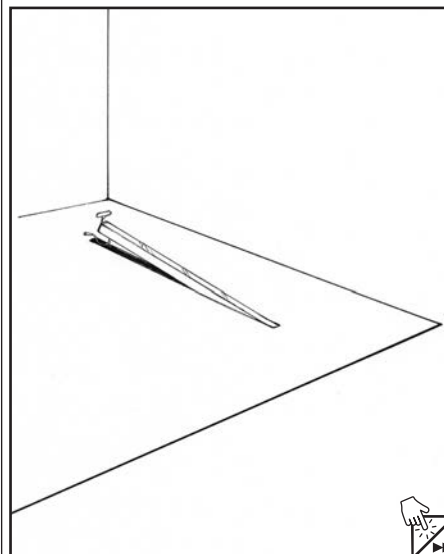
MOUNTING MULTIPLE LUMINAIRES 4.1–4.26 EINBAU MEHRERE LEUCHTEN



Art. # 15000133

Insulation strip
Dämmstreifen

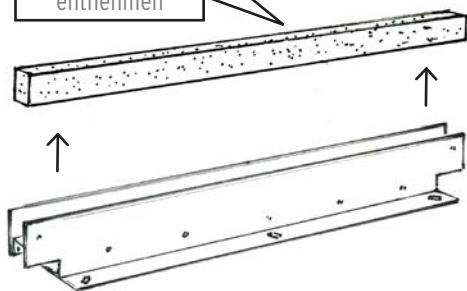
DISASSEMBLY 5.1–5.4 DEMONTAGE



Art. # 13100031

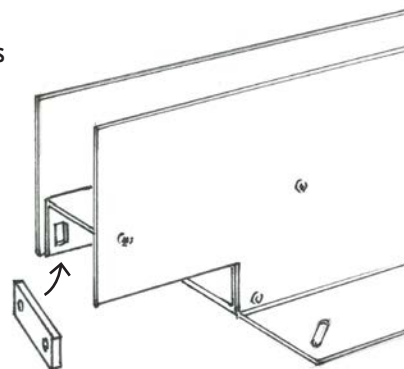
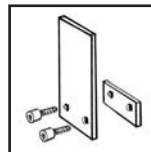
1.1

Pull out
Styrofoam dummy
Styropordummy
entnehmen



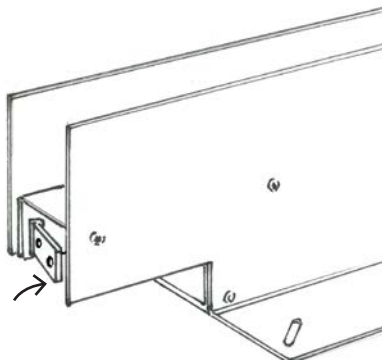
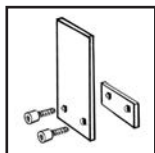
1.2

Recommended accessories
Empfohlenes Zubehör



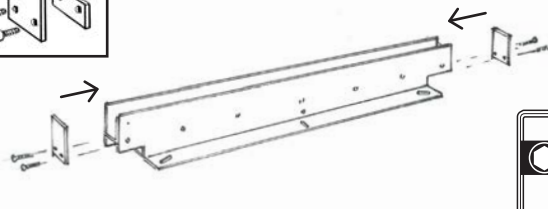
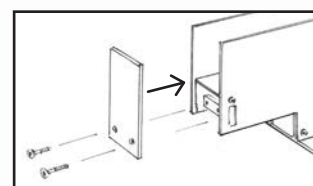
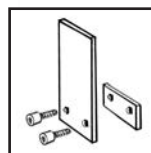
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Recommended accessories
Empfohlenes Zubehör



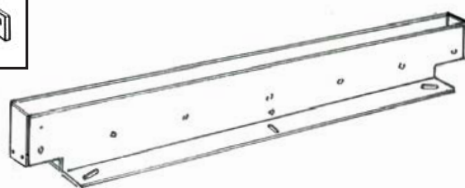
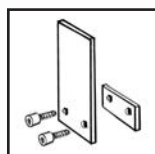
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Recommended accessories
Empfohlenes Zubehör

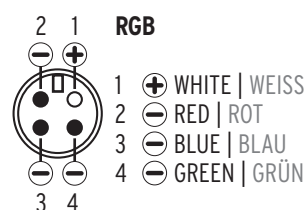
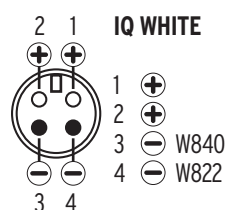
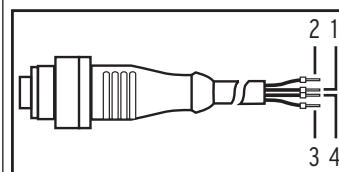
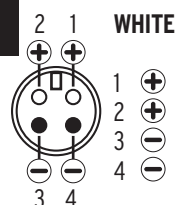


1.5

Recommended accessories
Empfohlenes Zubehör

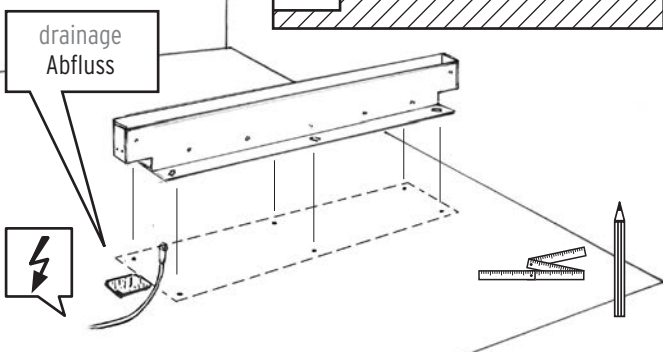


1.6

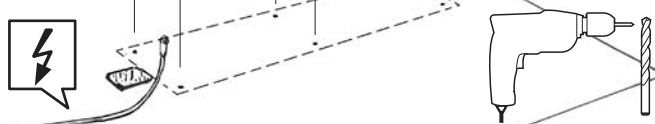


1.7

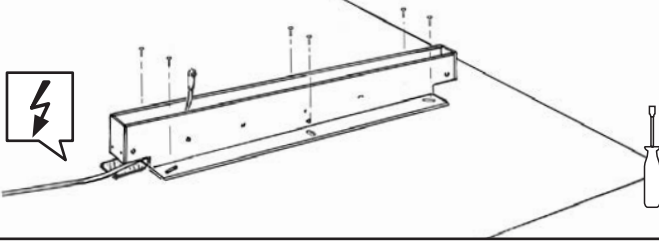
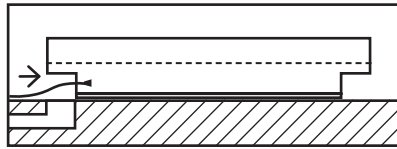
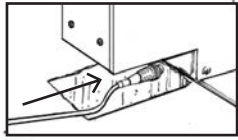
drainage
Abfluss



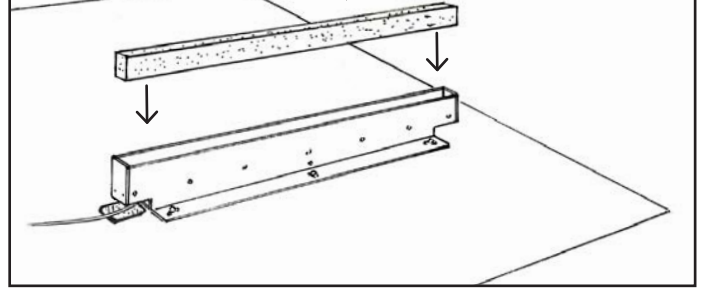
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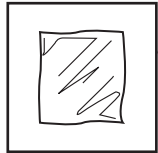
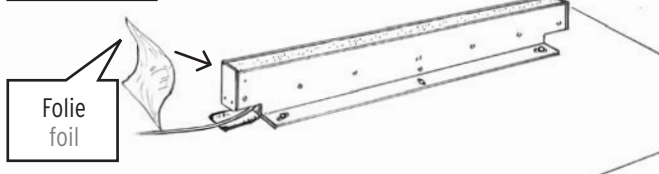
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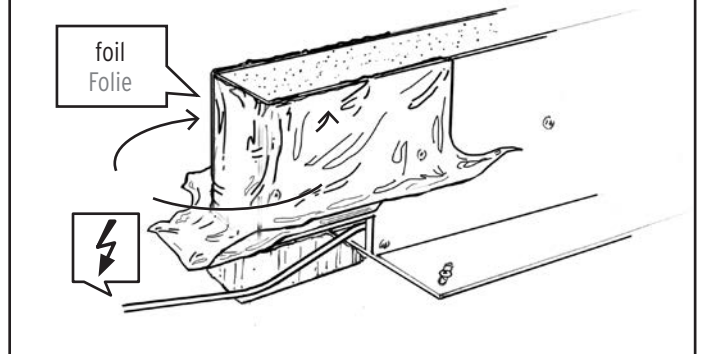
1.10

Styrofoam dummy
Styropordummy

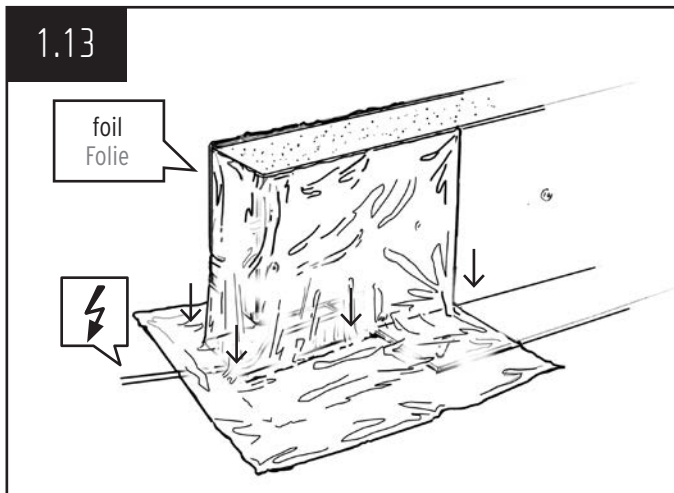
1.11

tearproof protective foil
Reißfeste Schutzfoliefoil
Folie

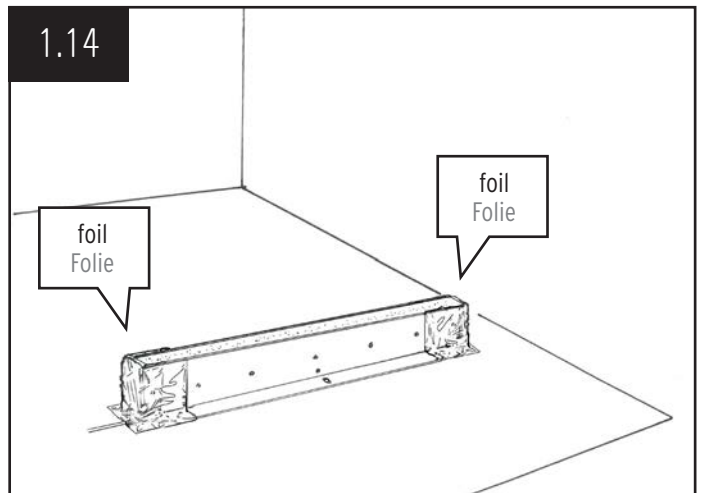
1.12

foil
Folie

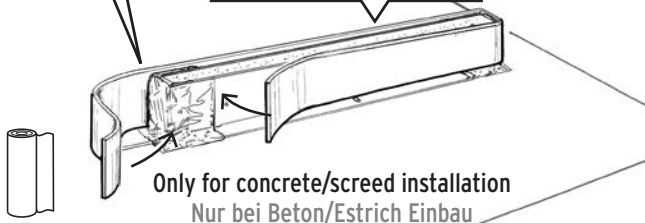
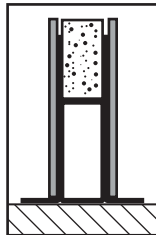
1.13

foil
Folie

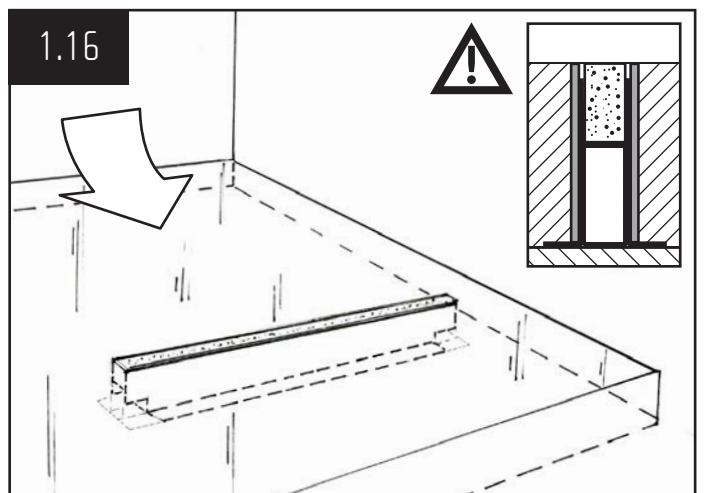
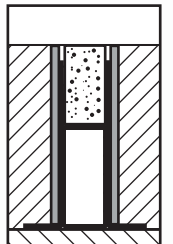
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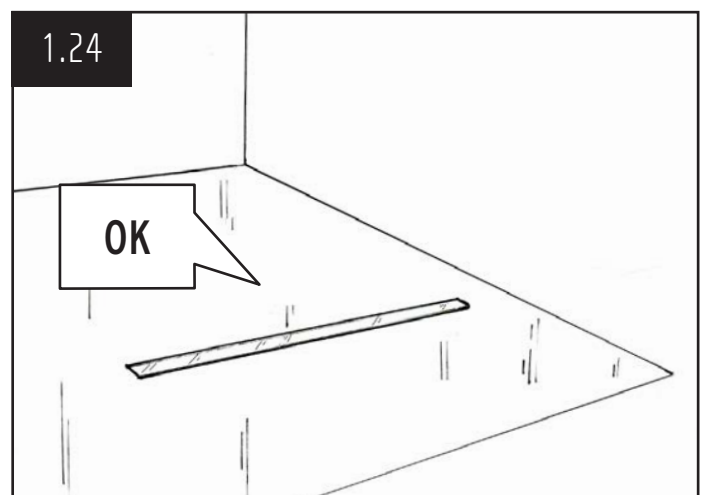
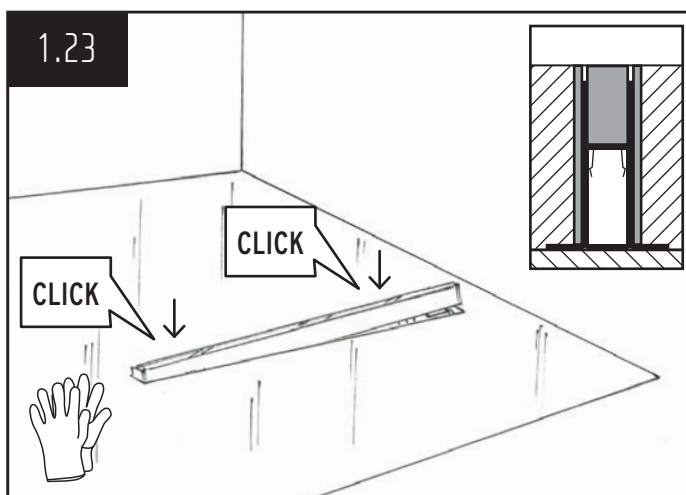
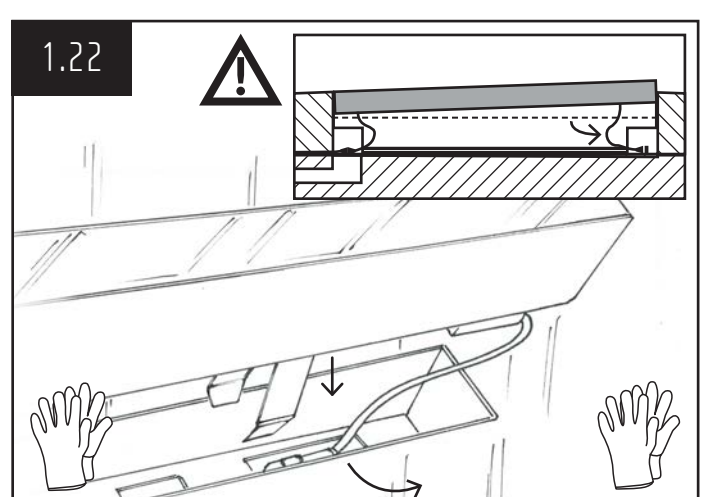
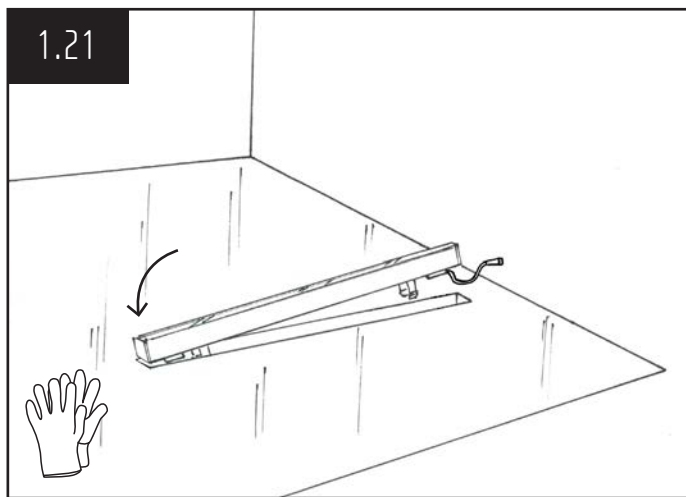
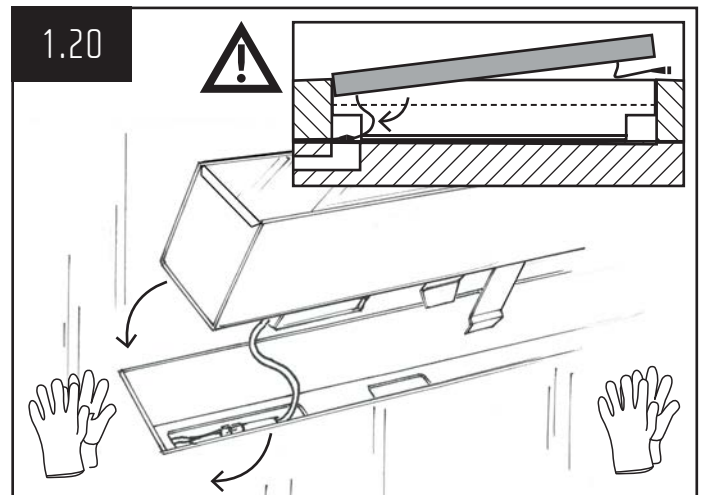
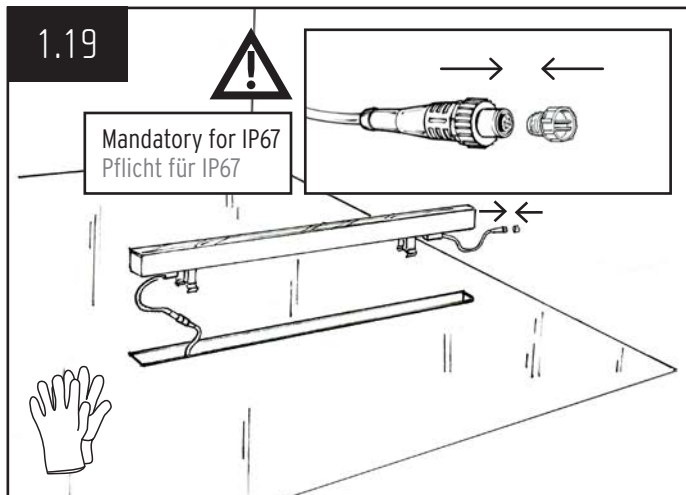
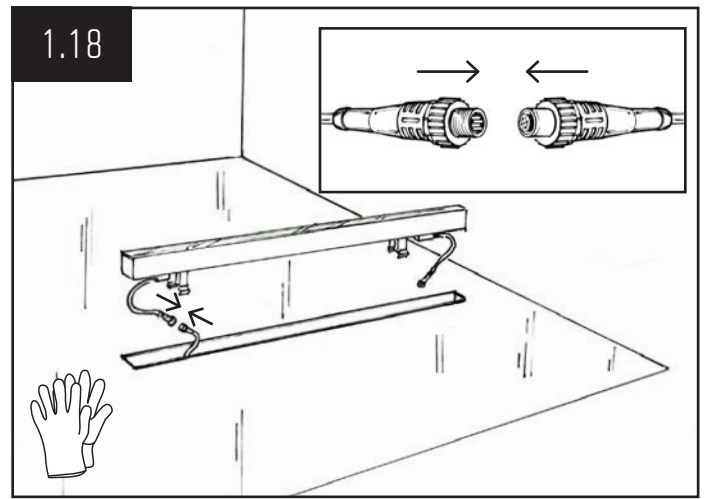
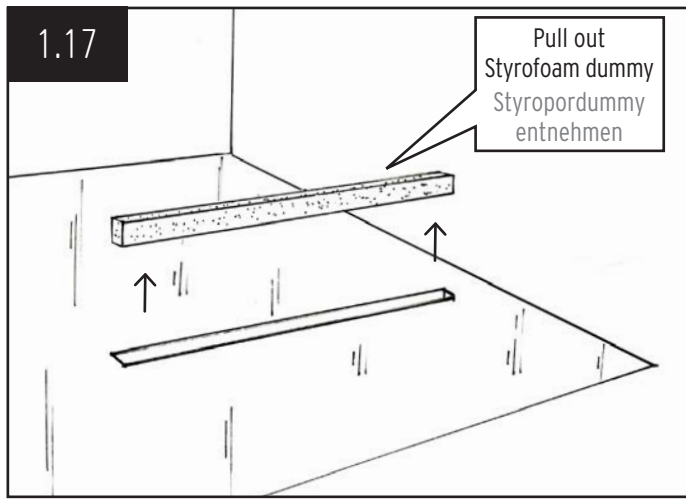
foil
Foliefoil
Folie

1.15

Cover side surfaces
with insulation strip
Seitenflächen mit
Dämmstreifen verkleidenInsulation strips must be at least
flush with the duct, preferably
flush with the concrete
Dämmstreifen muss mindestens
bündig mit dem Kanal sein,
besser bündig mit dem BetonOnly for concrete/screed installation
Nur bei Beton/Estrich Einbau

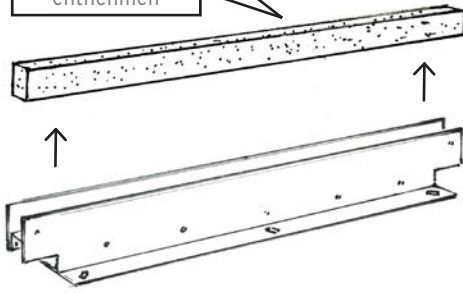
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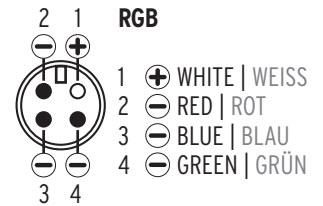
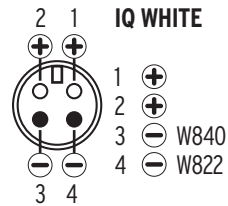
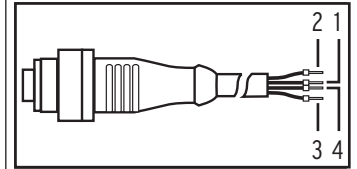
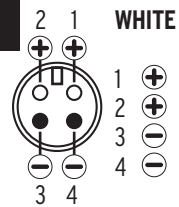


2.1

Pull out
Styrofoam dummy
Styropordummy
entnehmen

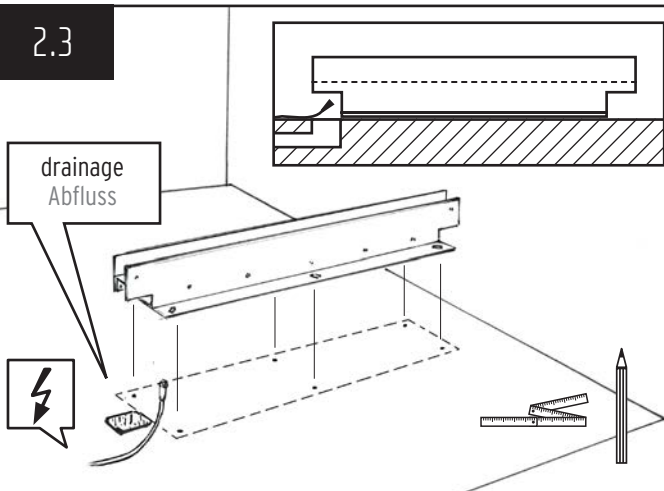


2.2

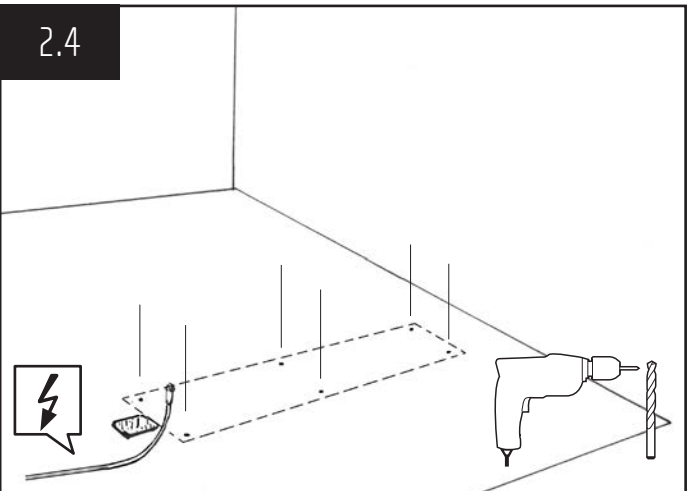


2.3

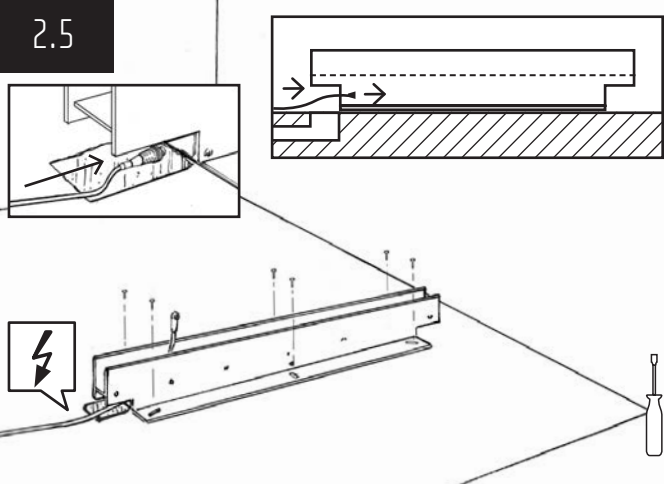
drainage
Abfluss



2.4

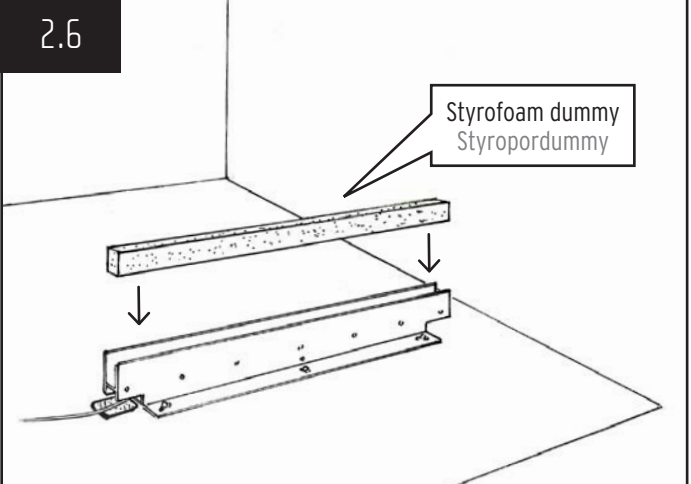


2.5



2.6

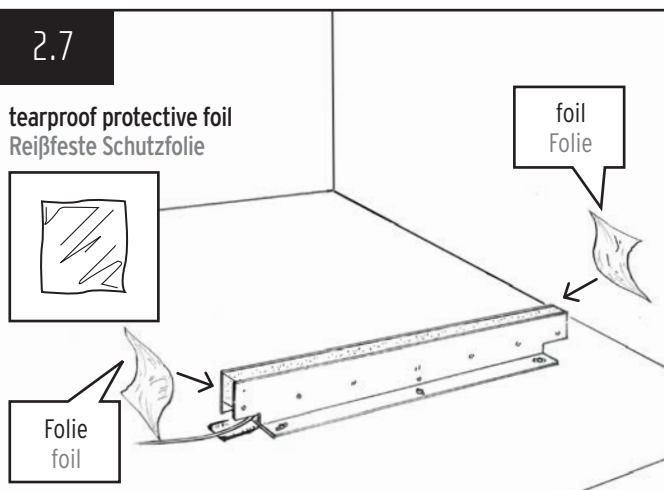
Styrofoam dummy
Styropordummy



2.7

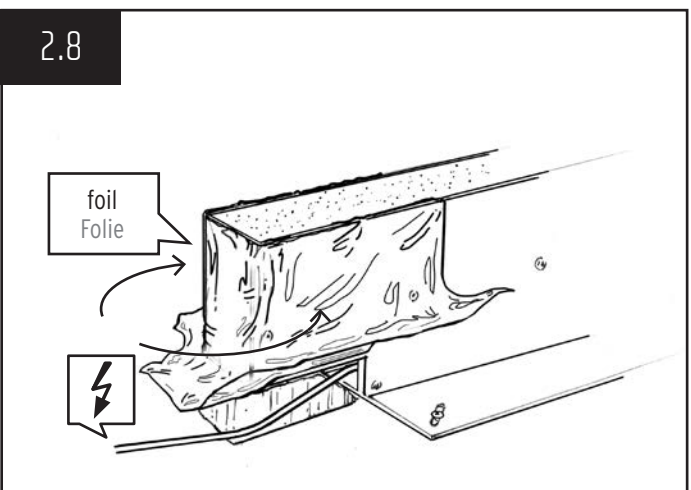
tearproof protective foil
Reißfeste Schutzfolie

foil
Folie

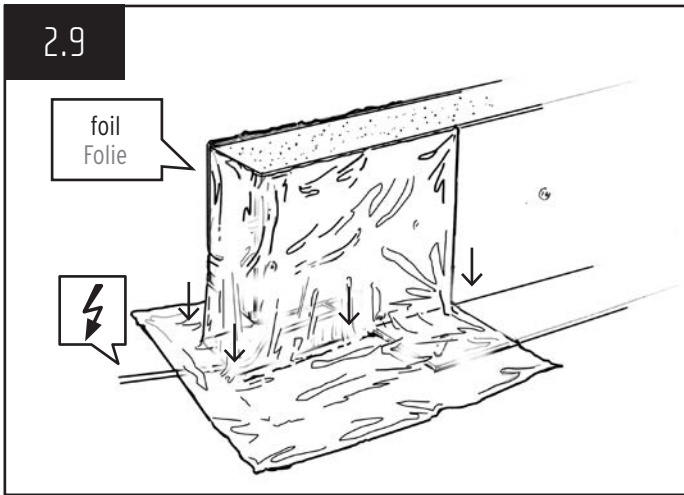


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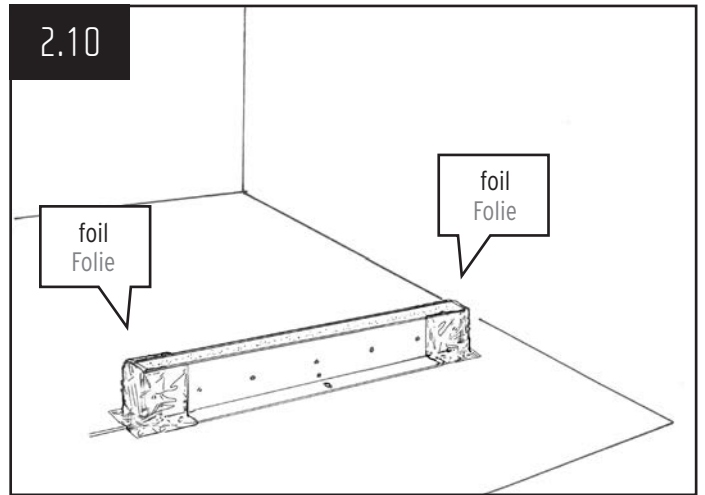
foil
Folie



2.9

foil
Folie

2.10

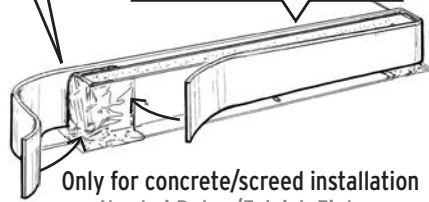
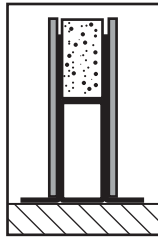
foil
Foliefoil
Folie

2.11



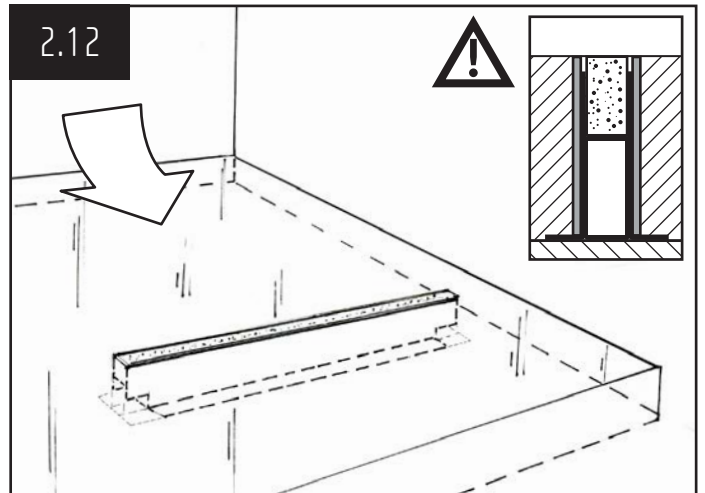
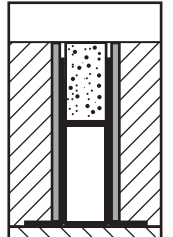
Cover side surfaces
with insulation strip
Seitenflächen mit
Dämmstreifen verkleiden

Insulation strips must be at least
flush with the duct, preferably
flush with the concrete
Dämmstreifen muss mindestens
bündig mit dem Kanal sein,
besser bündig mit dem Beton



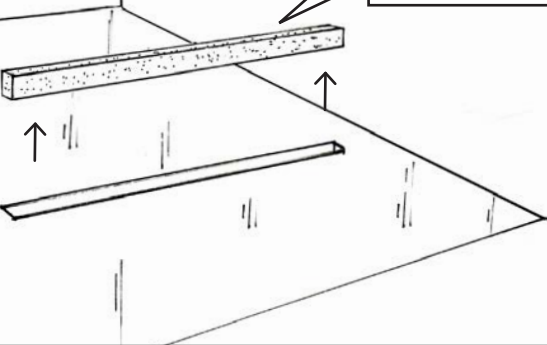
Only for concrete/screed installation
Nur bei Beton/Estrich Einbau

2.12

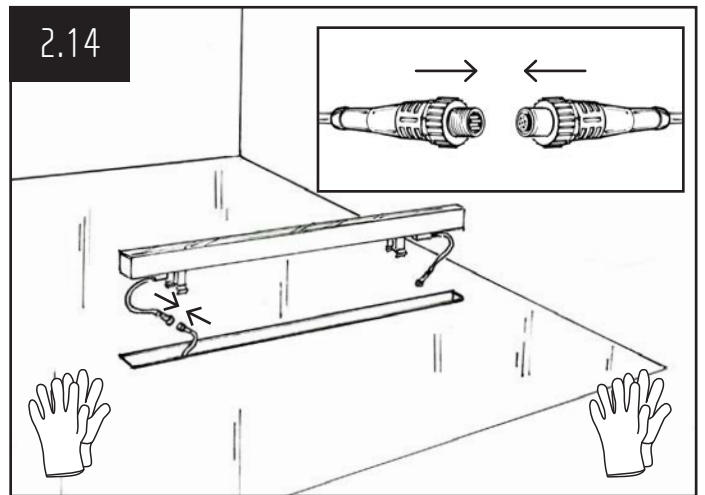
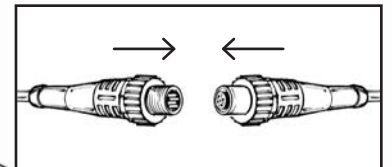


2.13

Pull out
Styrofoam dummy
Styropordummy
entnehmen



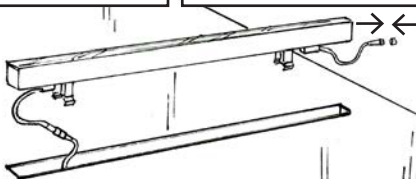
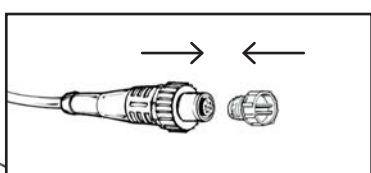
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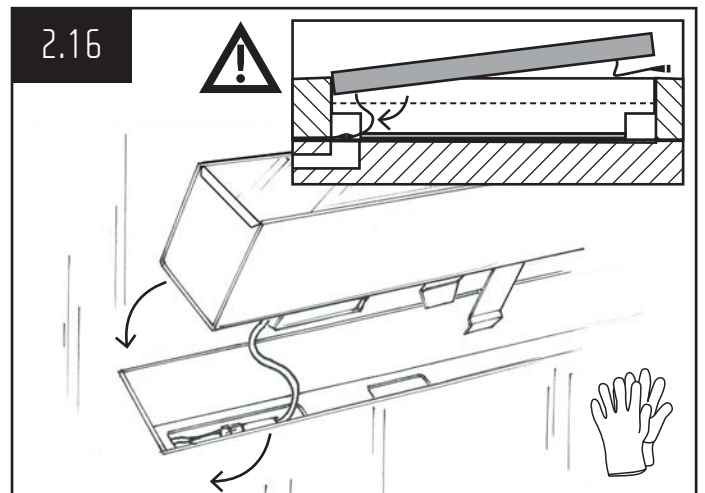
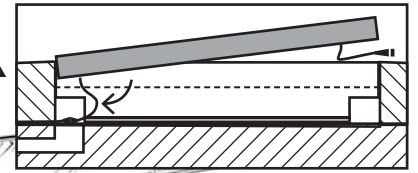
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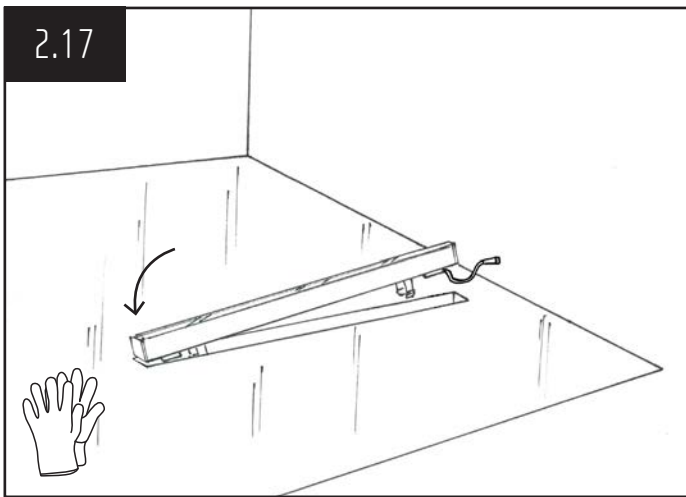
Mandatory for IP67
Pflicht für IP67



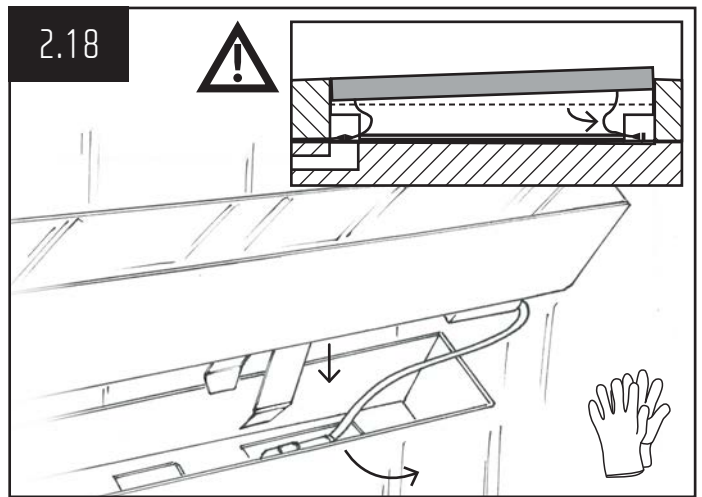
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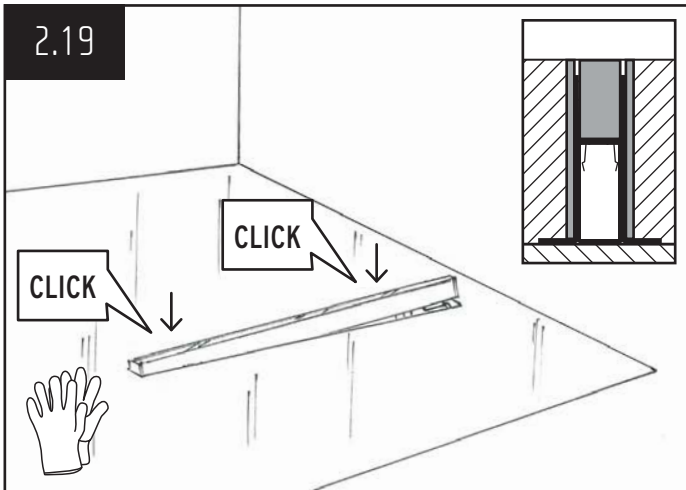
2.17



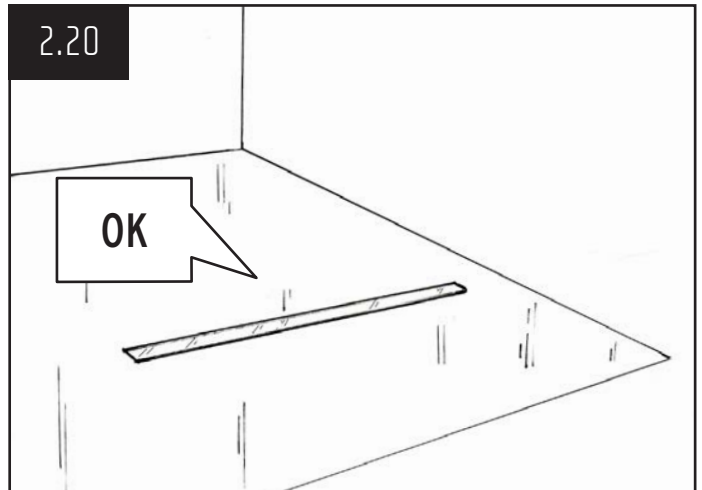
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2.19



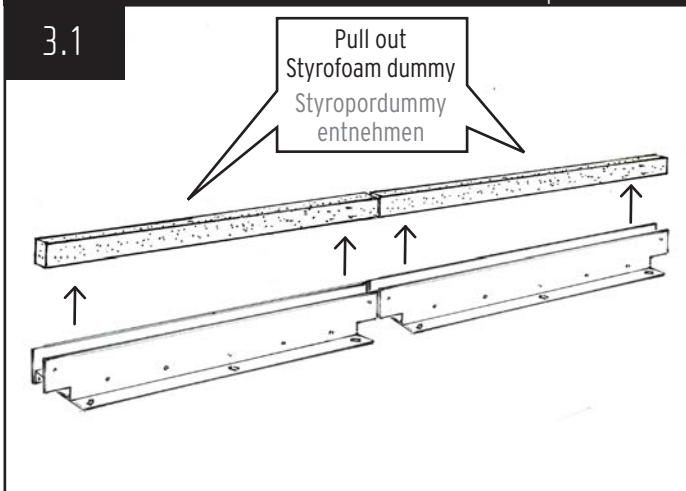
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3. MOUNTING MULTIPLE LUMINAIRES WITH ENDCAPS | EINBAU MEHRERE LEUCHTEN MIT ENDKAPPEN

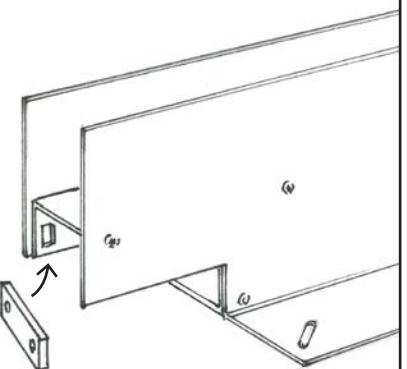
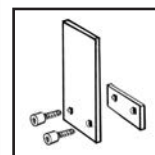
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3.1



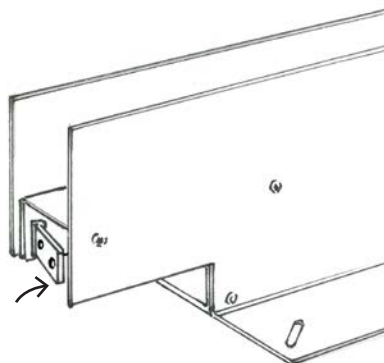
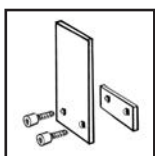
3.2

Recommended accessories
Empfohlenes Zubehör



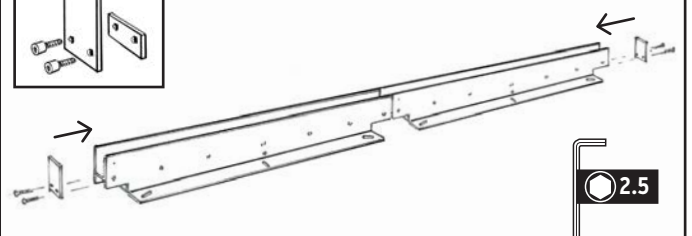
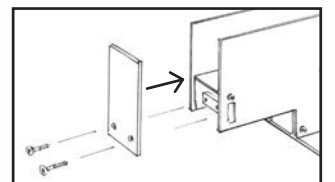
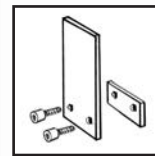
3.3

Recommended accessories
Empfohlenes Zubehör



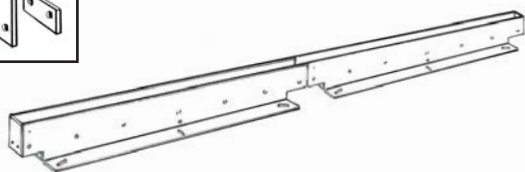
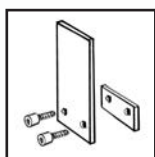
3.4

Recommended accessories
Empfohlenes Zubehör

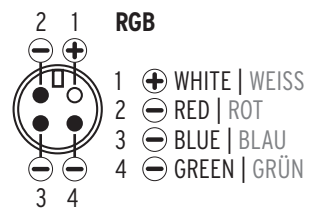
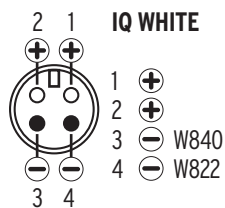
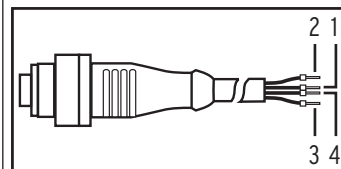
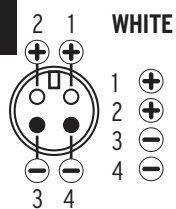


3.5

Recommended accessories Empfohlenes Zubehör

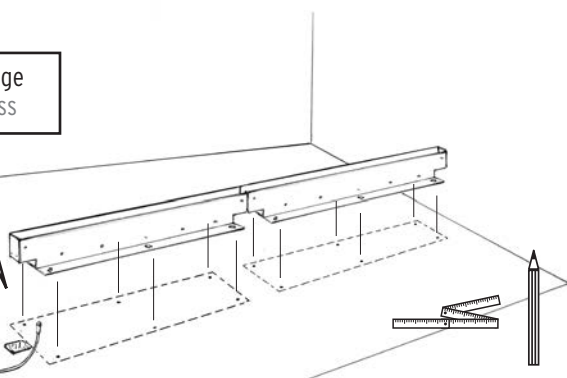


3.6

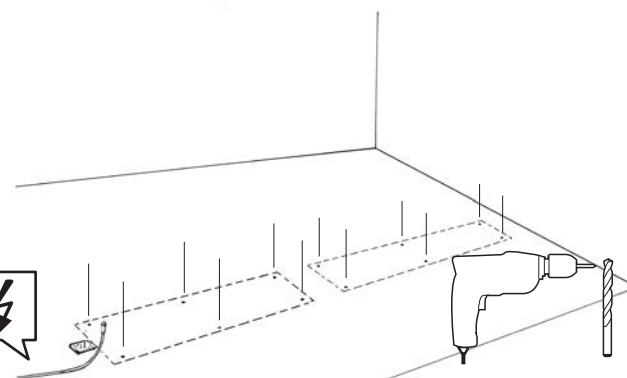


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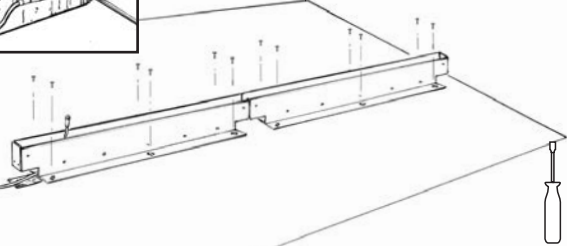
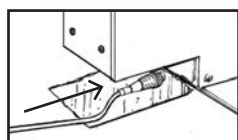
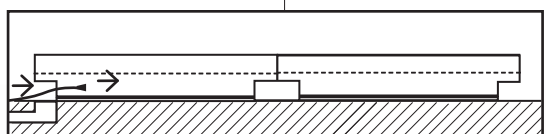
drainage
Abfluss



3.8

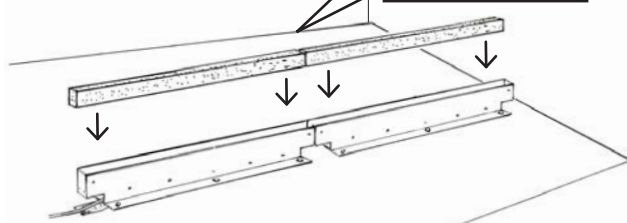


3.9



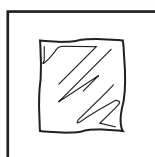
3.10

Styrofoam dummy
Styropordummy



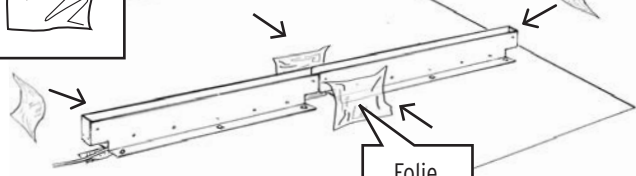
3.11

tearproof protective foil Reißfeste Schutzfolie



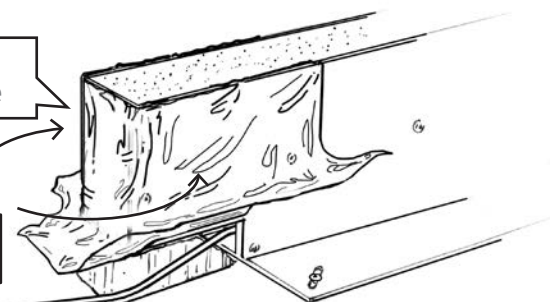
foil
Folie

Folie
foil

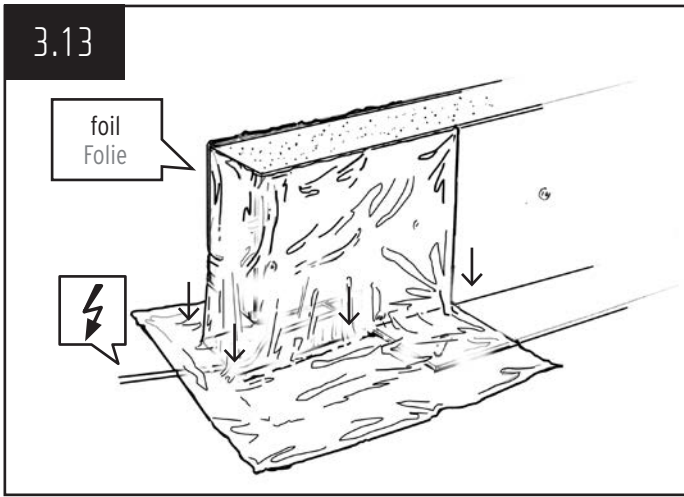


3.12

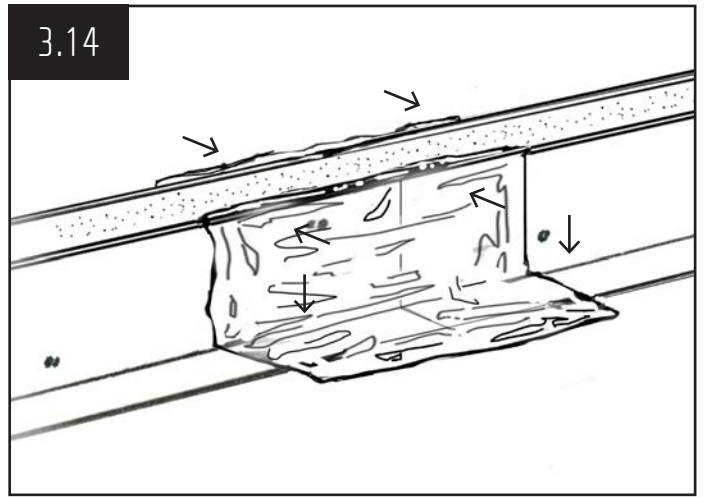
foil
Folie



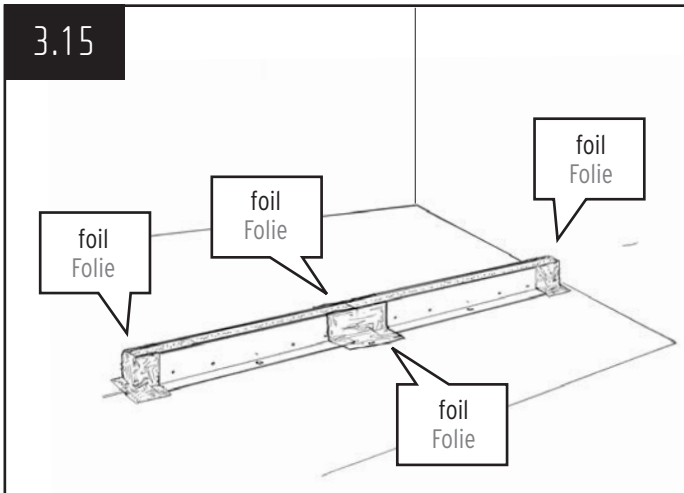
3.13

foil
Folie

3.14



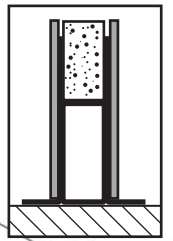
3.15

foil
Foliefoil
Foliefoil
Foliefoil
Folie

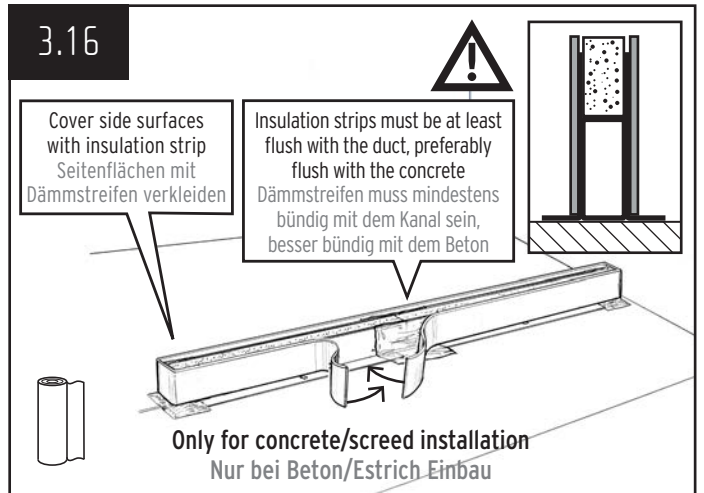
3.16

Cover side surfaces
with insulation strip
Seitenflächen mit
Dämmstreifen verkleiden

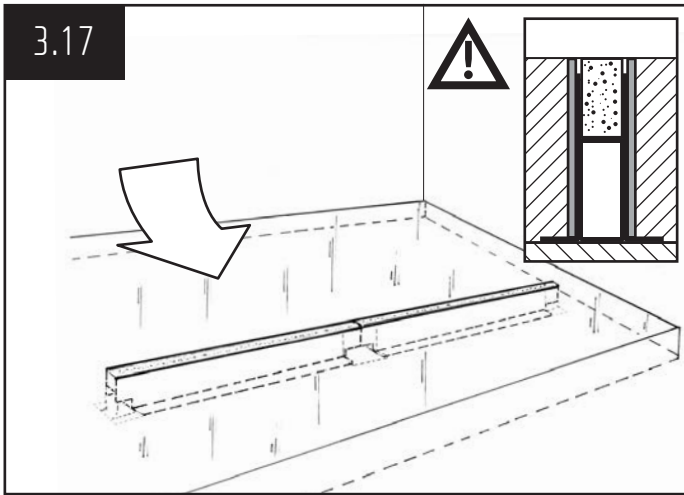
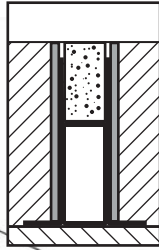
Insulation strips must be at least
flush with the duct, preferably
flush with the concrete
Dämmstreifen muss mindestens
bündig mit dem Kanal sein,
besser bündig mit dem Beton



Only for concrete/screed installation
Nur bei Beton/Estrich Einbau

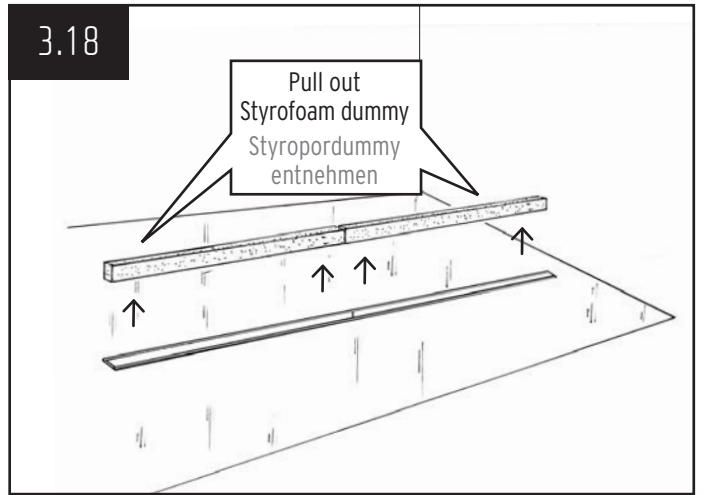


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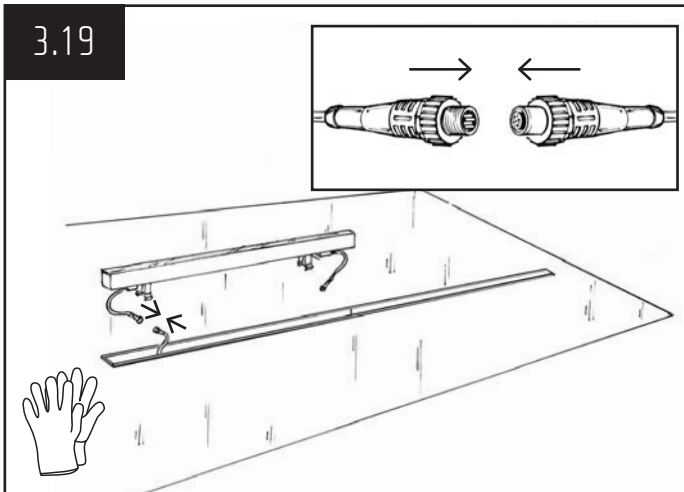
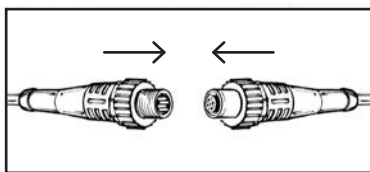


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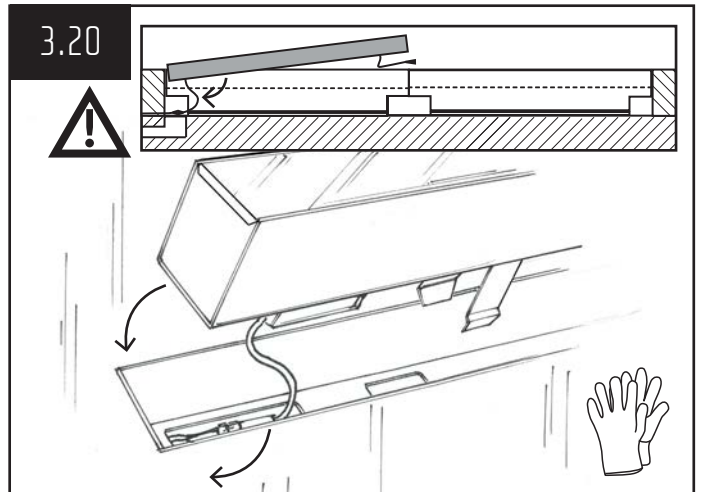
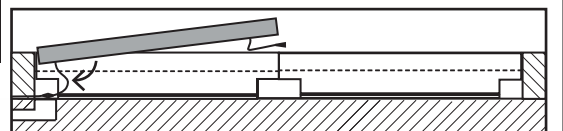
Pull out
Styrofoam dummy
Styropordummy
entnehmen



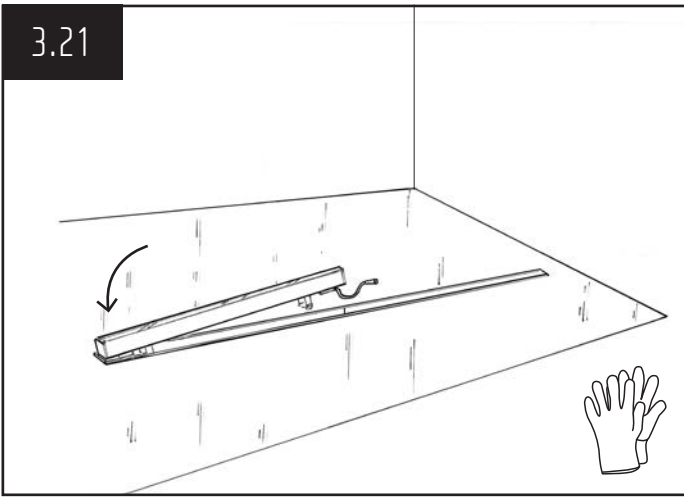
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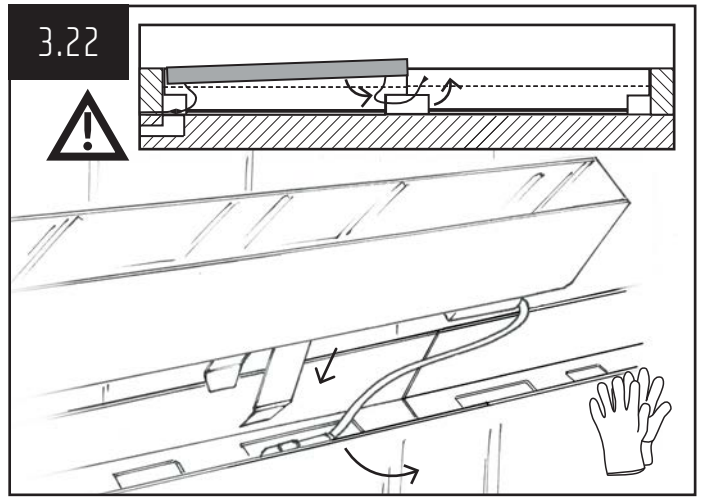
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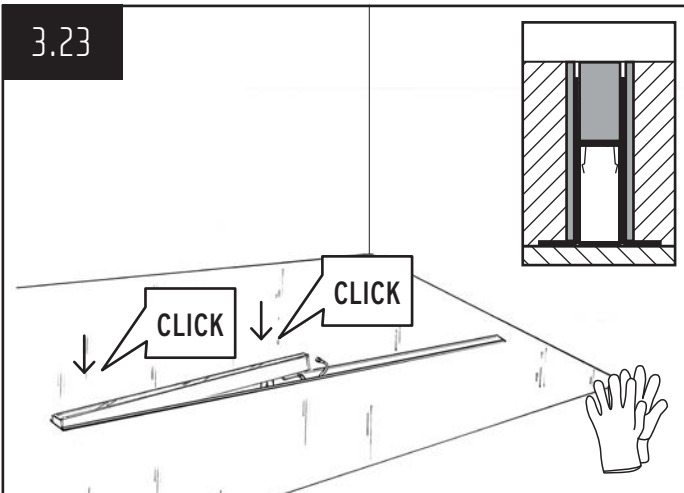
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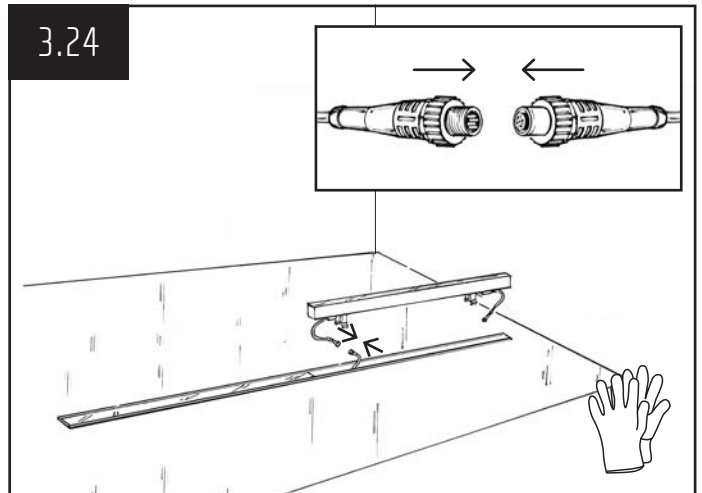
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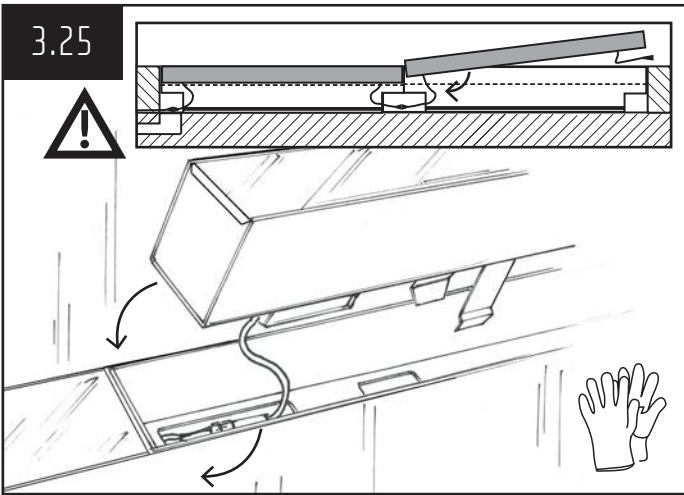
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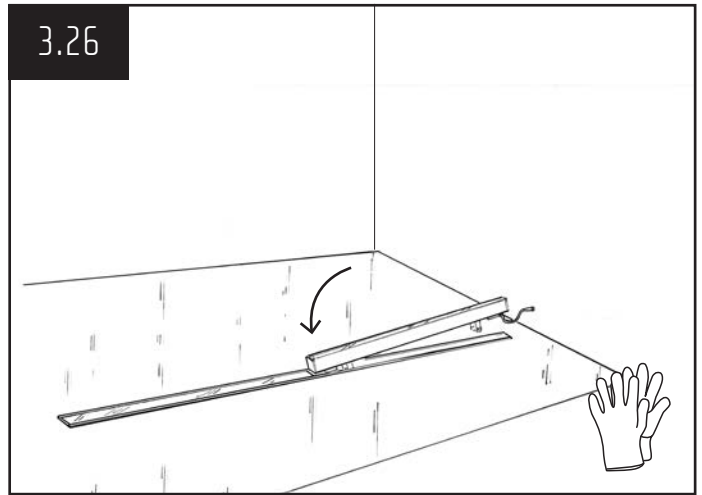
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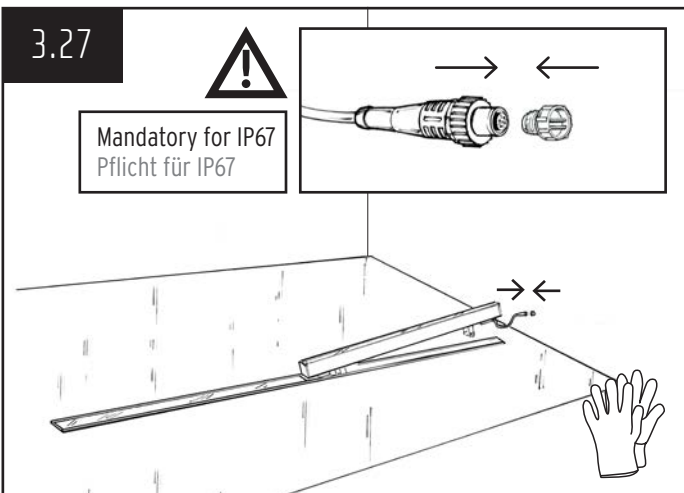
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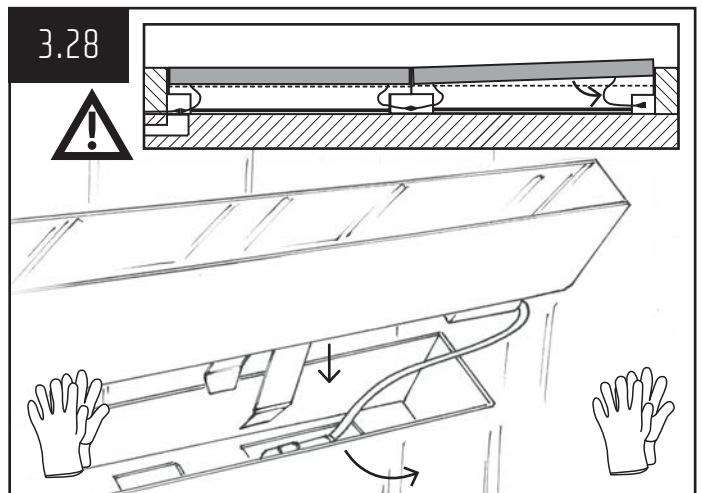
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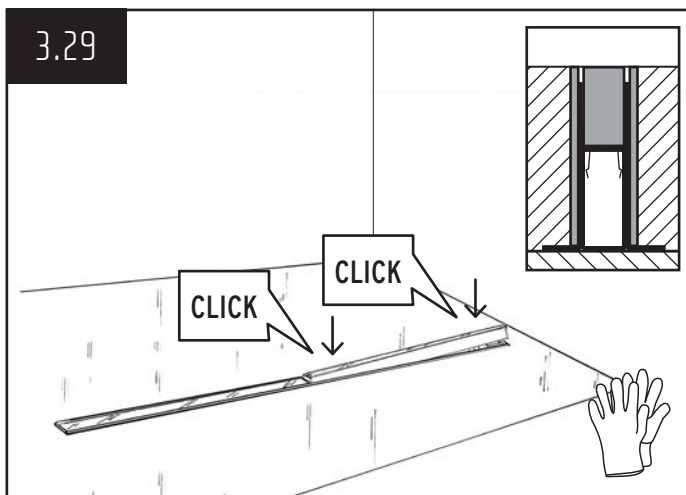
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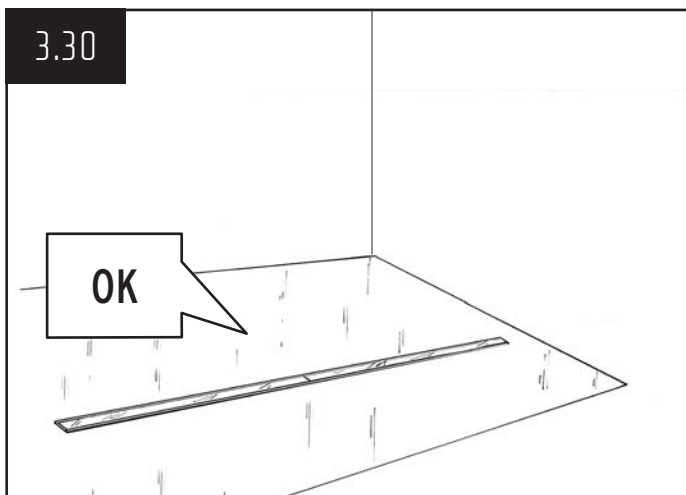
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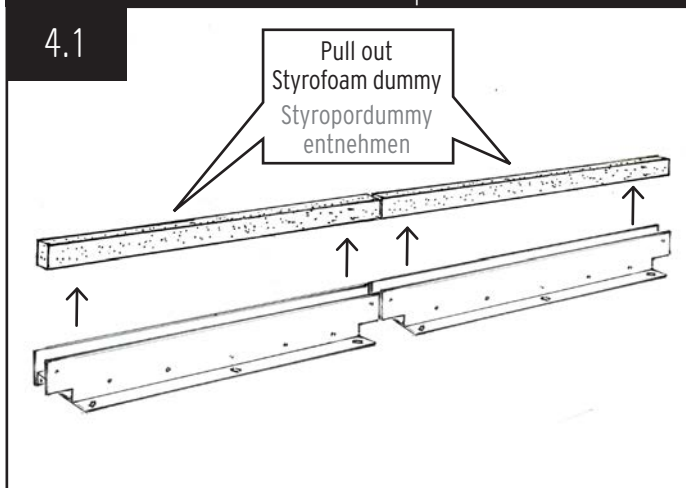
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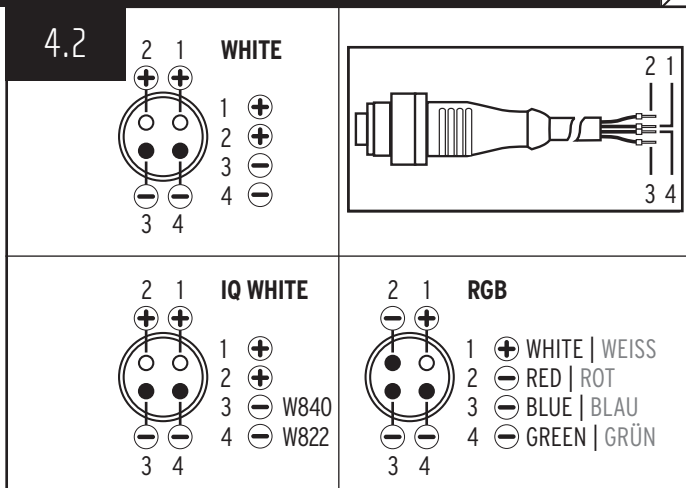
4. MOUNTING MULTIPLE LUMINAIRES | EINBAU MEHRERE LEUCHTEN

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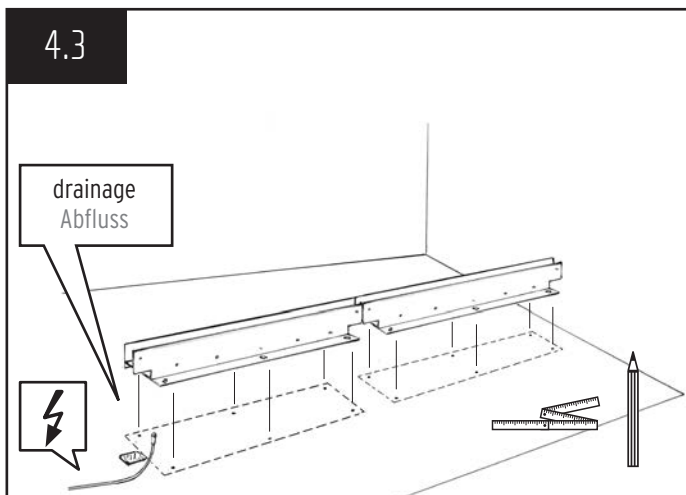
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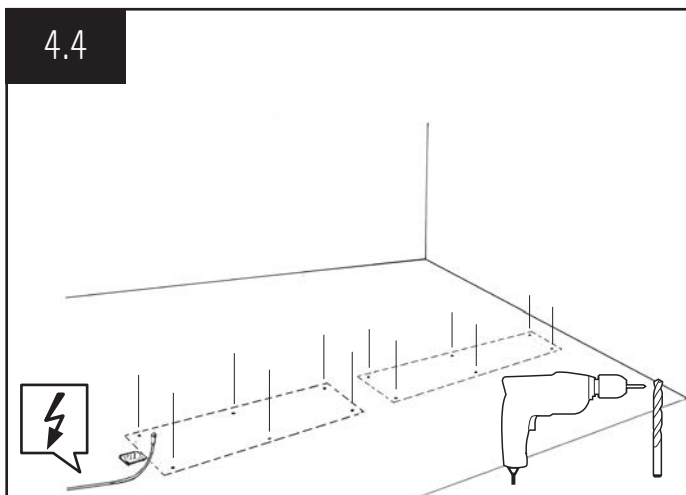
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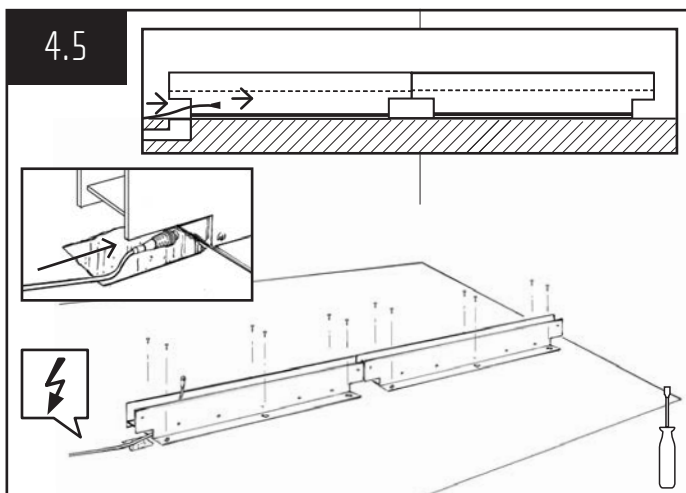
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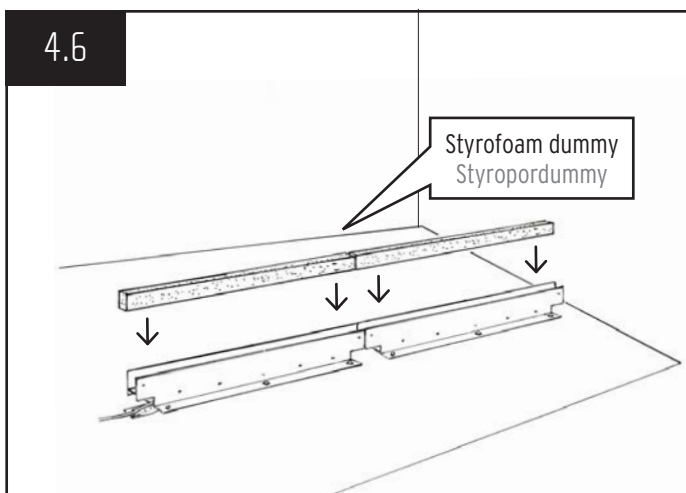
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4.5

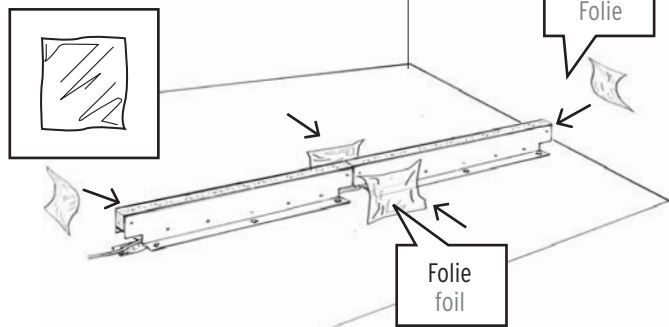


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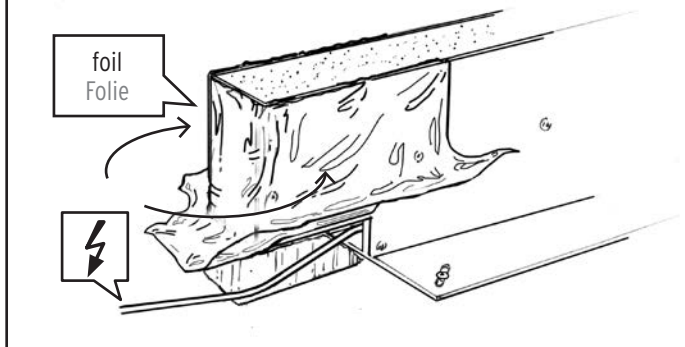


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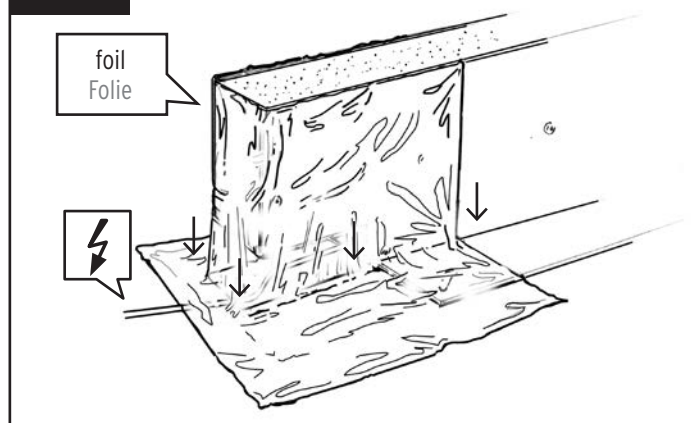
tearproof protective foil
Reißfeste Schutzfolie



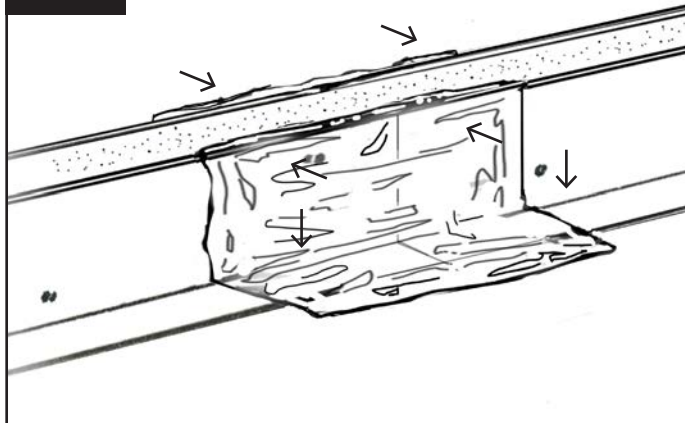
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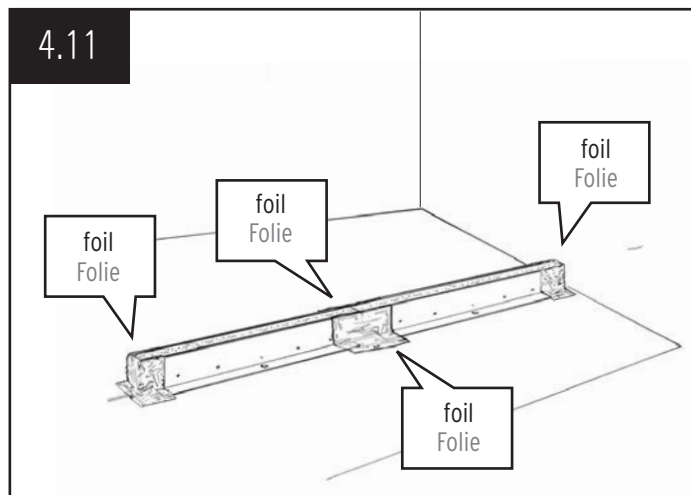
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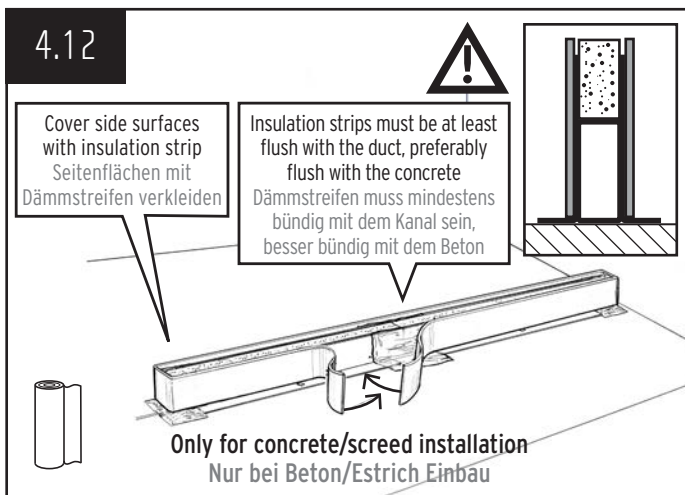
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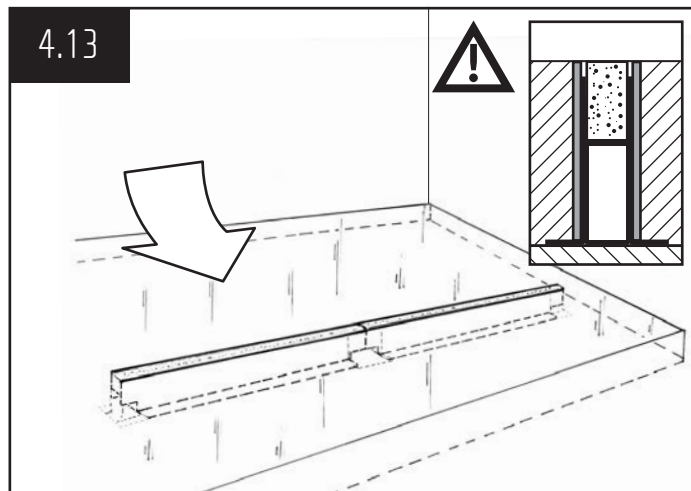
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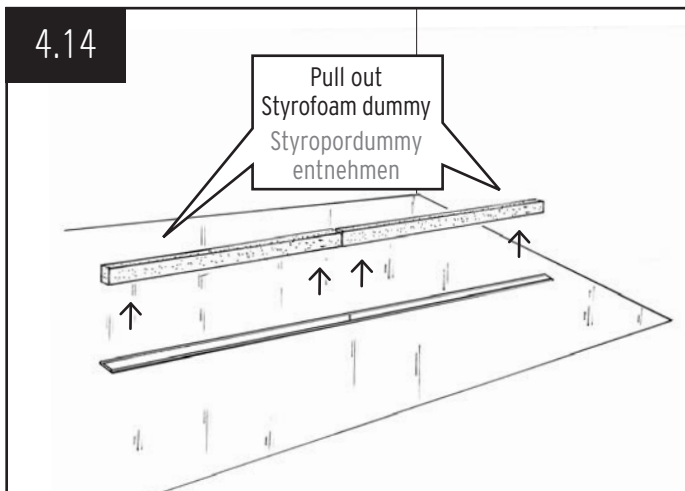
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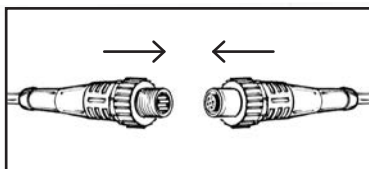
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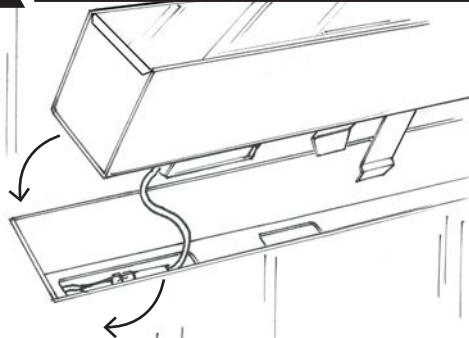
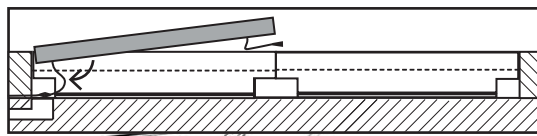
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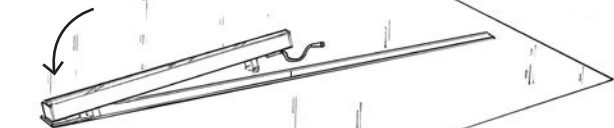
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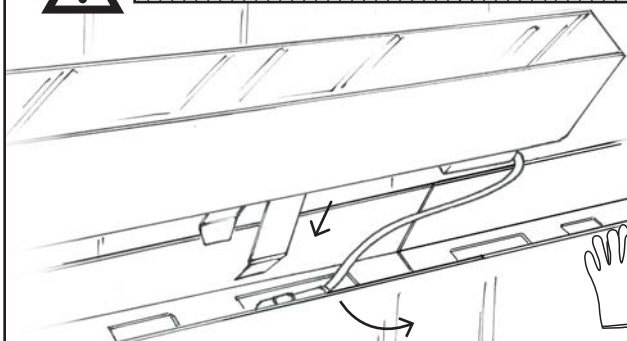
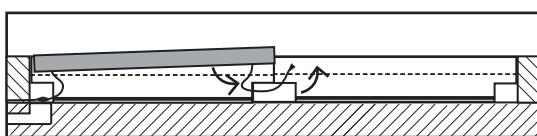
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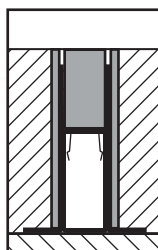
4.17



4.18



4.19

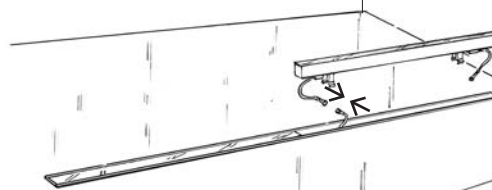
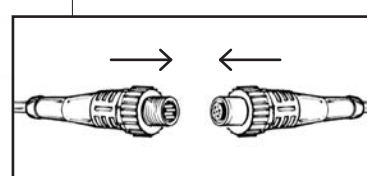


CLICK

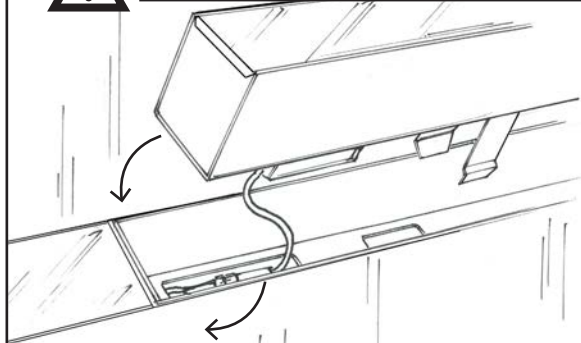
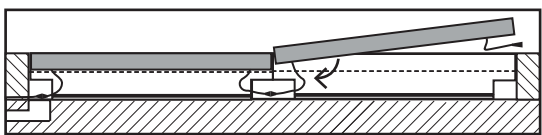
CLICK



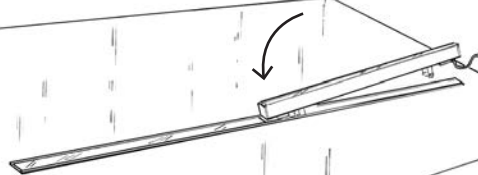
4.20



4.21



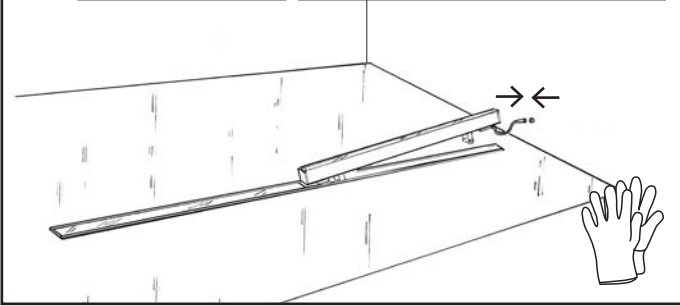
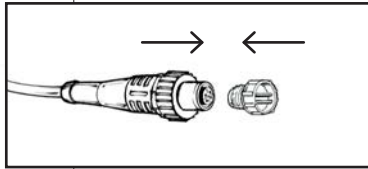
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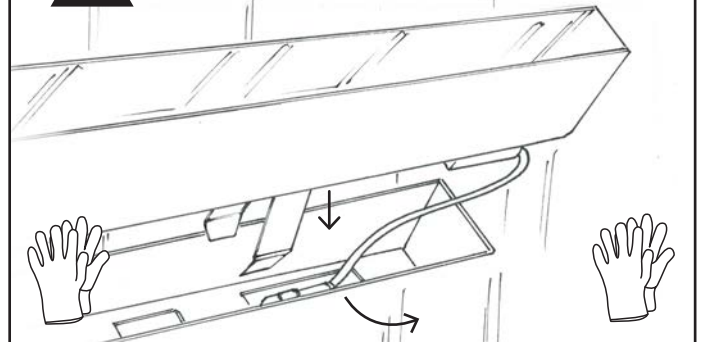
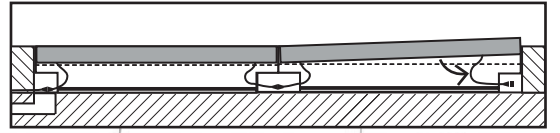
4.23



Mandatory for IP67
Pflicht für IP67



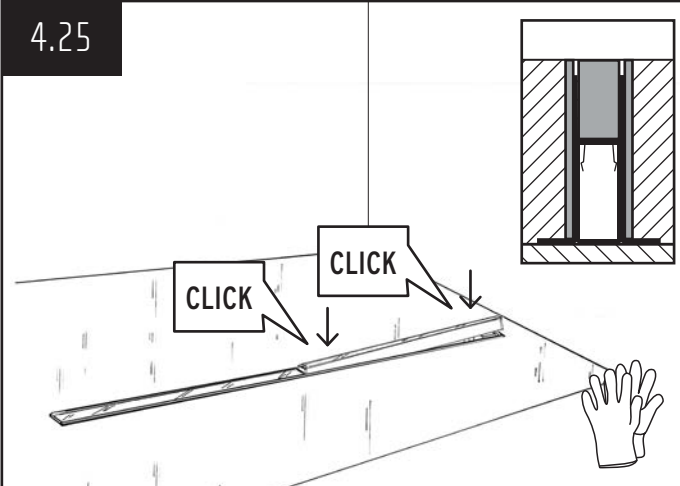
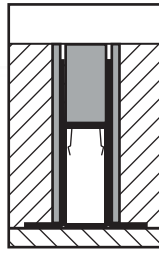
4.24



4.25

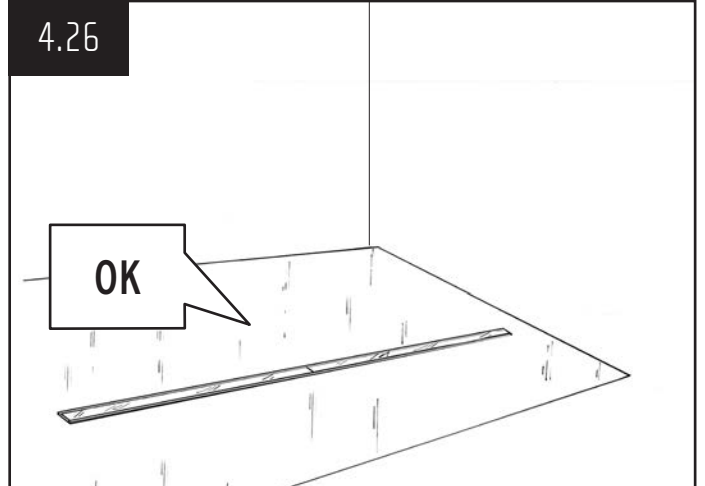
CLICK

CLICK



4.26

OK

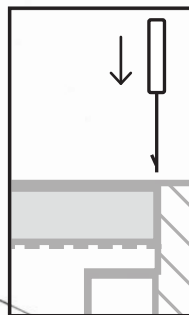


5. DISASSEMBLY | DEMONTAGE

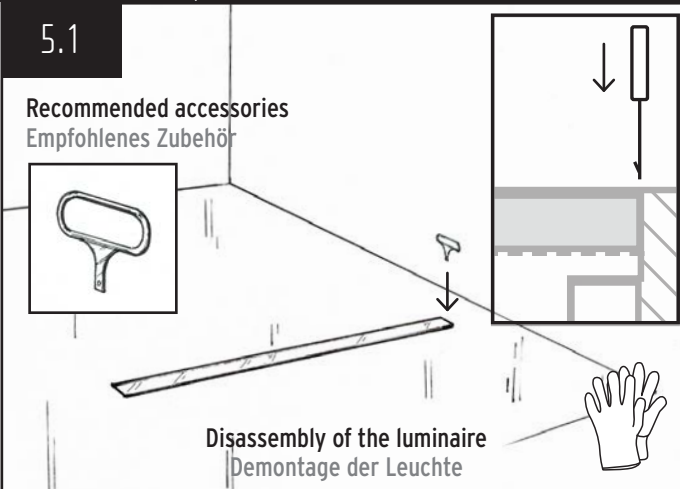
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5.1

Recommended accessories
Empfohlenes Zubehör



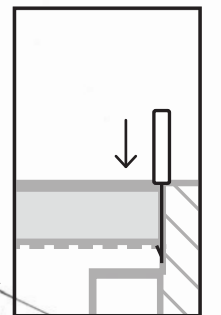
Disassembly of the luminaire
Demontage der Leuchte



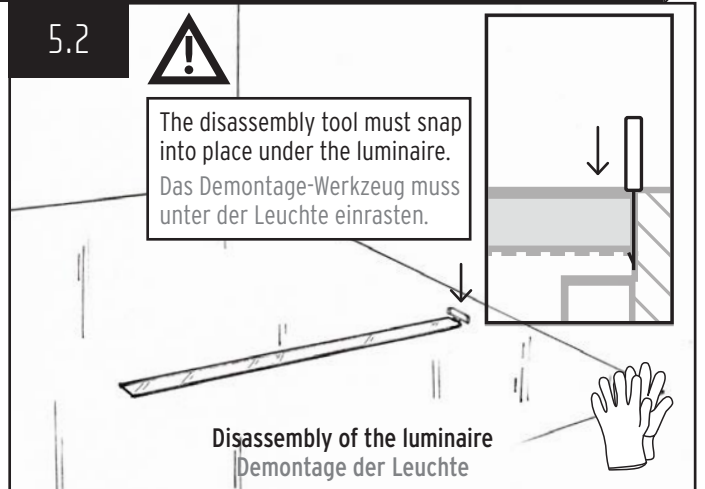
5.2



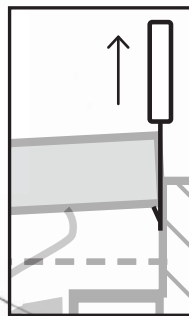
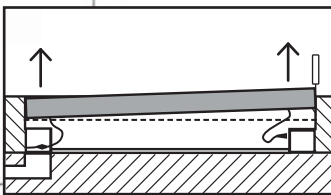
The disassembly tool must snap
into place under the luminaire.
Das Demontage-Werkzeug muss
unter der Leuchte einrasten.



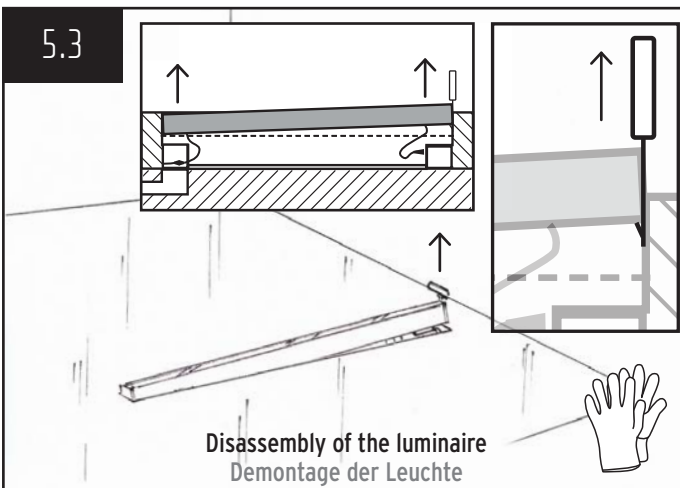
Disassembly of the luminaire
Demontage der Leuchte



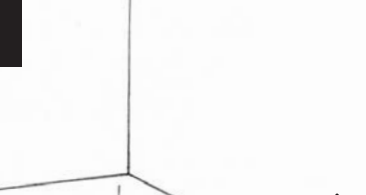
5.3



Disassembly of the luminaire
Demontage der Leuchte



5.4



Disassembly of the luminaire
Demontage der Leuchte

