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LED LINEAR™

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ADONIS IP67

INSTALLATION INSTRUCTIONS
MONTAGEANLEITUNG

To meet International DarkSky criteria, luminaires with a delivered CCT of 3000K or warmer must be selected and luminaire fix mounted.
The following mounting options are permitted:
SH - Surface mounting horizontal
ML - Mounting lock
A general DarkSky approval refers to a downward-directed luminaire arrangement (nadir).

Um die internationalen DarkSky-Kriterien zu erfüllen, müssen Leuchten mit einem CCT-Wert von 3000K oder wärmer gewählt und die Leuchte fest montiert werden.
Erlaubt sind hierbei folgende Montageoptionen:
SH – Anbau Horizontal
ML – Anbau mit Verschraubung.
Eine generelle DarkSky-Freigabe bezieht sich auf eine abwärtsgerichtete Leuchtenanordnung (Nadir).

FIND THE RIGHT ASSEMBLY STEPS | FINDEN SIE DIE RICHTIGEN MONTAGESCHRITTE

Find the correct assembly steps using the order code on the label located on the feed-in cable.
Finden Sie die richtigen Montageschritte mit Hilfe des Ordercodes auf dem Etikett, das sich am Einspeisekabel befindet.

EXAMPLE | BEISPIEL

ADONIS TW24 HE24 2240 W 60A 00**SH** 1014 IP67 — ORDERCODE **SH**

1. SURFACE MOUNTING HORIZONTAL | ANBAU HORIZONTAL

ORDERCODE **SH**



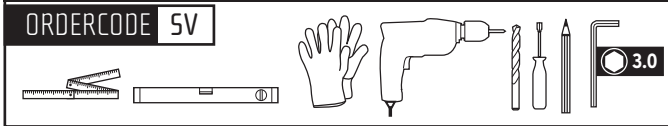
Required tools
Erforderliches Werkzeug

Included accessories
Enthaltenes Zubehör



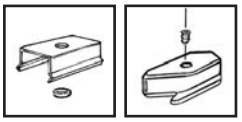
2. SURFACE MOUNTING VERTICAL | ANBAU VERTIKAL

ORDERCODE **SV**



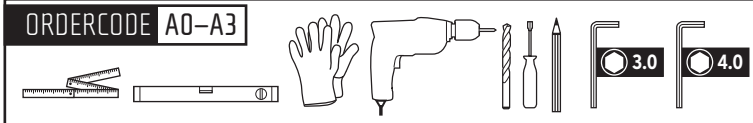
Required tools
Erforderliches Werkzeug

Included accessories
Enthaltenes Zubehör



3. SURFACE MOUNTING ADJUSTABLE ARM | ANBAU ARM VERSTELLBAR

ORDERCODE **A0–A3**



Required tools
Erforderliches Werkzeug

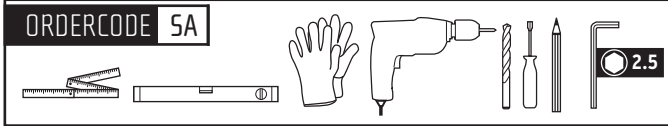
Included accessories
Enthaltenes Zubehör



Ask for optional drainage adjustment when ordering the luminaire.
Optionale Drainage Anpassung bei der Leuchtenbestellung anfragen.

4. SURFACE MOUNTING ADJUSTABLE | ANBAU VERSTELLBAR

ORDERCODE **SA**



Required tools
Erforderliches Werkzeug

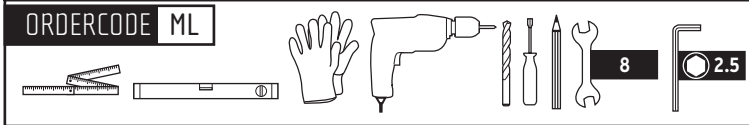
Included accessories
Enthaltenes Zubehör



Ask for optional drainage adjustment when ordering the luminaire.
Optionale Drainage Anpassung bei der Leuchtenbestellung anfragen.

5. MOUNTING LOCK | ANBAU MIT VERSCHRAUBUNG

ORDERCODE **ML**



Required tools
Erforderliches Werkzeug

Included accessories
Enthaltenes Zubehör



Ask for optional drainage adjustment when ordering the luminaire.
Optionale Drainage Anpassung bei der Leuchtenbestellung anfragen.

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MADE IN GERMANY

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Art. # 33100076-04

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ADONIS IP67

INSTALLATION INSTRUCTIONS
MONTAGEANLEITUNG

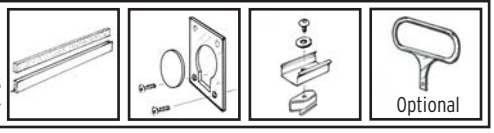
6. INGOUND FRAME | EINBAURAHMEN

ORDERCODE IF



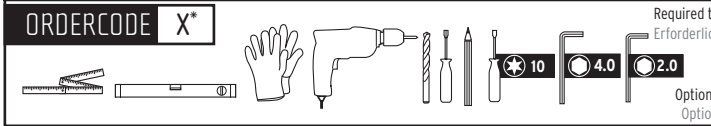
Required tools
Erforderliches Werkzeug

Included accessories
Enthaltenes Zubehör



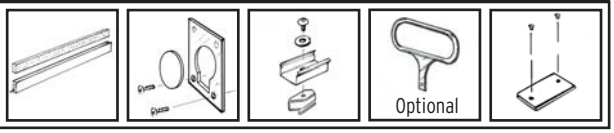
7. OPTIONAL: INGROUND FRAME LIGHTLINE | EINBAURAHMEN LICHTLINIE

ORDERCODE X*



Required tools
Erforderliches Werkzeug

Optional accessories
Optionales Zubehör



* with optional mounting accessory | * mit optionalem Montagezubehör

8. OPTIONAL: INGROUND FRAME DISASSEMBLY | OPTIONAL: EINBAURAHMEN DEMONTAGE



Required tools
Erforderliches Werkzeug

Required accessories
Erforderliches Zubehör



9. OPTIONAL: ASSEMBLY GLARE SHIELD | MONTAGE BLENDSCHUTZ

ORDERCODE SH | SV | ML



Required tools
Erforderliches Werkzeug

Optional accessories
Optionales Zubehör



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ADONIS IP67

INSTALLATION INSTRUCTIONS
MONTAGEANLEITUNG

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 Electronical 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 Power supply units 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.
- 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.
- Ensure that the recessed version is not covered with insulating material or other objects.

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 lösungsmittelfreie 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 Electronical 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

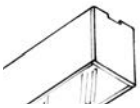
- Überprüfen Sie die Spannungsfreiheit des Systems vor Montage und Wartung. Achtung Stromschlaggefahr!
- Setzen Sie nur für die Produkte qualifizierte Dimmer und Netzteile mit geeigneter Netzspannung ein. Nicht geeignete Komponenten können das Gesamtsystem beschädigen. Geeignete Produkte finden Sie in 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.
- Schützen Sie die elektronischen Betriebsgeräte vor Überspannung.

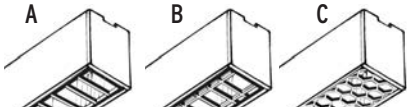
Umgebung

- 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.
- Achten Sie darauf, dass die Einbauvariante nicht mit Dämmmaterial oder anderen Gegenständen abgedeckt wird.

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ADONIS OPTICS	ADONIS OPAL	ADONIS SOFT DIFFUSE	ADONIS OPTICS WITH ENCAPSULATED LOUVER



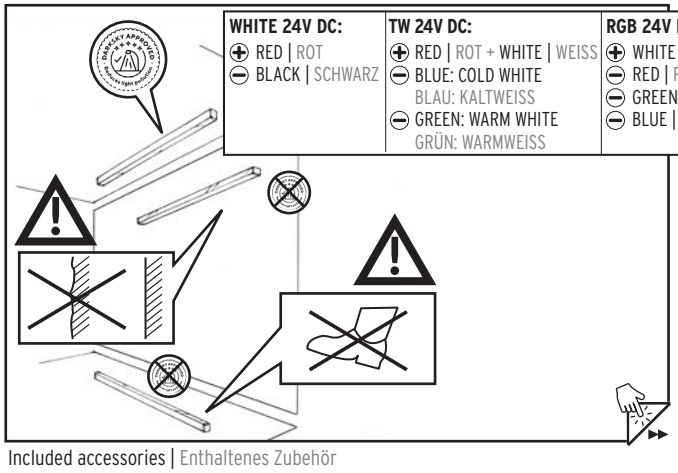



1. SURFACE MOUNTING HORIZONTAL 1.1–1.8
ANBAU HORIZONTAL

ORDERCODE **5H**



WHITE 24V DC:	TW 24V DC:	RGB 24V DC:
⊕ RED | ROT	⊕ RED | ROT + WHITE | WEISS	⊕ WHITE | WEISS
⊖ BLACK | SCHWARZ	⊖ BLUE: COLD WHITE BLAU: KALTWEISS	⊖ RED | ROT
	⊖ GREEN: WARM WHITE GRÜN: WARMWEISS	⊖ GREEN | GRÜN
		⊖ BLUE | BLAU



Included accessories | Enthaltenes Zubehör



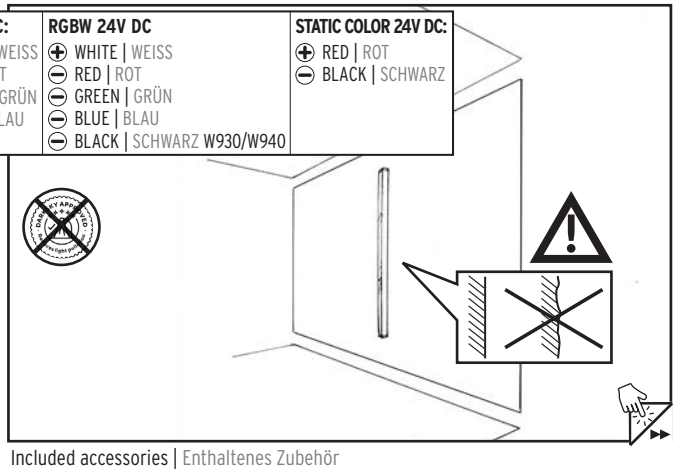
Art. # 13000202

2. SURFACE MOUNTING VERTICAL 2.1–2.10
ANBAU VERTIKAL

ORDERCODE **5V**



RGBW 24V DC	STATIC COLOR 24V DC:
⊕ WHITE | WEISS	⊕ RED | ROT
⊖ RED | ROT	⊖ BLACK | SCHWARZ
⊖ GREEN | GRÜN	
⊖ BLUE | BLAU	
⊖ BLACK | SCHWARZ W930/W940	



Included accessories | Enthaltenes Zubehör



Art. # 13000202



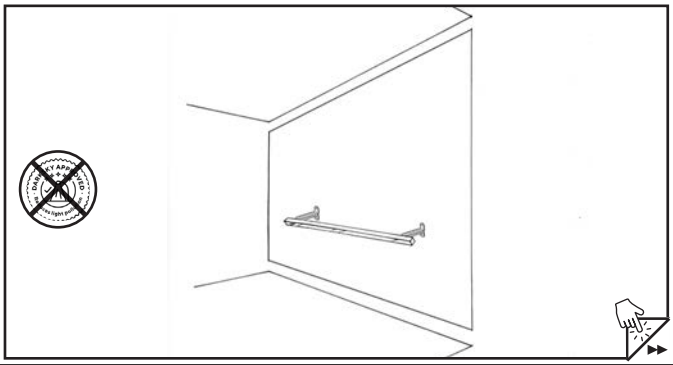
Art. # #13000287

Length (mm) Länge (feet)	Number of mounting accessories Anzahl der Befestigungen
0 - 264 | 0 - 0.87	1
265 - 1014 | 0.87 - 3.33	2
1015 - 1514 | 3.33 - 4.97	3
1515 - 2014 | 4.97 - 6.61	4
2015 - 2514 | 6.61 - 8.25	5
2515 - 3014 | 8.25 - 9.89	6
3015 - 3514 | 9.89 - 11.53	7
3515 - 4014 | 11.53 - 13.17	8

3. SURFACE MOUNTING ADJUSTABLE ARM 3.1–3.12
ANBAU ARM VERSTELLBAR

ORDERCODE **A0–A3**





Included accessories
Enthaltenes Zubehör

	A0	A1	A2	A3
WHITE | WEISS	Art. # 13000487A-9003-0040	Art. # 13000487A-9003-0100	Art. # 13000487A-9003-0200	Art. # 13000487A-9003-0300
GREY | GRAU	Art. # 13000487A-9022-0040	Art. # 13000487A-9022-0100	Art. # 13000487A-9022-0200	Art. # 13000487A-9022-0300
BLACK | SCHWARZ	Art. # 13000487A-9004-0040	Art. # 13000487A-9004-0100	Art. # 13000487A-9004-0200	Art. # 13000487A-9004-0200

Length (mm) Länge (feet)	Number of mounting accessories Anzahl der Befestigungen
0 - 264 | 0 - 0.87	1
265 - 1014 | 0.87 - 3.33	2
1015 - 2014 | 3.33 - 6.61	3
2015 - 3014 | 6.61 - 9.89	4
3015 - 4014 | 9.84 - 13.17	5

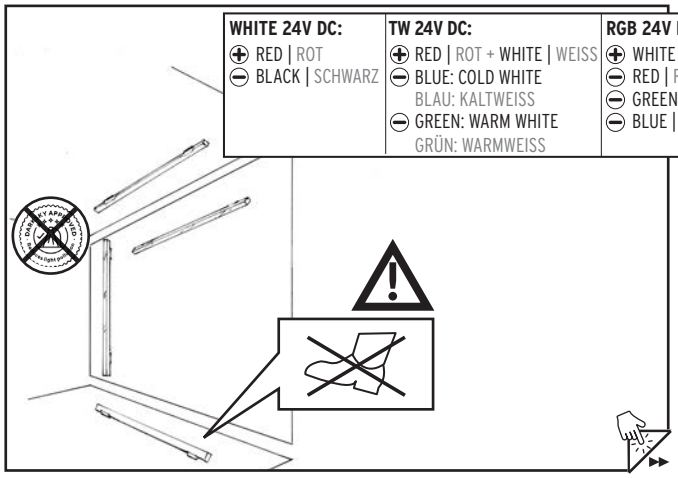
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4. SURFACE MOUNTING ADJUSTABLE 4.1–4.11
ANBAU VERSTELLBAR

ORDERCODE **SA**

WHITE 24V DC:	TW 24V DC:	RGB 24V DC:
⊕ RED | ROT	⊕ RED | ROT + WHITE | WEISS	⊕ WHITE | WEISS
⊖ BLACK | SCHWARZ	⊖ BLUE: COLD WHITE BLAU: KALTWEISS	⊖ RED | ROT
	⊖ GREEN: WARM WHITE GRÜN: WARMWEISS	⊖ GREEN | GRÜN
		⊖ BLUE | BLAU



Included accessories | Enthaltenes Zubehör



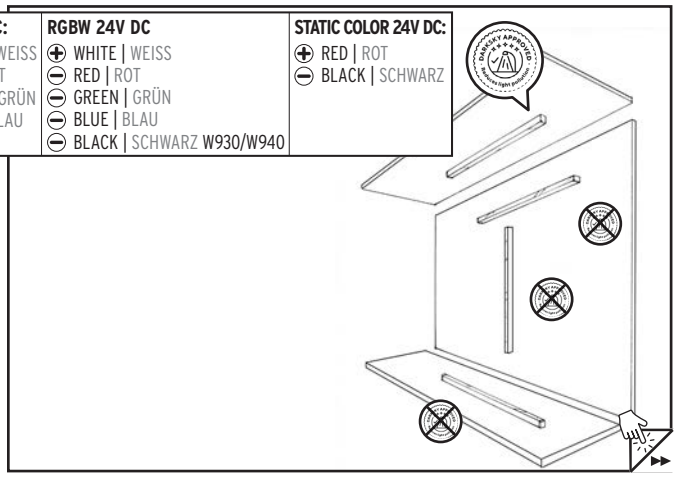
Art. # 13000265-SCH-1
Art. # 13000265-SIL-1

Length (mm) Länge (feet)	Number of mounting accessories Anzahl der Befestigungen
0 - 514 | 0 - 1.69	1
515 - 1014 | 1.69 - 3.33	2
1015 - 2014 | 3.33 - 6.61	3
2015 - 3014 | 6.61 - 9.89	4
3015 - 4014 | 9.89 - 13.17	5

5. MOUNTING LOCK 5.1–5.11
ANBAU MIT VERSCHRAUBUNG

ORDERCODE **ML**

RGBW 24V DC	STATIC COLOR 24V DC:
⊕ WHITE | WEISS	⊕ RED | ROT
⊖ RED | ROT	⊖ BLACK | SCHWARZ
⊖ GREEN | GRÜN	
⊖ BLUE | BLAU	
⊖ BLACK | SCHWARZ W930/W940	



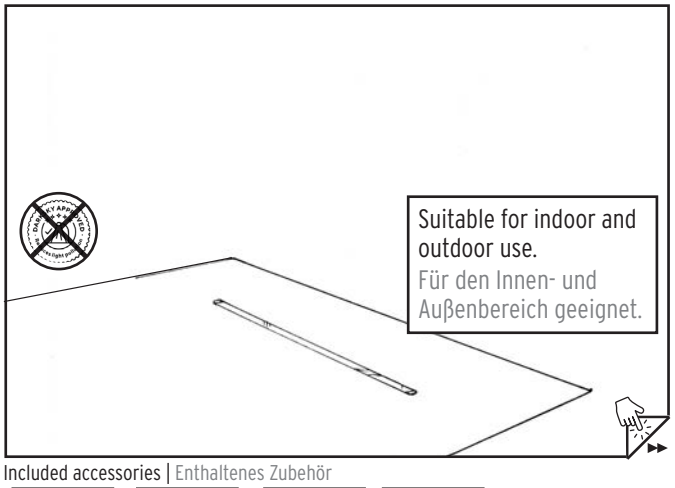
Included accessories | Enthaltenes Zubehör



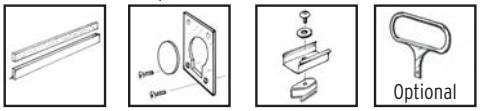
Length (mm) Länge (feet)	Number of mounting accessories Anzahl der Befestigungen
0 - 264 | 0 - 0.87	1
265 - 1014 | 0.87 - 3.33	2
1015 - 2014 | 3.33 - 6.61	3
2015 - 3014 | 6.61 - 9.89	4
3015 - 4014 | 9.84 - 13.17	5

6. INGROUND FRAME 6.1–6.24
EINBAURAHMEN

ORDERCODE **IF**



Included accessories | Enthaltenes Zubehör

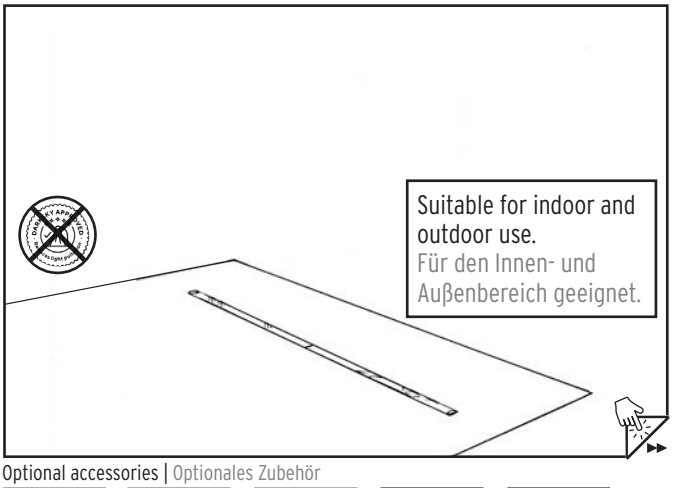


Art. # 10000639-2m
Art. # 10000639-4m
Art. # 11000310-SIL
Art. # 13000504
Art. # 13100031

Length of the luminaire (mm) Länge der Leuchte (feet)	Number of mounting accessories Anzahl der Befestigungen
0 - 389 | 0 - 1.28	2
all further 400 | alle weiteren 1.31	+1

7. OPTIONAL: INGROUND FRAME LIGHTLINE 7.1–7.27
EINBAURAHMEN LICHTLINIE

ORDERCODE **X***



Optional accessories | Optionales Zubehör



Art. # 10000639-2m
Art. # 10000639-4m
Art. # 11000310-SIL
Art. # 13000504
Art. # 13000503
Art. # 13100031

Length of the luminaire (mm) Länge der Leuchte (feet)	Number of mounting accessories Anzahl der Befestigungen
0 - 389 | 0 - 1.28	2
all further 400 | alle weiteren 1.31	+1

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ADONIS OPTICS | ADONIS OPAL | ADONIS SOFT DIFFUSE | ADONIS OPTICS WITH ENCAPSULATED LOUVER



8. OPTIONAL: INGROND FRAME DISASSEMBLY 8.1–8.4
EINBAURAHMEN DEMONTAGE

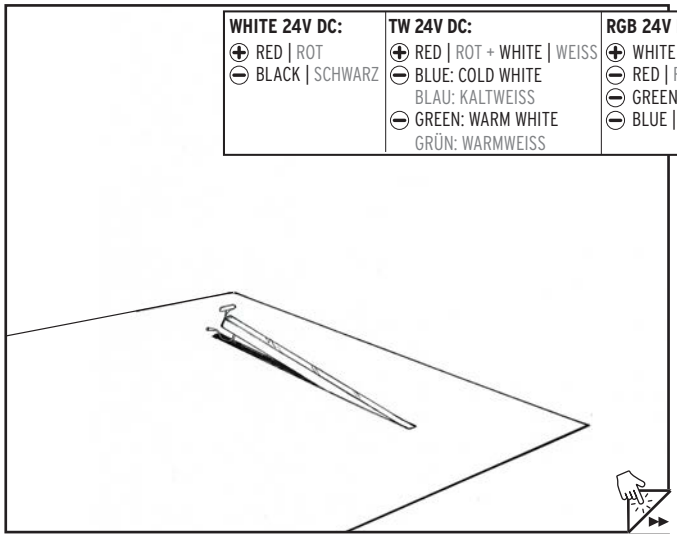


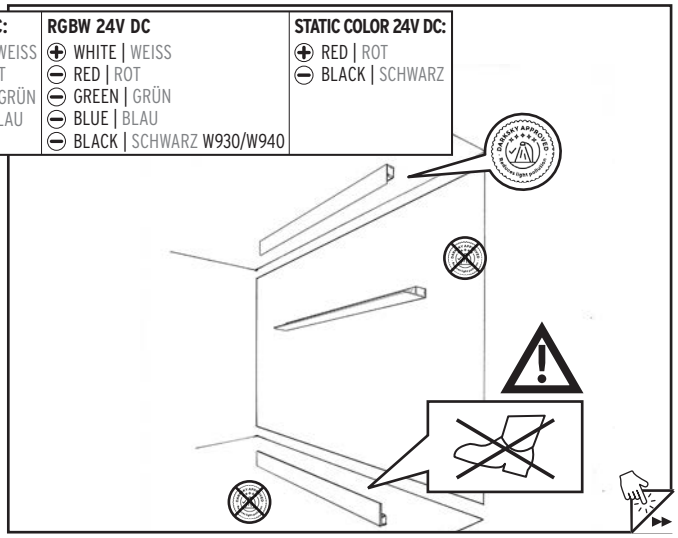
9. OPTIONAL: ASSEMBLY GLARE SHIELD 9.1.1–9.3.2
MONTAGE BLENDSCHUTZ

ORDERCODE SH | SV | ML



WHITE 24V DC:	TW 24V DC:	RGB 24V DC:	RGBW 24V DC	STATIC COLOR 24V DC:
⊕ RED | ROT	⊕ RED | ROT + WHITE | WEISS	⊕ WHITE | WEISS	⊕ WHITE | WEISS	⊕ RED | ROT
⊖ BLACK | SCHWARZ	⊖ BLUE: COLD WHITE BLAU: KALTWEISS	⊖ RED | ROT	⊖ RED | ROT	⊖ BLACK | SCHWARZ
	⊖ GREEN: WARM WHITE GRÜN: WARMWEISS	⊖ GREEN | GRÜN	⊖ GREEN | GRÜN	
		⊖ BLUE | BLAU	⊖ BLUE | BLAU	
			⊖ BLACK | SCHWARZ W930/W940	

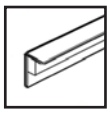




Included accessories | Enthaltenes Zubehör



Art. # 13100031



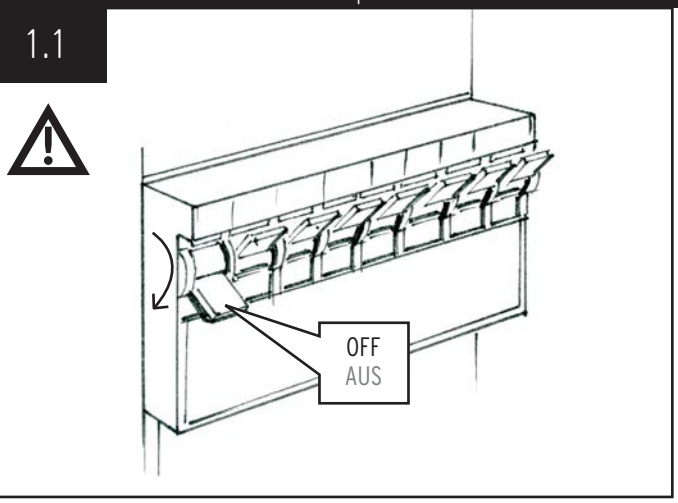
Art. # 10000622-RAL9003-1m White | Weiss
Art. # 10000622-RAL9003-2m White | Weiss
Art. # 10000622-RAL9005-1m Black | Schwarz
Art. # 10000622-RAL9005-2m Black | Schwarz
Art. # 10000622-RAL9022-1m Gray | Grau
Art. # 10000622-RAL9022-2m Gray | Grau

The number of fixings depends on the type of installation
Die Anzahl der Befestigungen richtet sich nach der Montageart

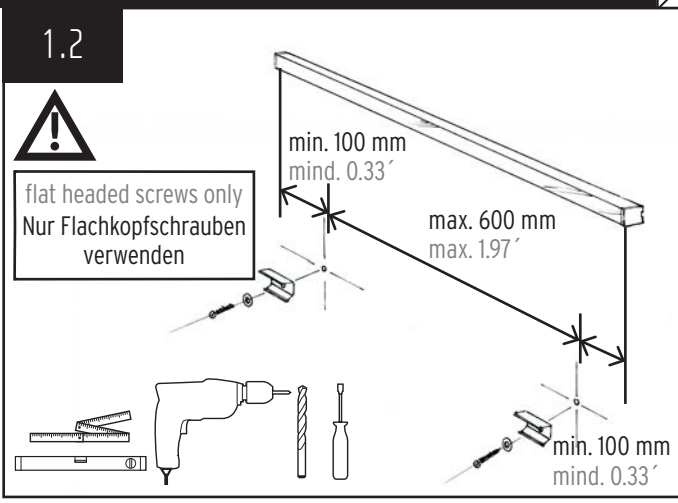
1. SURFACE MOUNTING HORIZONTAL | ANBAU HORIZONTAL

Back to overview | Zurück zur Übersicht

1.1

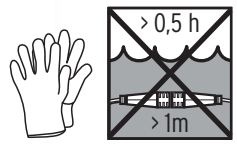


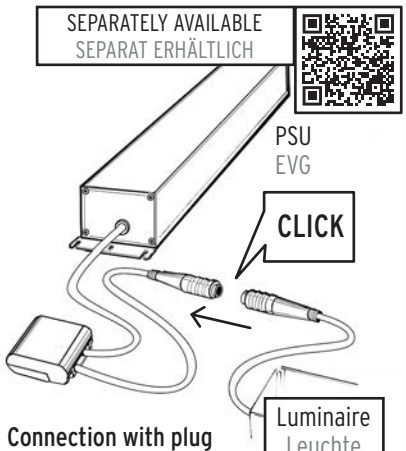
1.2



1.3.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

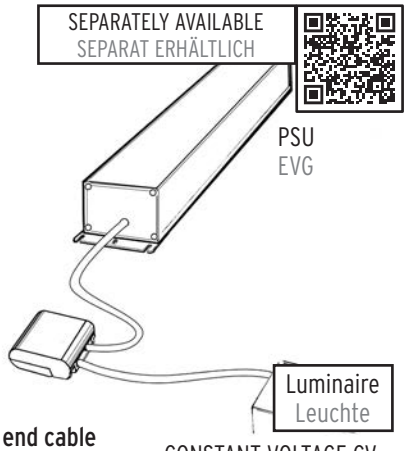




Connection with plug
Verbindung mit Stecker

1.3.2

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend



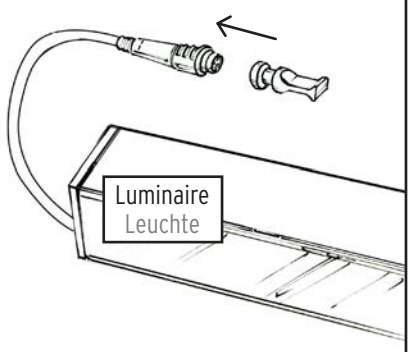
Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

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1.4.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

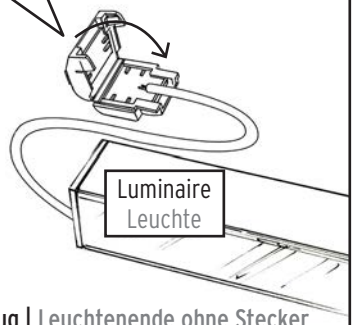


End of run with plug | Leuchtenende mit Stecker

1.4.2

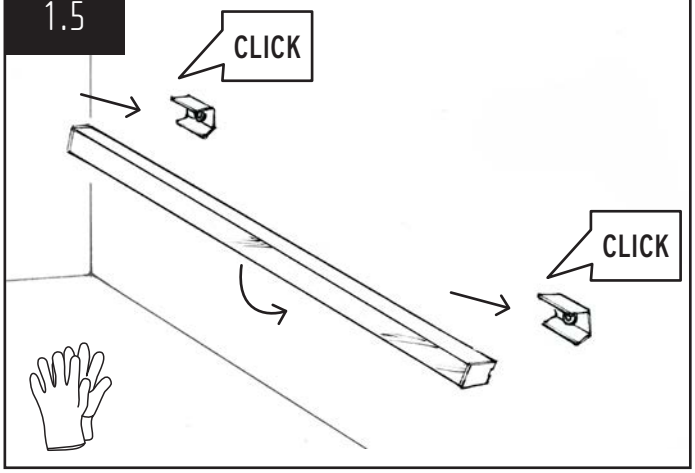
Example gel box
Gelbox is not part of the LED Linear range
Beispiel Gelbox
Gelbox ist nicht Teil des LED Linear Sortiments

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

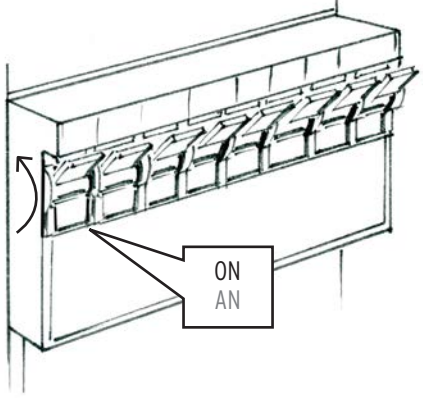


End of run without plug | Leuchtenende ohne Stecker

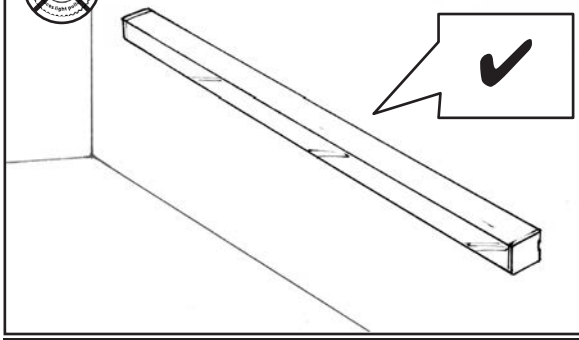
1.5



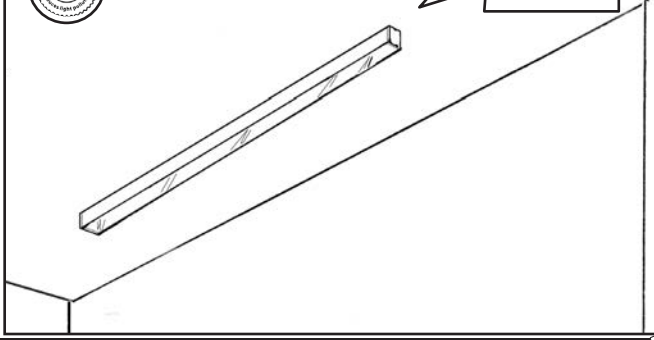
1.6



1.7



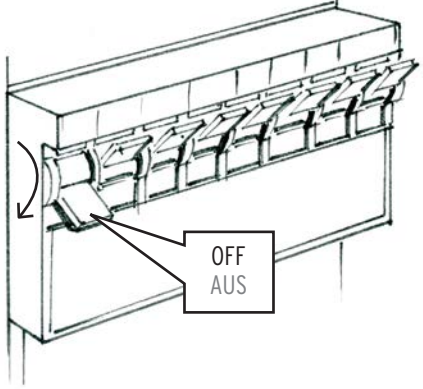
1.8



2. SURFACE MOUNTING VERTICAL | ANBAU VERTIKAL

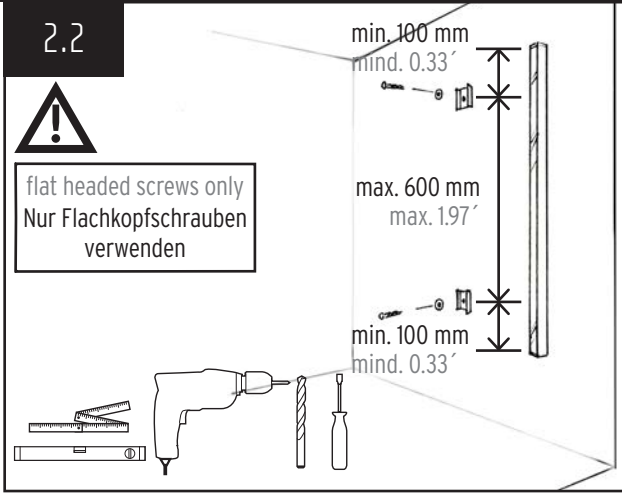
Back to overview | Zurück zur Übersicht

2.1



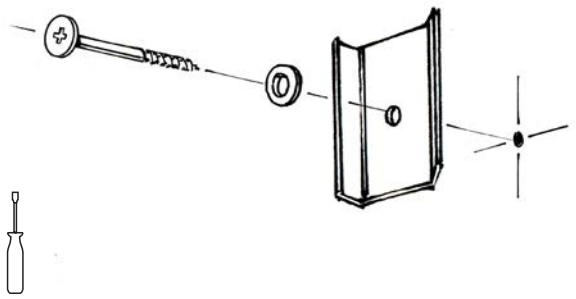
2.2

flat headed screws only
Nur Flachkopfschrauben verwenden

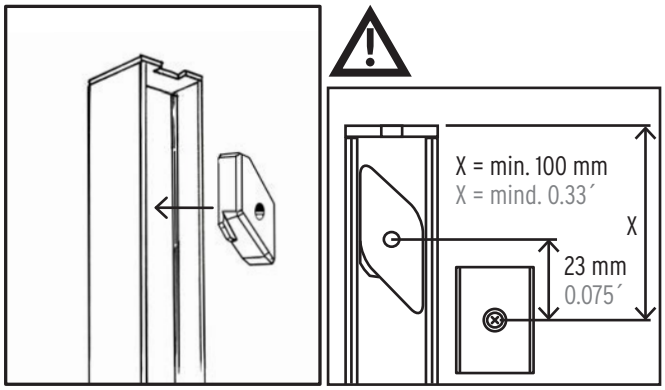


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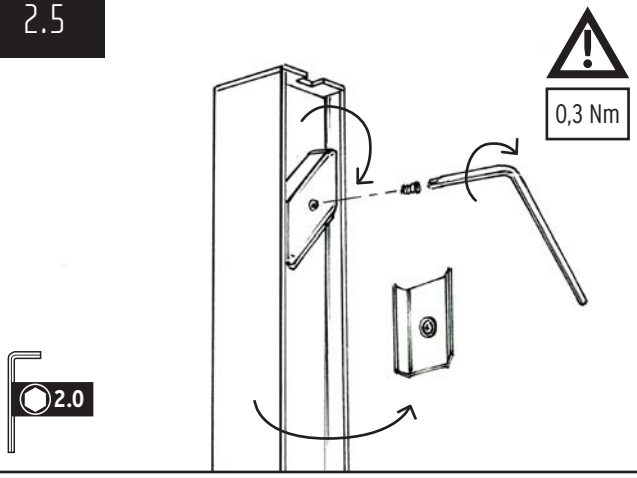
2.3



2.4

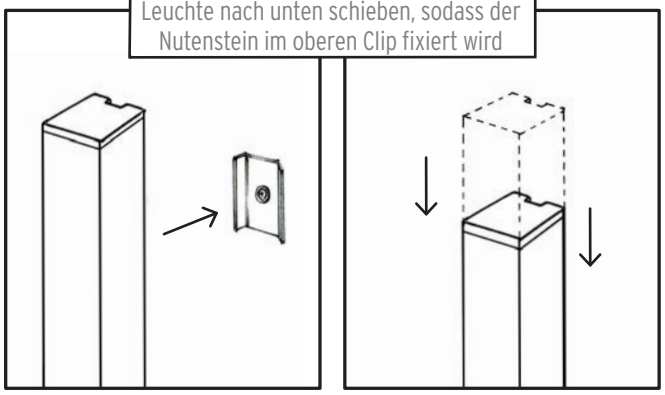


2.5



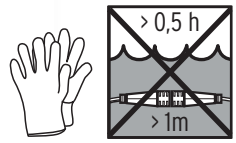
2.6

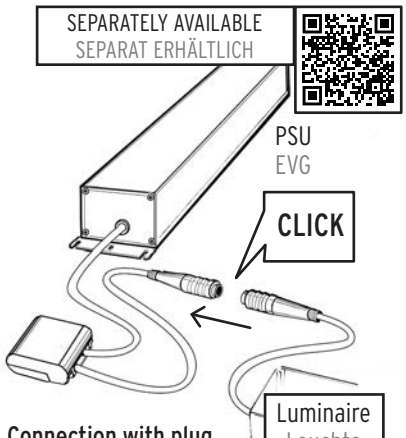
Slide the luminaire downwards so that the slotted nut locks into the top clip
Leuchte nach unten schieben, sodass der Nutenstein im oberen Clip fixiert wird



2.7.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

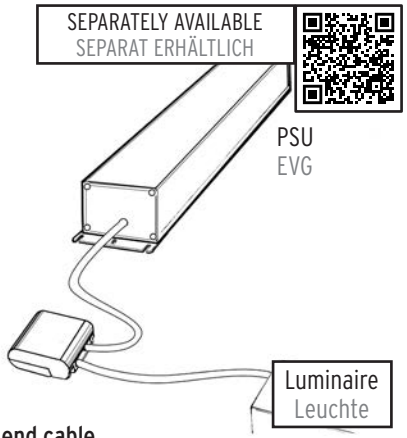




Connection with plug
Verbindung mit Stecker

2.7.2

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

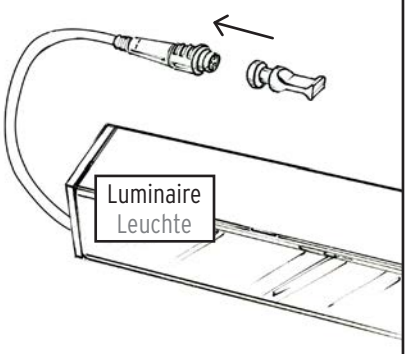


Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

2.8.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

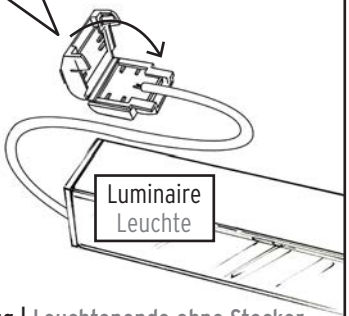


End of run with plug | Leuchtenende mit Stecker

2.8.2

Example gel box
Gelbox is not part of the LED Linear range
Beispiel Gelbox
Gelbox ist nicht Teil des LED Linear Sortiments

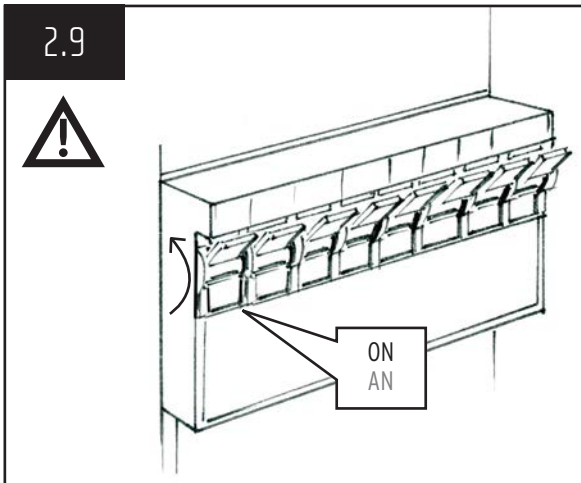
For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend



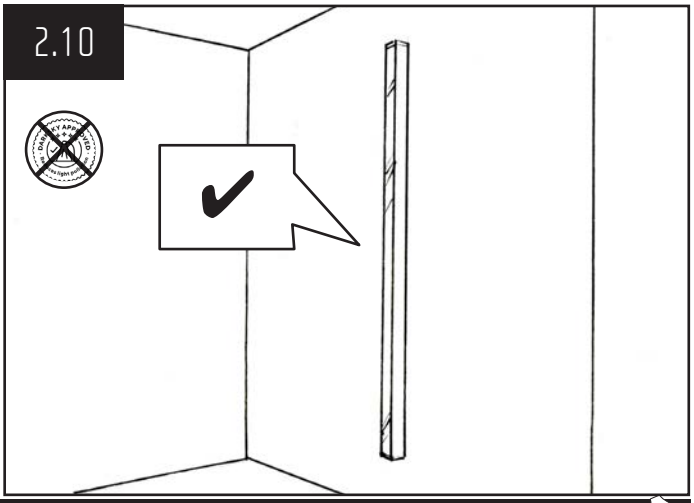
End of run without plug | Leuchtenende ohne Stecker

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2.9



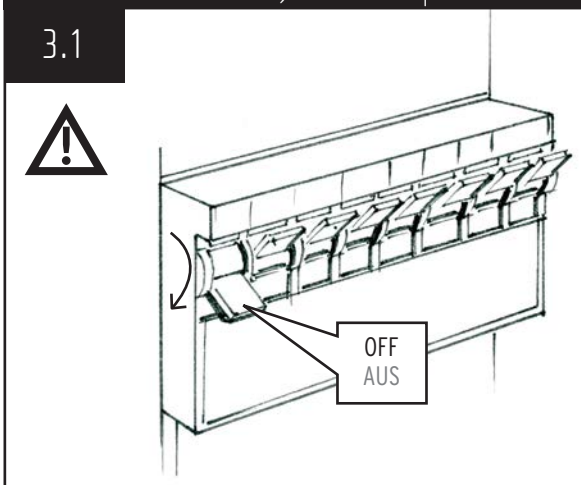
2.10



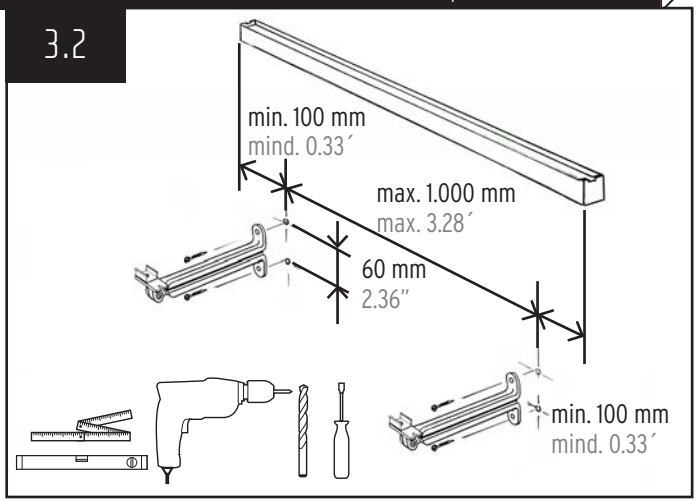
3. SURFACE MOUNTING ADJUSTABLE ARM | ANBAU ARM VERSTELLBAR

Back to overview | Zurück zur Übersicht

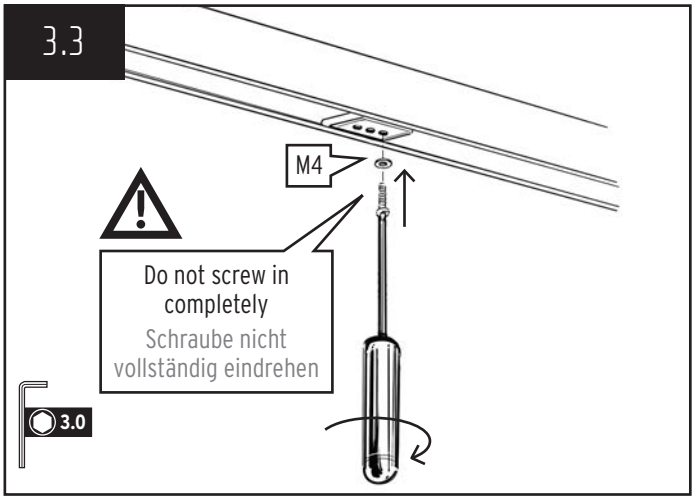
3.1



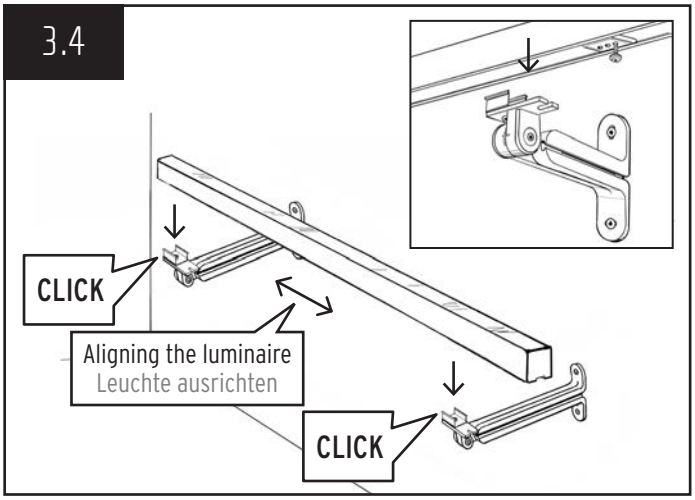
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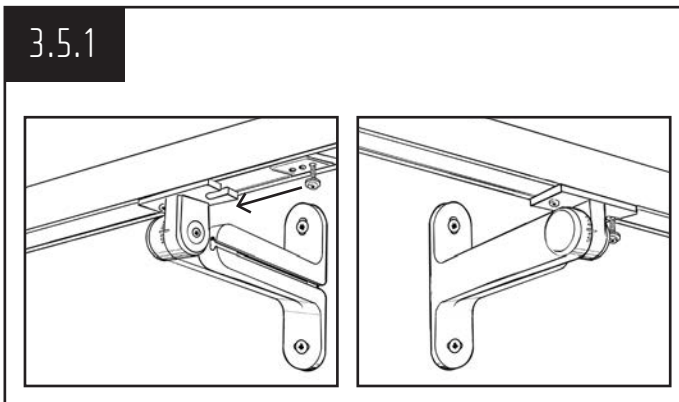
3.3



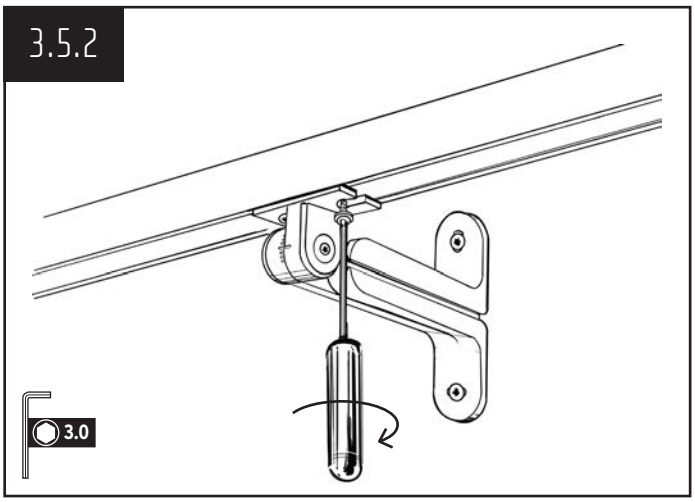
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3.5.1

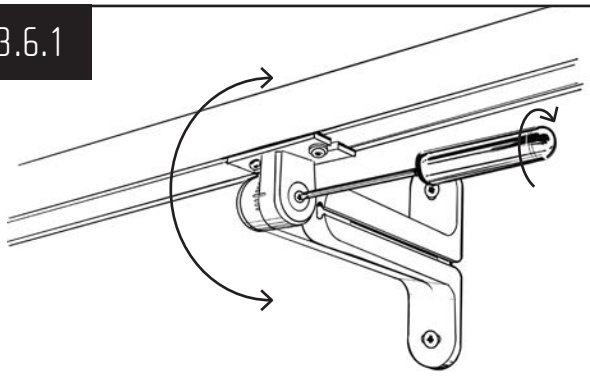


3.5.2



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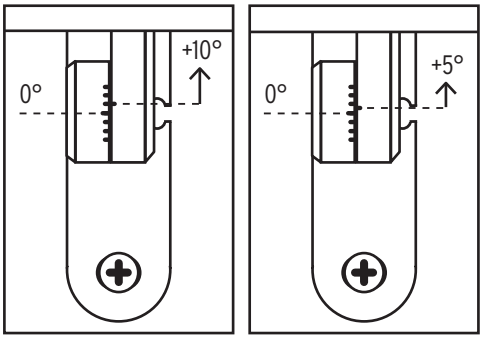
3.6.1



3.0

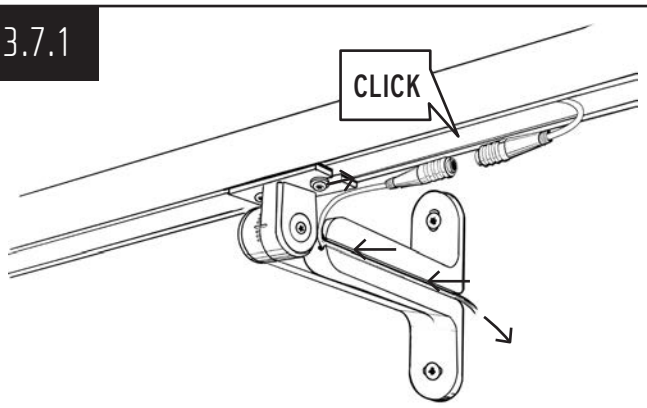
Please also refer to figure 3.7.2 adjusting the arm
Bitte beachten Sie zur Einstellung des Arms auch Bild 3.7.2

3.6.2



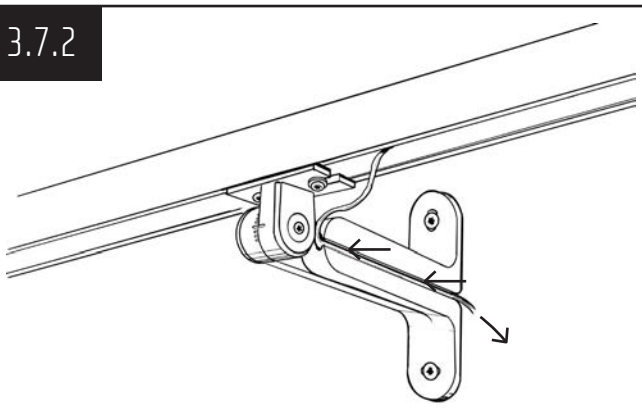
3.0

3.7.1



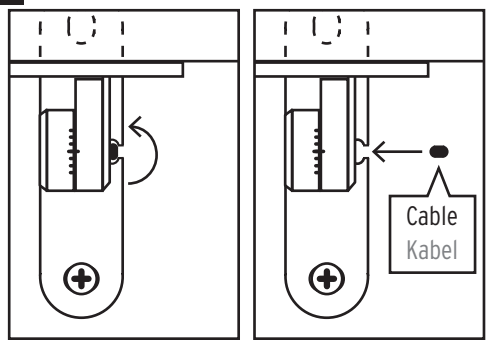
Connection with plug
Verbindung mit Stecker

3.7.2

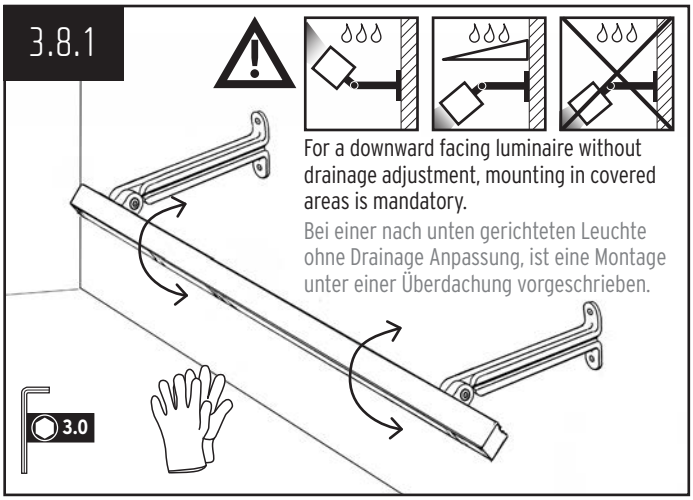


Connection with open end cable
Verbindung mit offenem Kabel

3.7.3



3.8.1

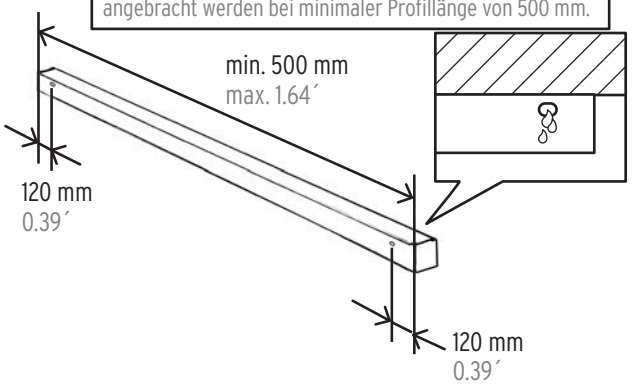


For a downward facing luminaire without drainage adjustment, mounting in covered areas is mandatory.
Bei einer nach unten gerichteten Leuchte ohne Drainage Anpassung, ist eine Montage unter einer Überdachung vorgeschrieben.

3.0

3.8.2

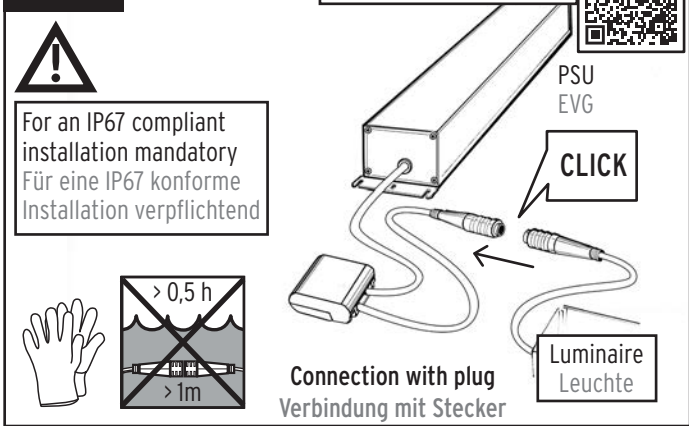
A drainage hole can be added to the profile sides upon request, with a minimum profile length of 1.64´.
Auf Anfrage kann eine Drainagebohrung an den Profilseiten angebracht werden bei minimaler Profillänge von 500 mm.



3.9.1

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend



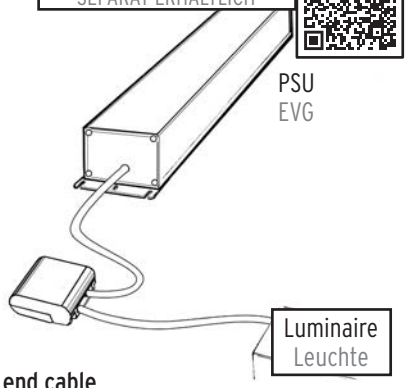
Connection with plug
Verbindung mit Stecker

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3.9.2

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

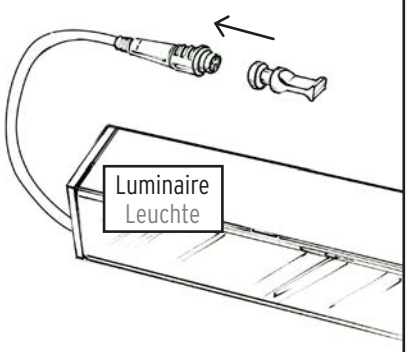


Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

3.10.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

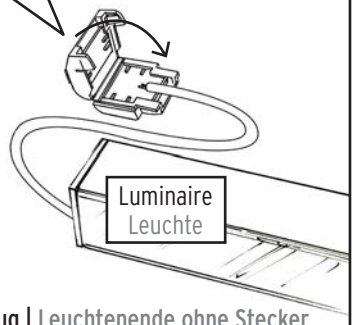


End of run with plug | Leuchtenende mit Stecker

3.10.2

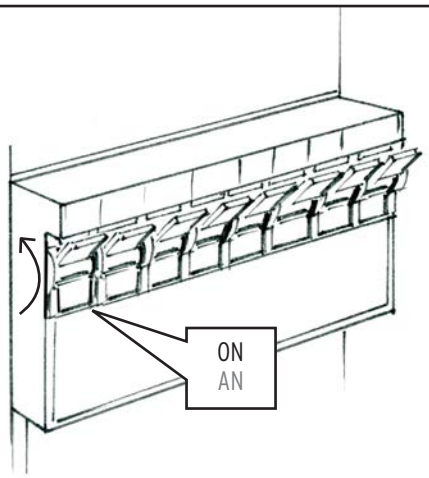
Example gel box
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Beispiel Gelbox
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For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

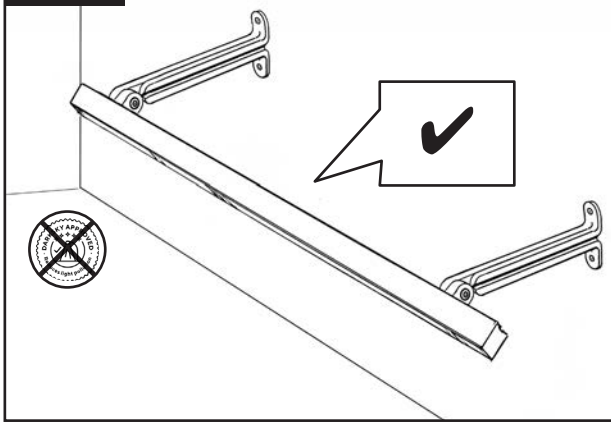


End of run without plug | Leuchtenende ohne Stecker

3.11



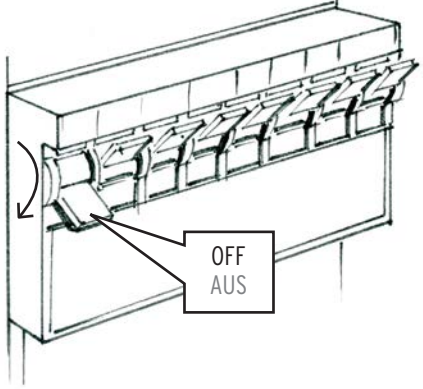
3.12



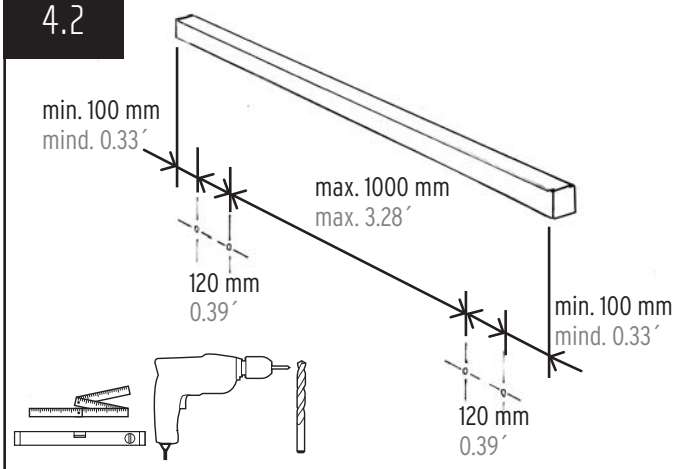
4. SURFACE MOUNTING ADJUSTABLE | ANBAU VERSTELLBAR

Back to overview | Zurück zur Übersicht

4.1

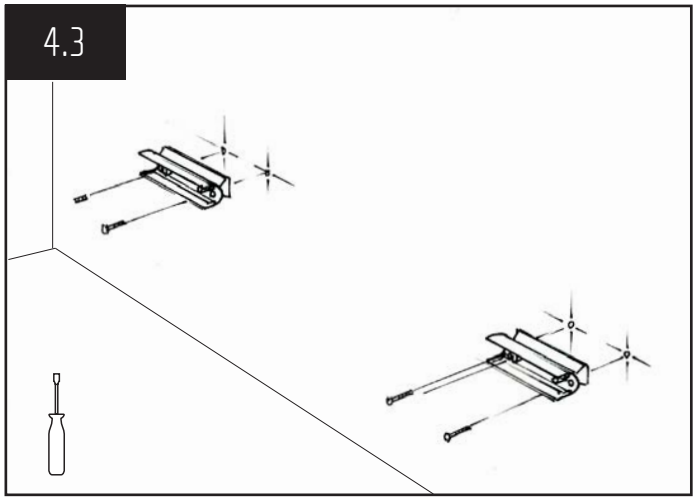


4.2

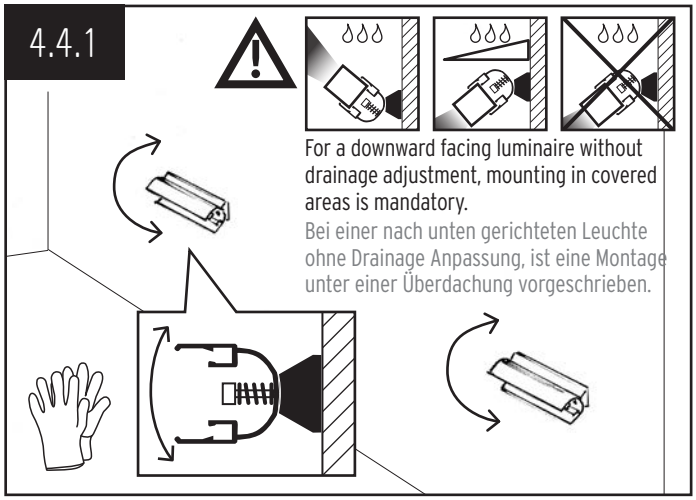


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4.3



4.4.1



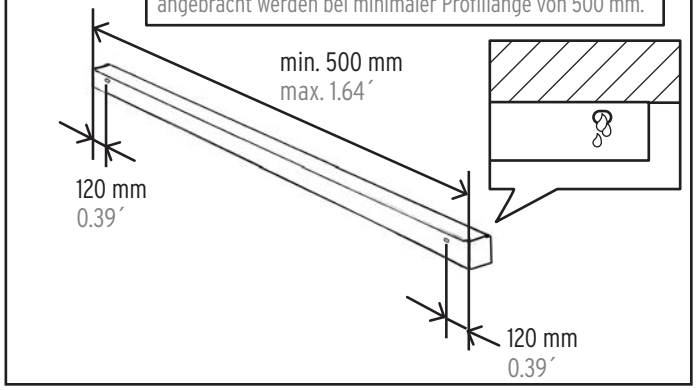
For a downward facing luminaire without drainage adjustment, mounting in covered areas is mandatory.

Bei einer nach unten gerichteten Leuchte ohne Drainage Anpassung, ist eine Montage unter einer Überdachung vorgeschrieben.

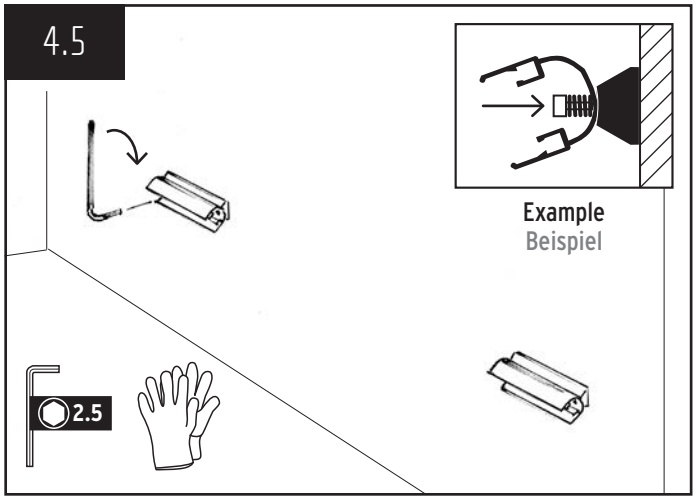
4.4.2

A drainage hole can be added to the profile sides upon request, with a minimum profile length of 1.64´.

Auf Anfrage kann eine Drainagebohrung an den Profilseiten angebracht werden bei minimaler Profillänge von 500 mm.

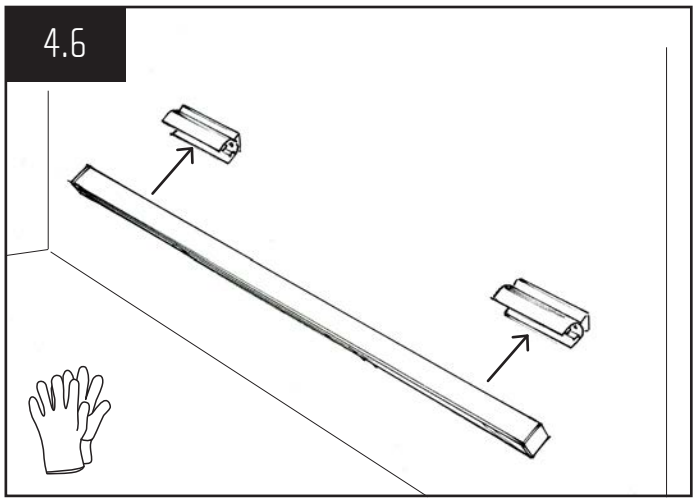


4.5

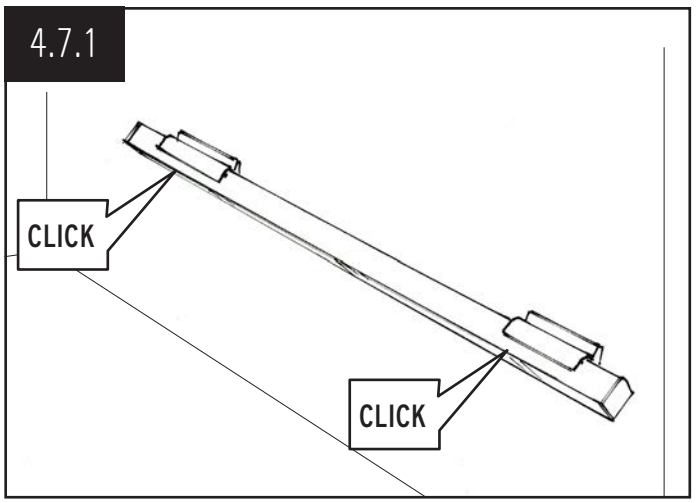


Example
Beispiel

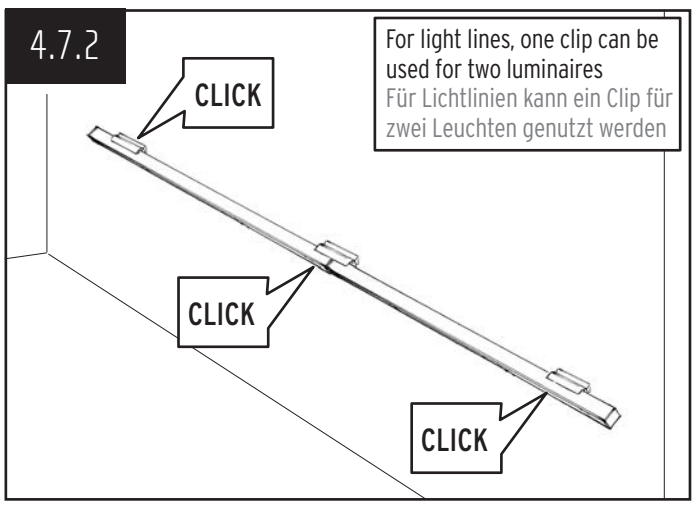
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4.7.1



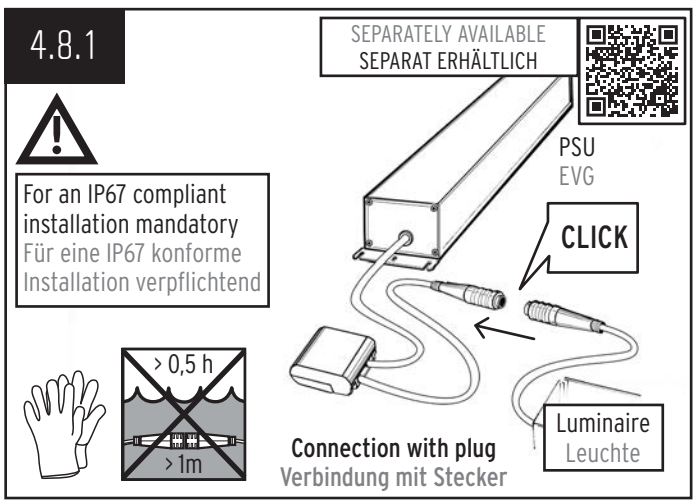
4.7.2



For light lines, one clip can be used for two luminaires

Für Lichtlinien kann ein Clip für zwei Leuchten genutzt werden

4.8.1



For an IP67 compliant installation mandatory

Für eine IP67 konforme Installation verpflichtend

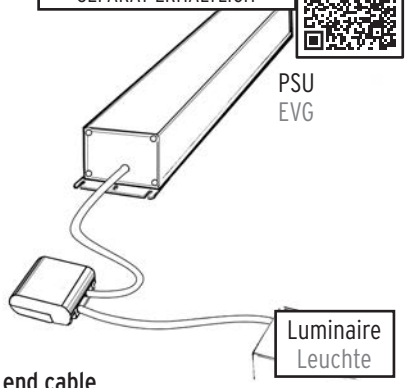
Connection with plug
Verbindung mit Stecker

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4.8.2

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

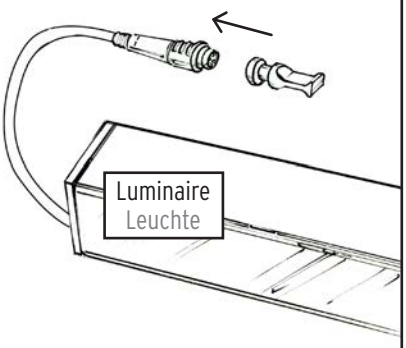


Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

4.9.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

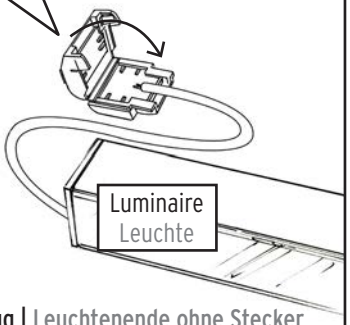


End of run with plug | Leuchtenende mit Stecker

4.9.2

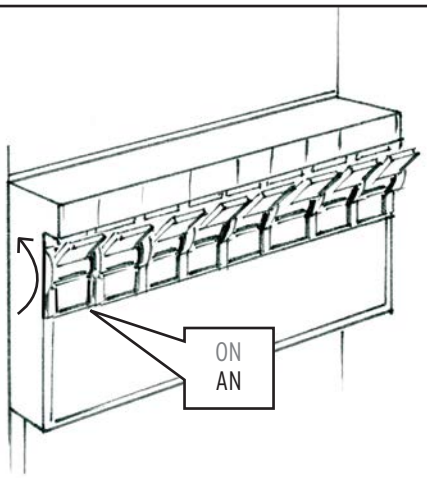
Example gel box
Gelbox is not part of the LED Linear range
Beispiel Gelbox
Gelbox ist nicht Teil des LED Linear Sortiments

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

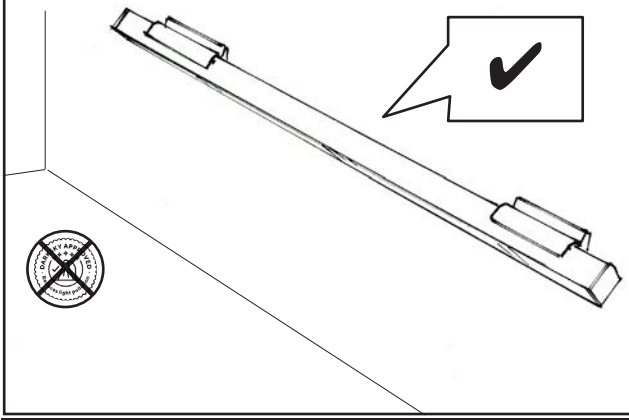


End of run without plug | Leuchtenende ohne Stecker

4.10



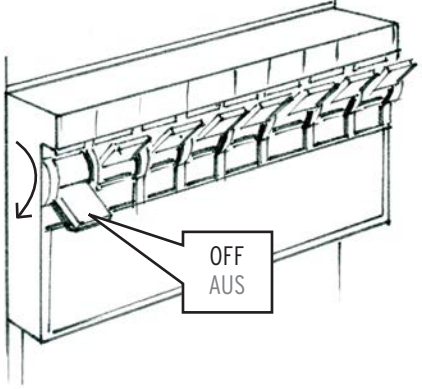
4.11



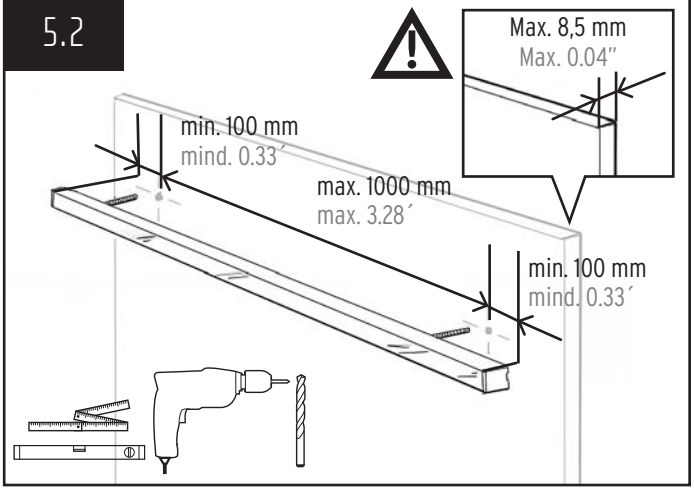
5. MOUNTING LOCK | ANBAU MIT VERSCHRAUBUNG

Back to overview | Zurück zur Übersicht

5.1



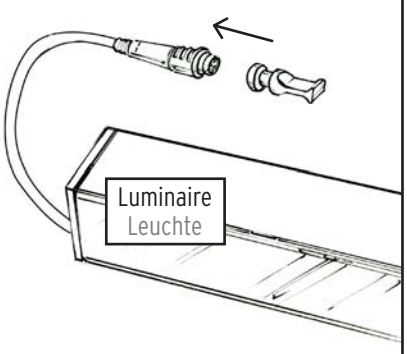
5.2



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5.3.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

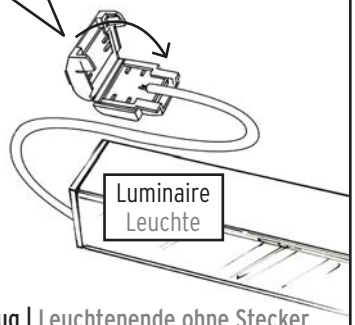


End of run with plug | Leuchtenende mit Stecker

5.3.2

Example gel box
Gelbox is not part of the LED Linear range
Beispiel Gelbox
Gelbox ist nicht Teil des LED Linear Sortiments

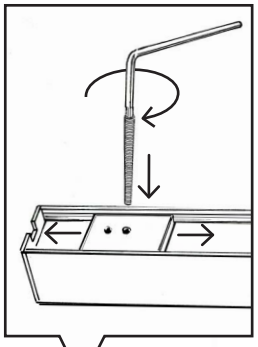
For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

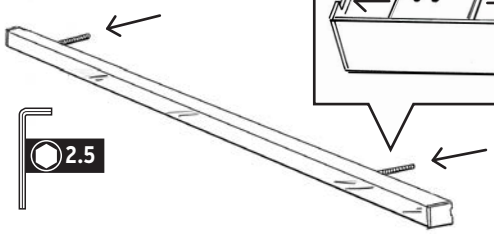


End of run without plug | Leuchtenende ohne Stecker

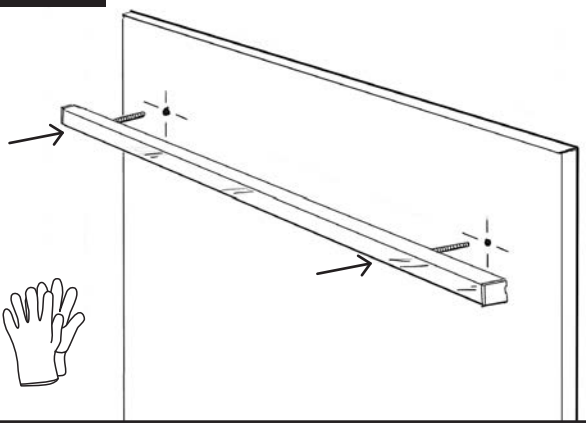
5.4

Mounting Lock cannot be added later
Mounting Lock kann nachträglich nicht hinzugefügt werden

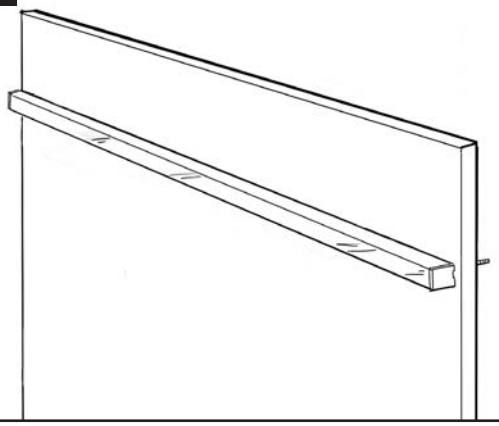




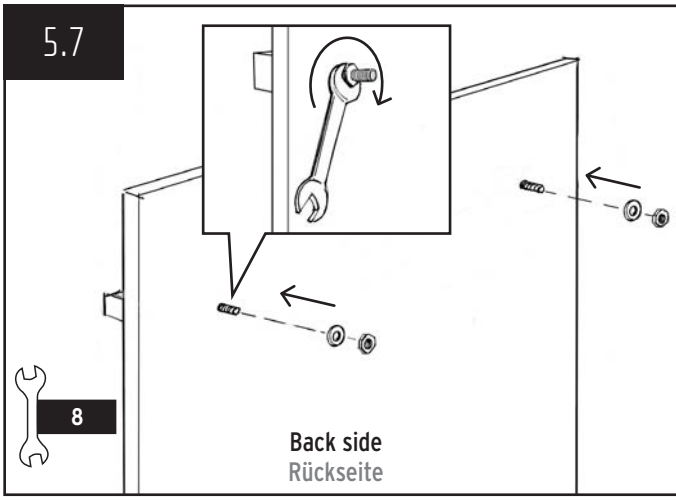
5.5



5.6



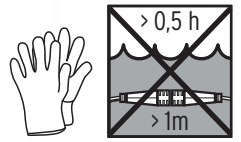
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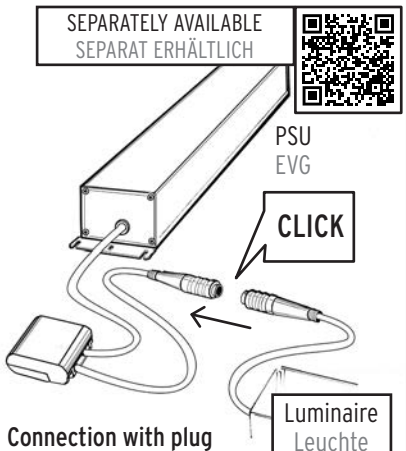


Back side
Rückseite

5.8.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

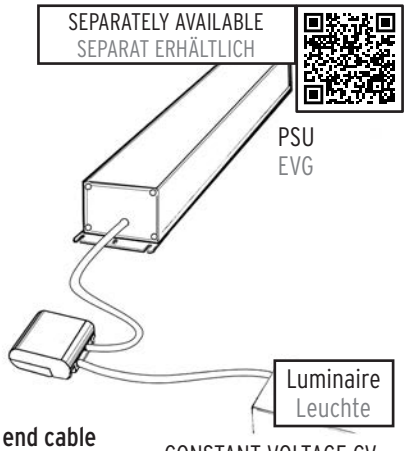




Connection with plug
Verbindung mit Stecker

5.8.2

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

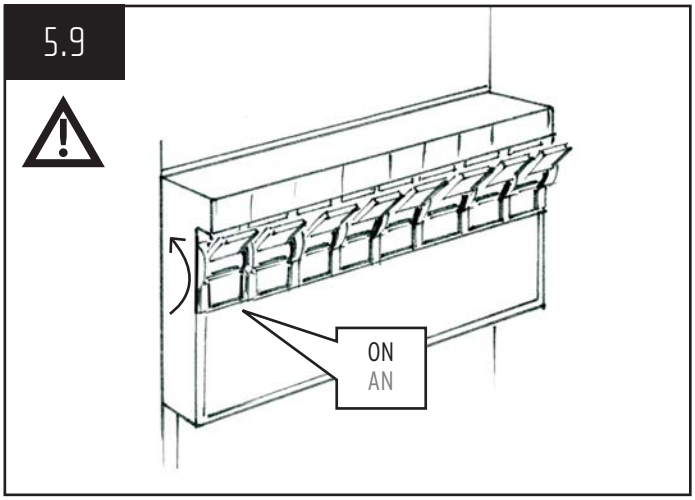


Connection with open end cable
Verbindung mit offenem Kabel

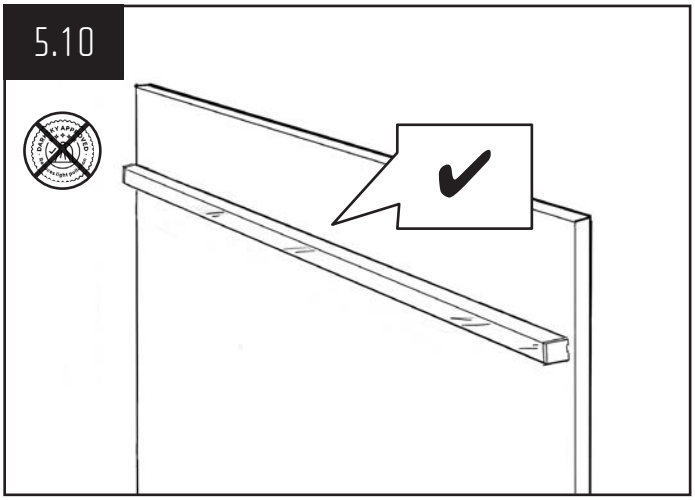
CONSTANT VOLTAGE CV

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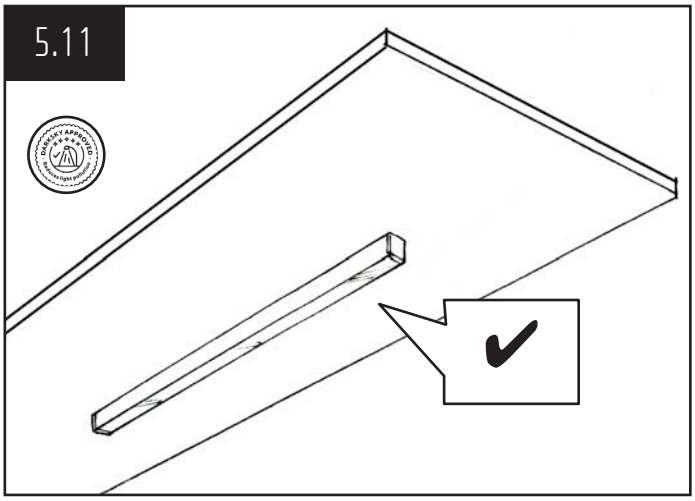
5.9



5.10



5.11

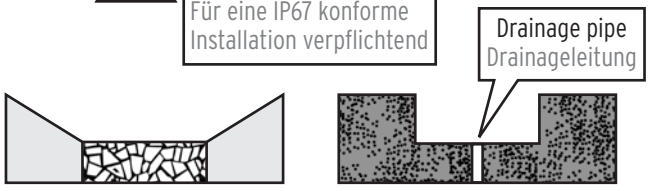


6. OPTIONAL: INGROUND FRAME LIGHTLINE | EINBAURAHMEN LICHTLINIE

Back to overview | Zurück zur Übersicht

6.1

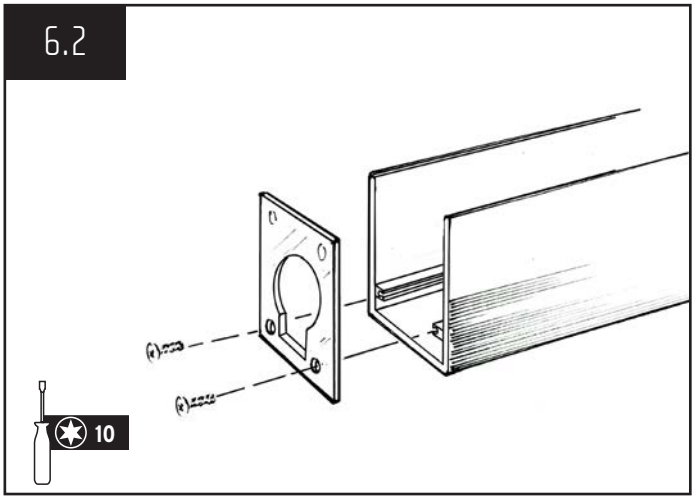
For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend



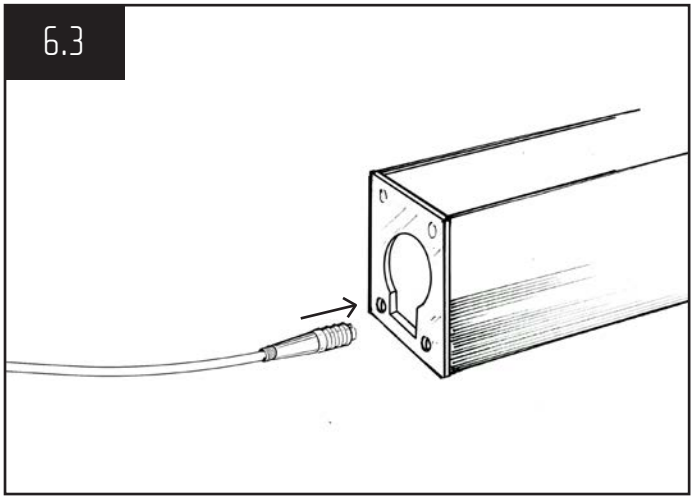
- A suitable drainage material must be used to support the entire length of the installation frame.
- If no drainage material is used, the entire length of the installation frame must be supported and a suitable drainage pipe installed.
- **To check the effectiveness of the drainage, the water in a completely filled inground frame must be drained within 10 minutes.**
- The drainage test should be carried out before installing the installation frame.

- Ein geeignetes Drainagematerial muss die gesamte Länge des Einbaurahmens flächig unterfüttern.
- Wenn kein Drainagematerial verwendet wird, muss die gesamte Länge des Einbaurahmens abgestützt und eine geeignete Drainageleitung installiert werden.
- **Um die Wirksamkeit der Drainage zu überprüfen, muss das Wasser eines komplett gefüllten Inground-Frames innerhalb 10 Min. abgelaufen sein.**
- Der Drainagestest sollte vor dem Einbau des Einbaurahmens durchgeführt werden.

6.2

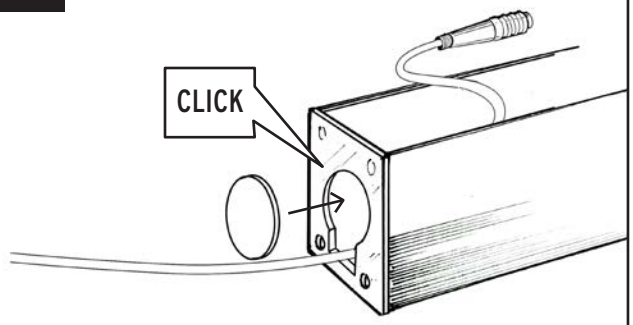


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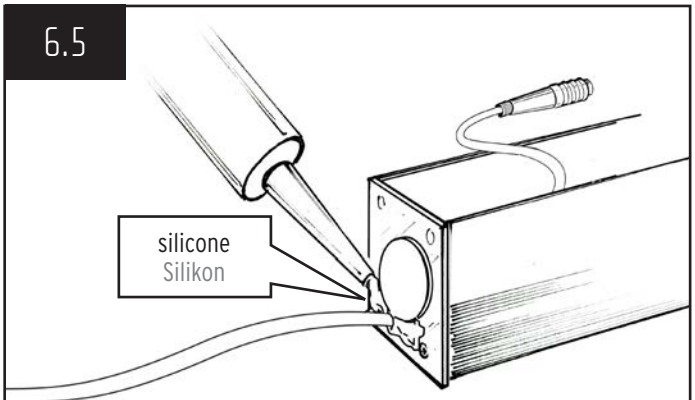


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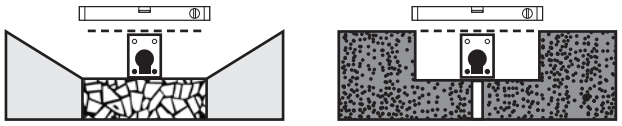
6.4



6.5

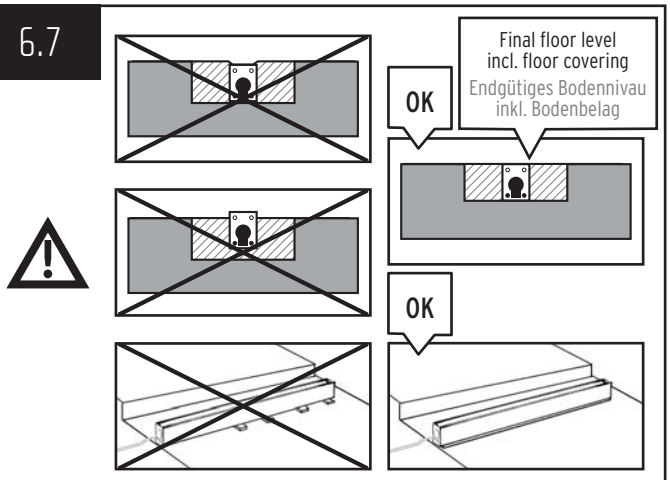


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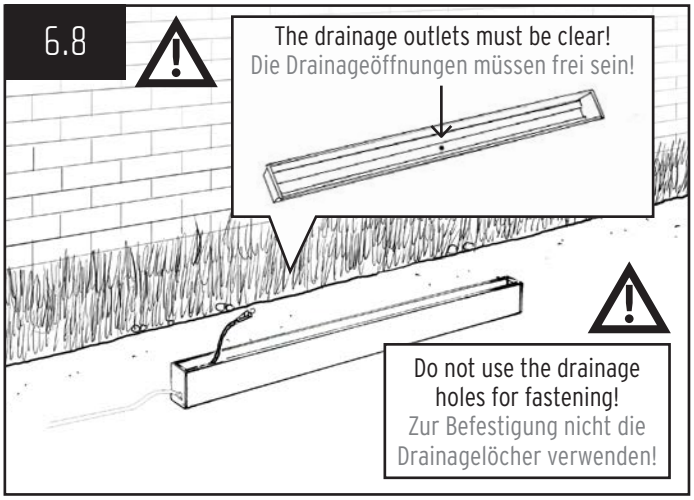




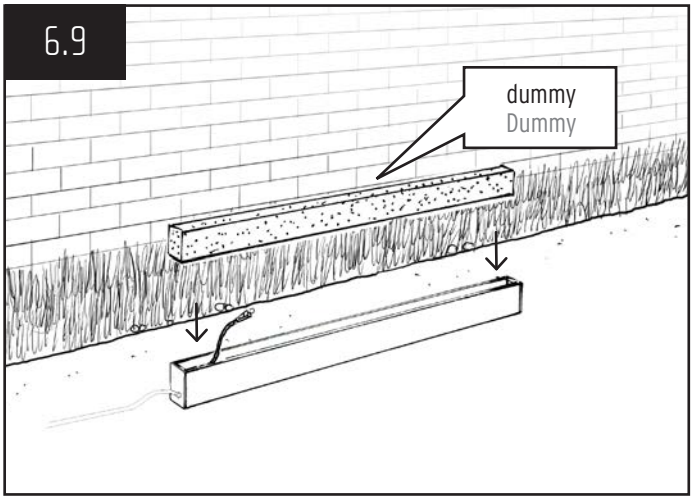
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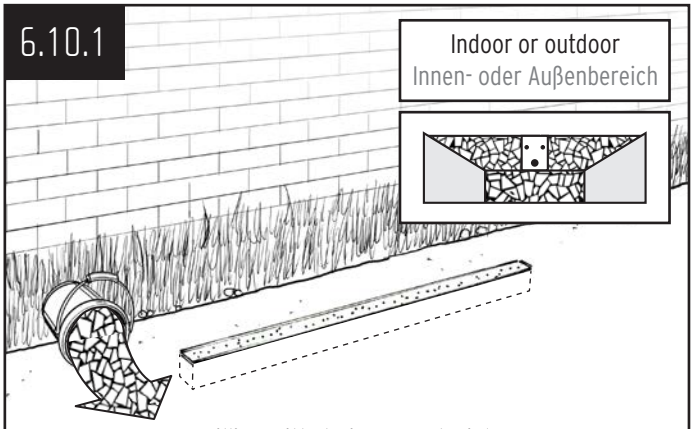
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6.9

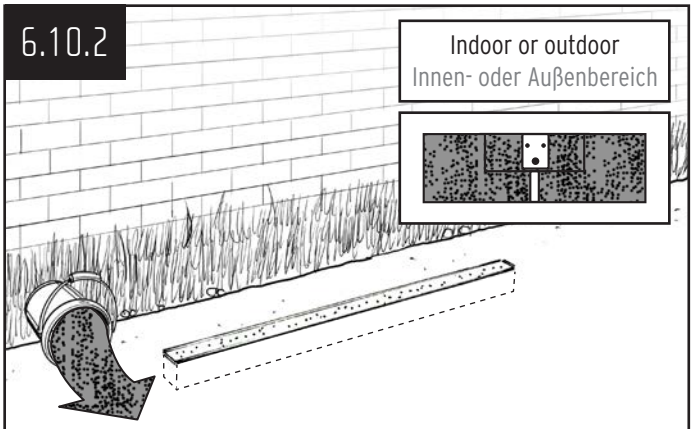


6.10.1



Filling with drainage material
Auffüllen mit Drainagematerial

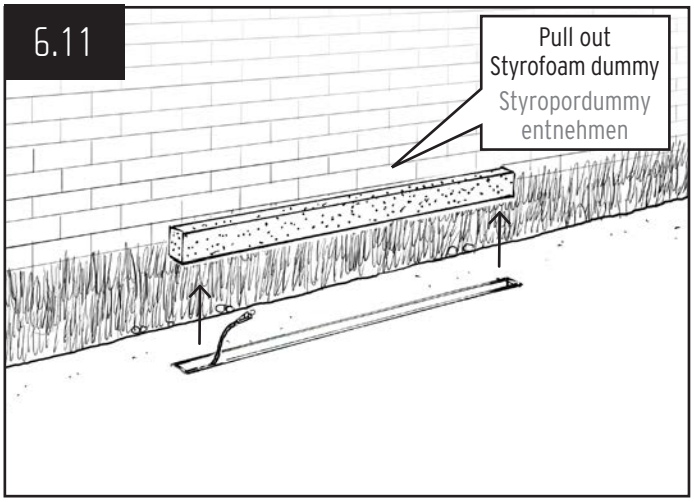
6.10.2



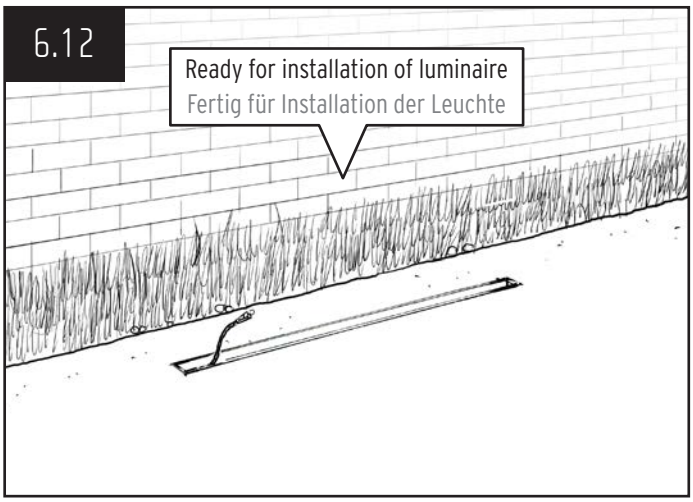
Filling with concrete
Auffüllen mit Beton

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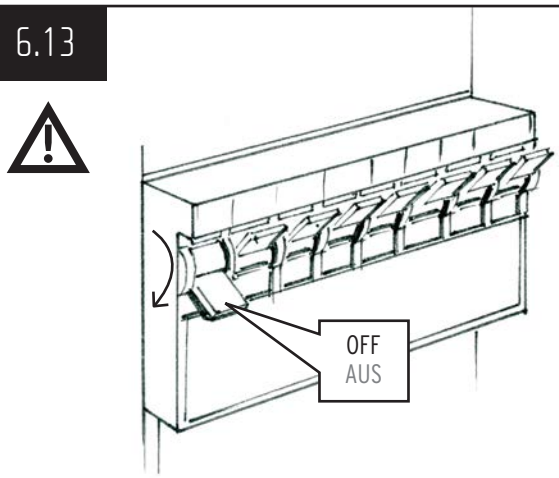
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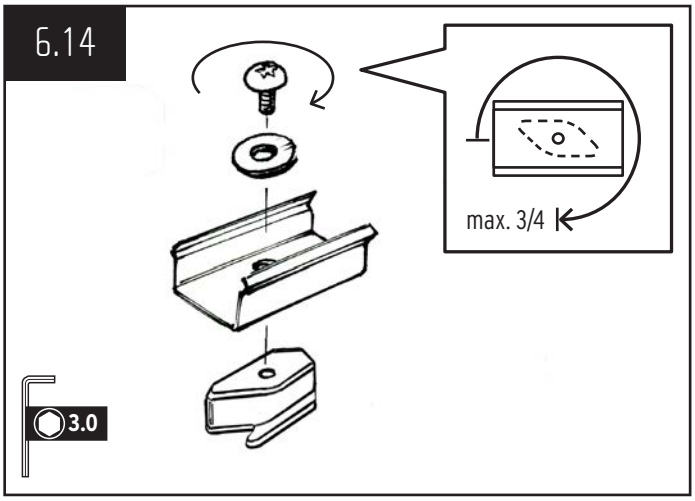
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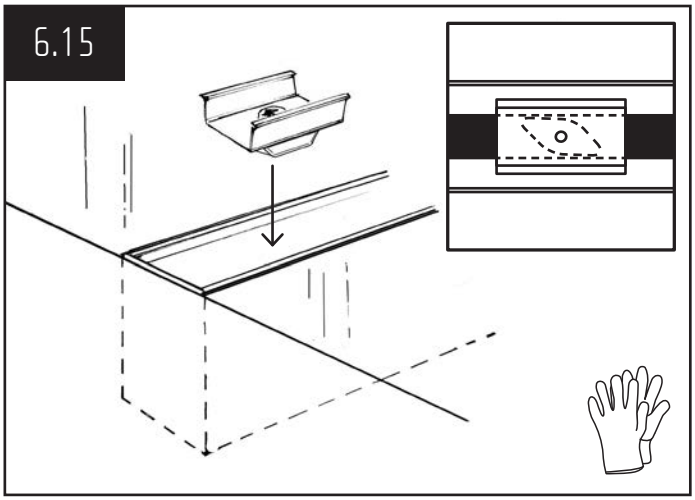
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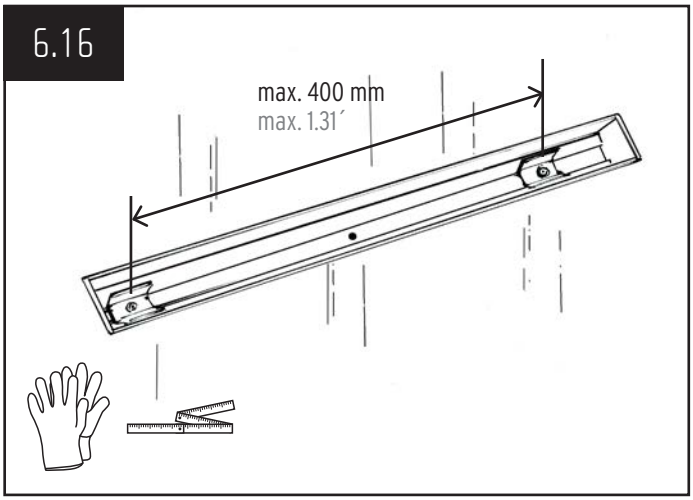
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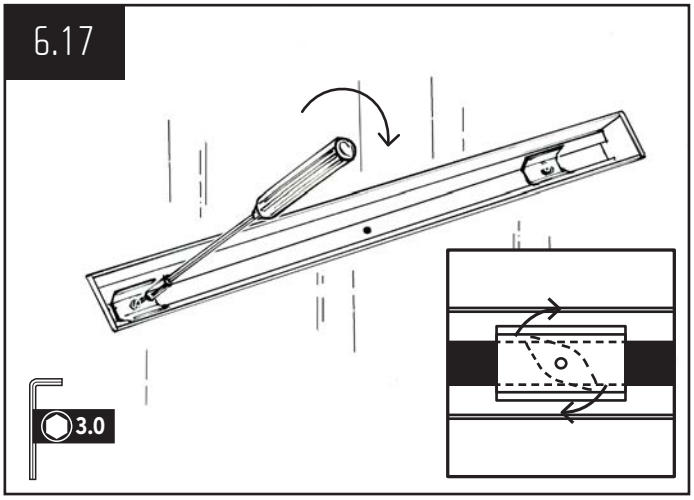
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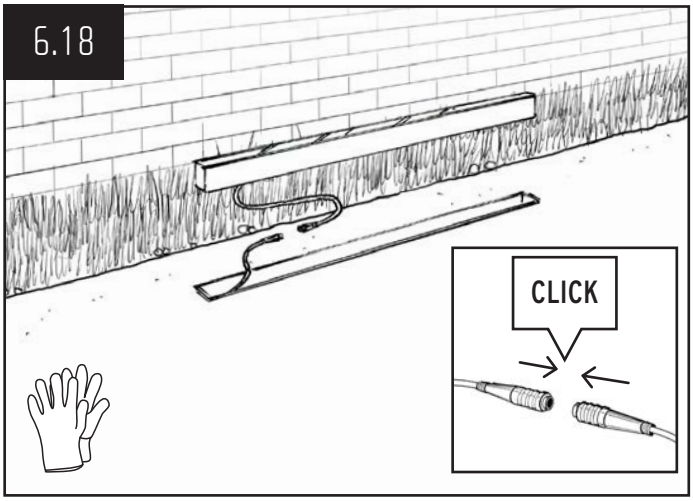
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6.17



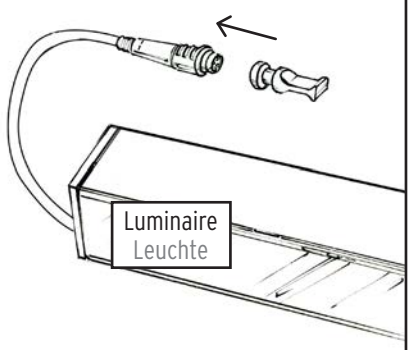
6.18



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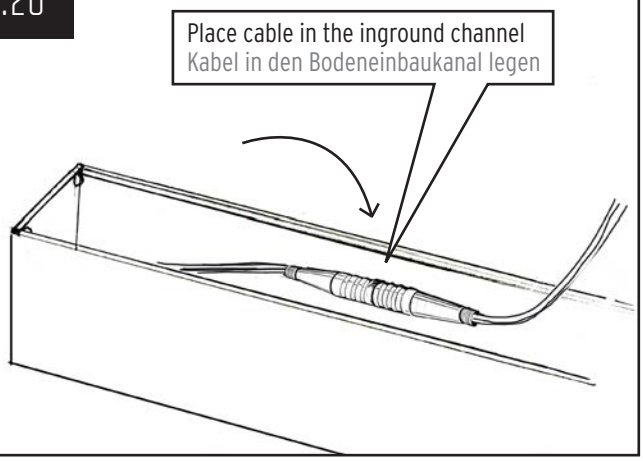
6.19

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend

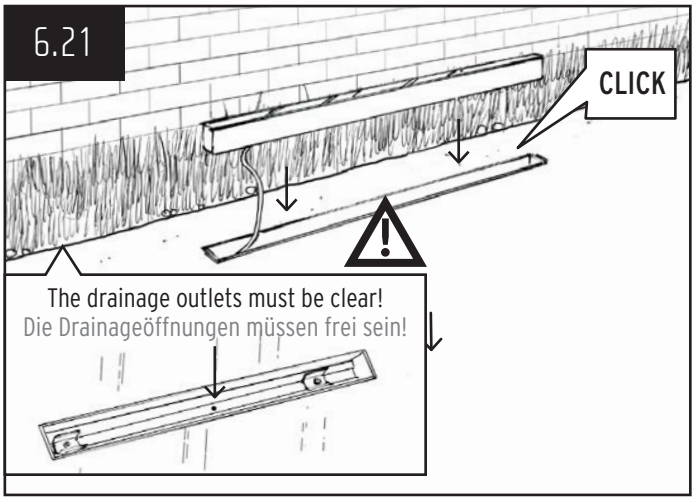


End of run with plug | Leuchtenende mit Stecker

6.20

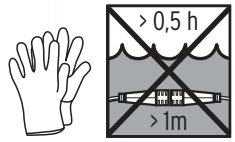


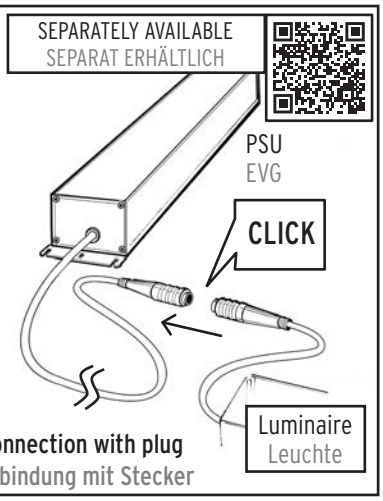
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6.22

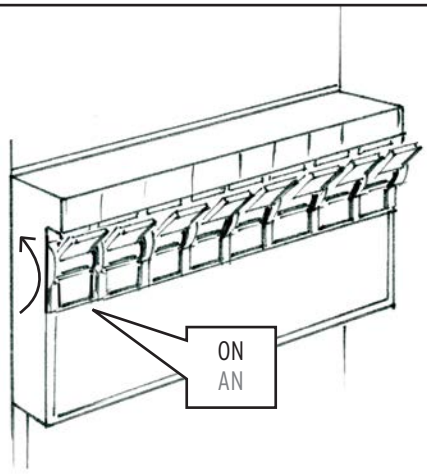
For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend



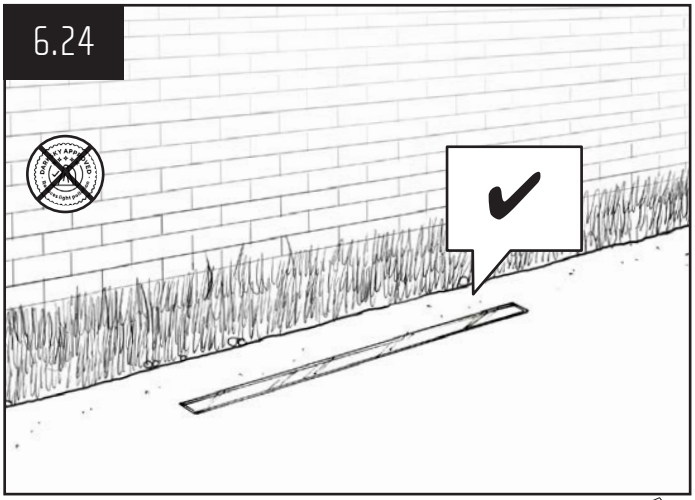


Connection with plug
Verbindung mit Stecker

6.23



6.24

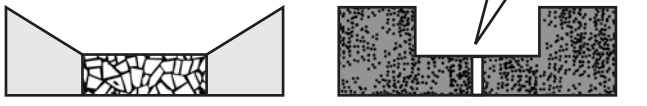


7. OPTIONAL: INGROUND FRAME LIGHTLINE | EINBAURAHMEN LICHTLINIE

Back to overview | Zurück zur Übersicht

7.1

For an IP67 compliant installation mandatory
Für eine IP67 konforme Installation verpflichtend



Soft ground
Weicher Untergrund

Hard ground
Fester Untergrund

Soil
Boden

Drainage material
Drainagematerial

Concrete
Beton

- A suitable drainage material must be used to support the entire length of the installation frame.
- If no drainage material is used, the entire length of the installation frame must be supported and a suitable drainage pipe installed.
- **To check the effectiveness of the drainage, the water in a completely filled inground frame must be drained within 10 minutes.**
- The drainage test should be carried out before installing the installation frame.

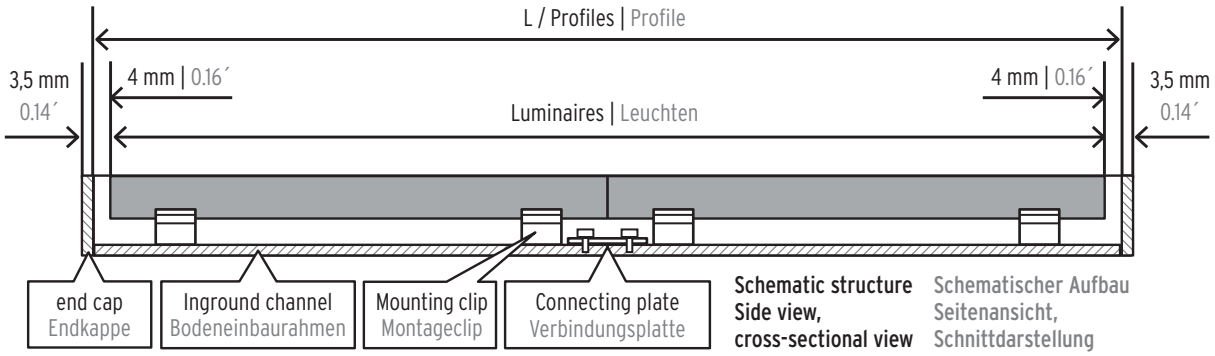
- Ein geeignetes Drainagematerial muss die gesamte Länge des Einbaurahmens flächig unterfüttern.
- Wenn kein Drainagematerial verwendet wird, muss die gesamte Länge des Einbaurahmens abgestützt und eine geeignete Drainageleitung installiert werden.
- **Um die Wirksamkeit der Drainage zu überprüfen , muss das Wasser eines komplett gefüllten Inground-Frames innerhalb 10 Min. abgelaufen sein.**
- Der Drainagestest sollte vor dem Einbau des Einbaurahmens durchgeführt werden.

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7.2

1. Order code "X" must be selected.
2. Profiles and mounting accessories must be ordered separately
3. Profiles are available in lengths of 2 m and 4 m

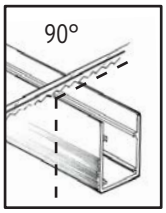
1. Ordercode „X" muss ausgewählt werden
2. Profile und Montagezubehöre müssen zusätzlich bestellt werden
3. Profile sind den Längen in 2m und 4m erhältlich



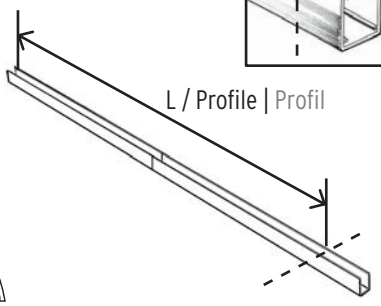
Schematic structure Side view, cross-sectional view | **Schematischer Aufbau Seitenansicht, Schnittdarstellung**

7.3

Perpendicular cutting edge
Schnittkante lotrecht



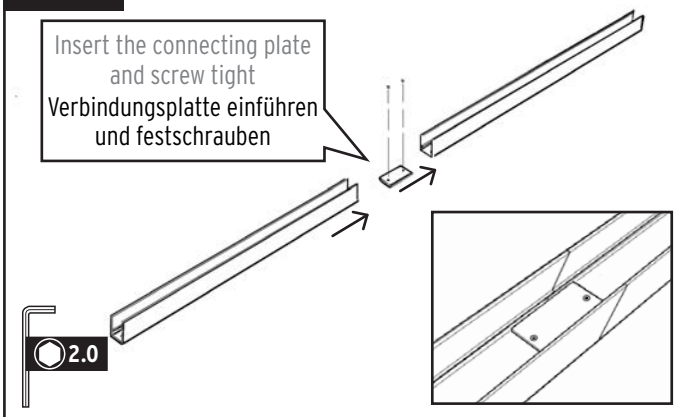
Add drainage holes, if one is cut away by shorten the profile
Drainage hole D=6 mm
Drainage Löcher hinzufügen, falls diese beim Kürzen verschwinden
Drainage Bohrung D=6 mm



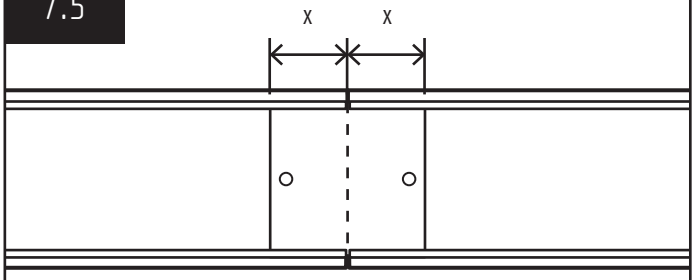


7.4

Insert the connecting plate and screw tight
Verbindungsplatte einführen und festschrauben



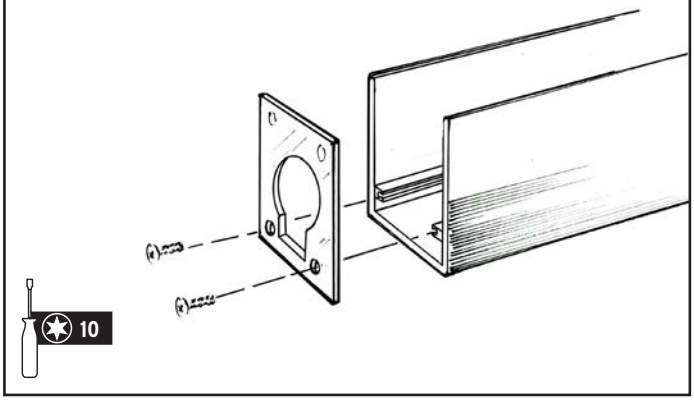
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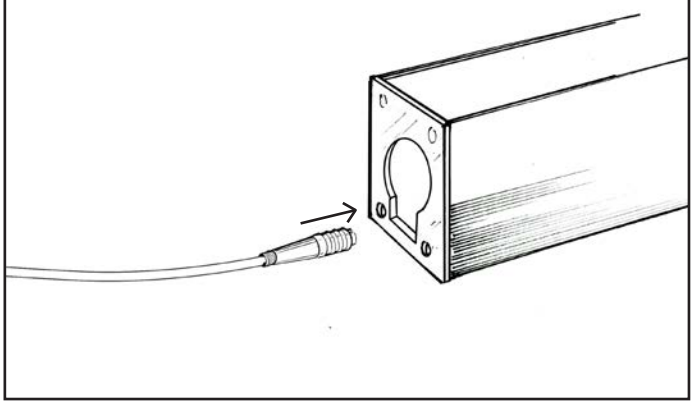


Ensure that the connecting plate is positioned central!
Auf mittige Position des Verbinders achten!

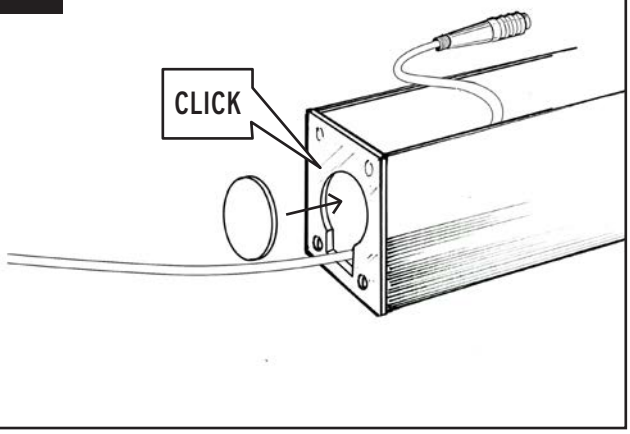
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7.7

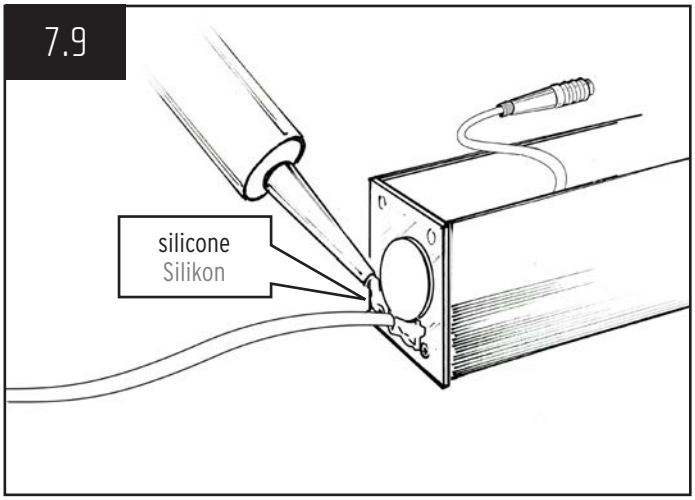


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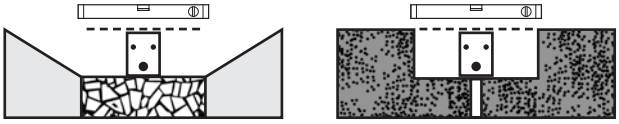


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7.9



7.10



Soft ground
Weicher Untergrund

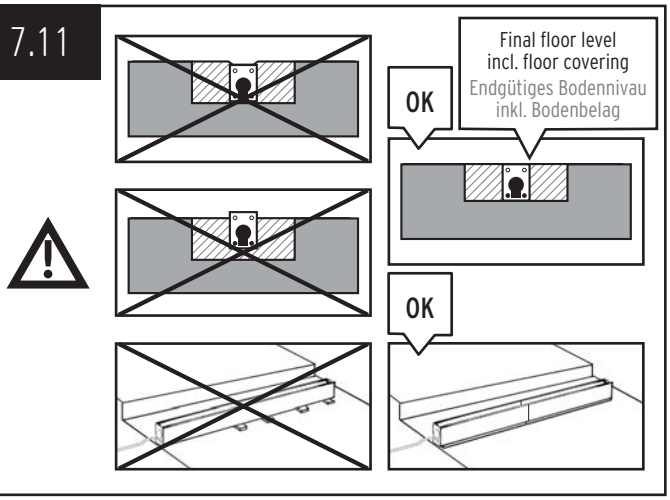
Hard ground
Fester Untergrund

Soil
Boden

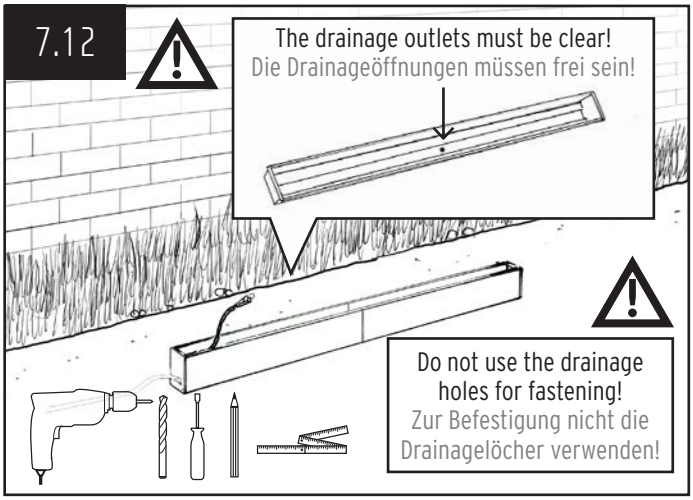
Drainage material
Drainagematerial

Concrete
Beton

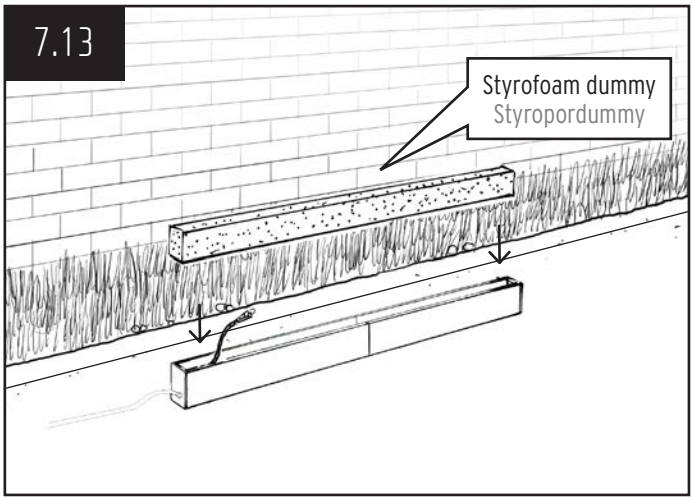
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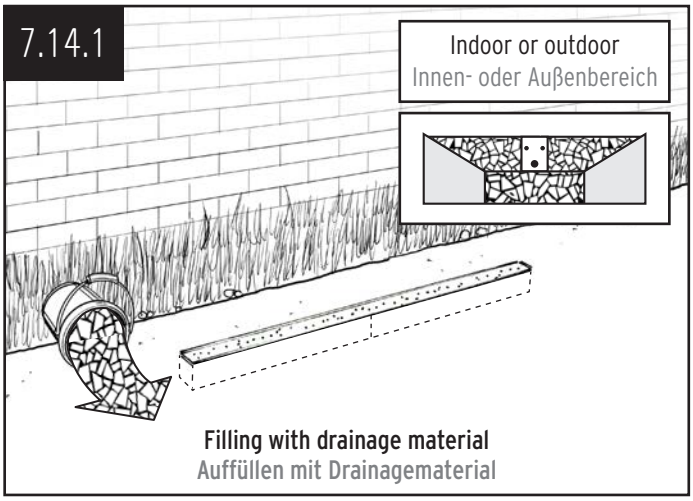
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7.13

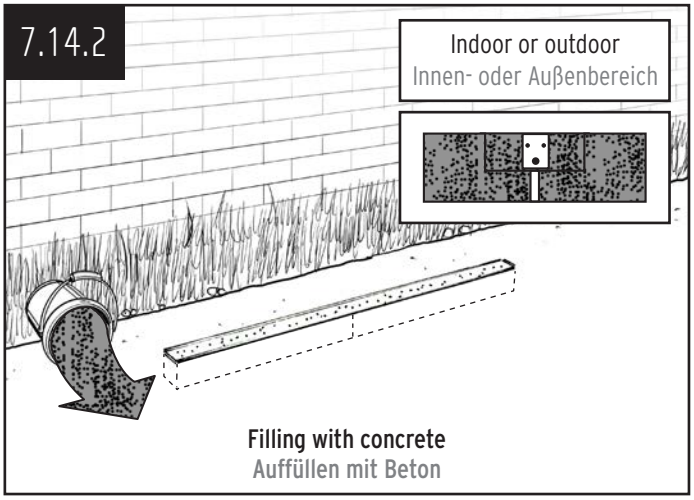


7.14.1



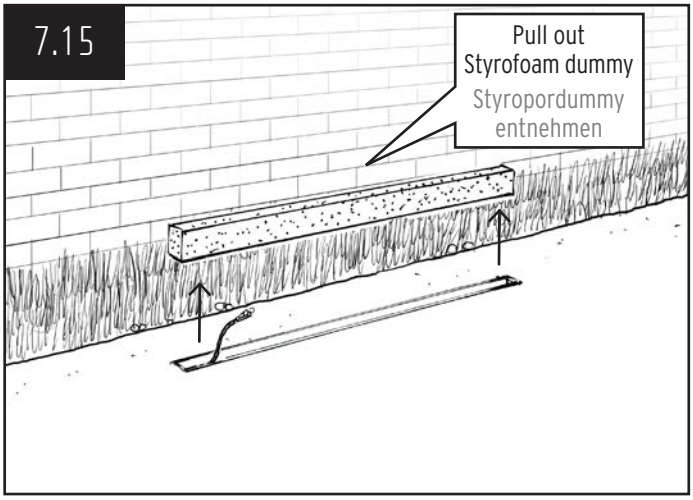
Filling with drainage material
Auffüllen mit Drainagematerial

7.14.2



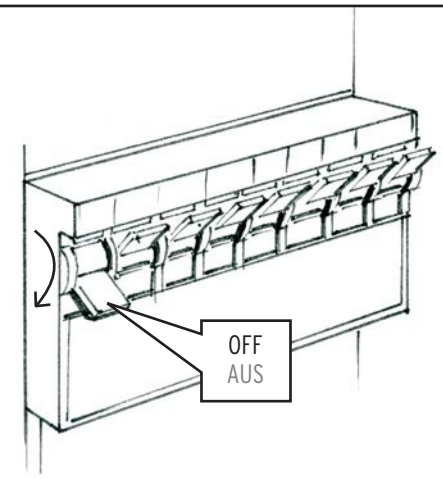
Filling with concrete
Auffüllen mit Beton

7.15

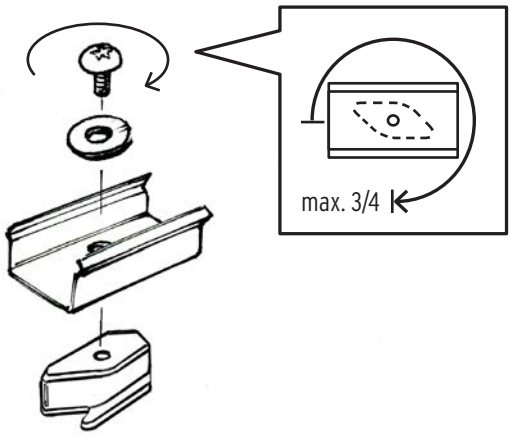


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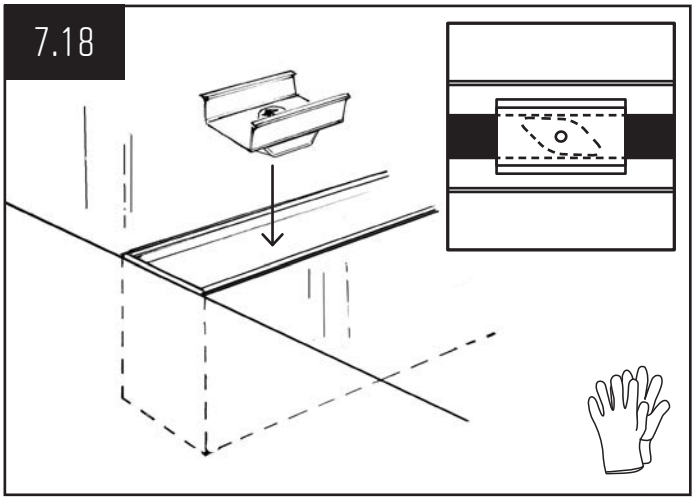
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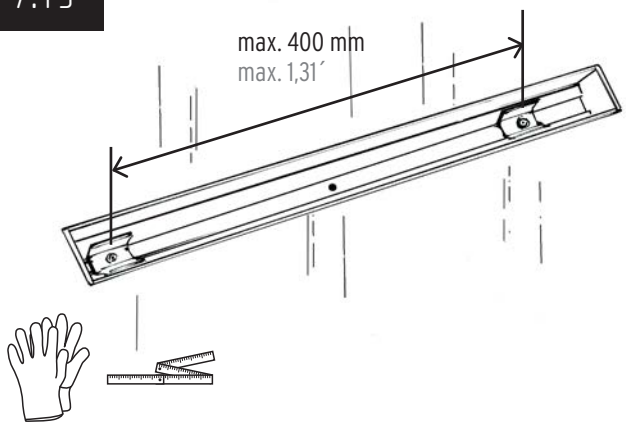
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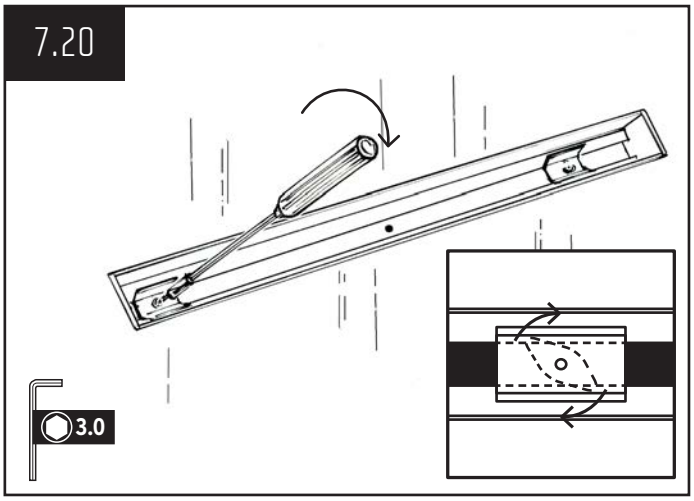
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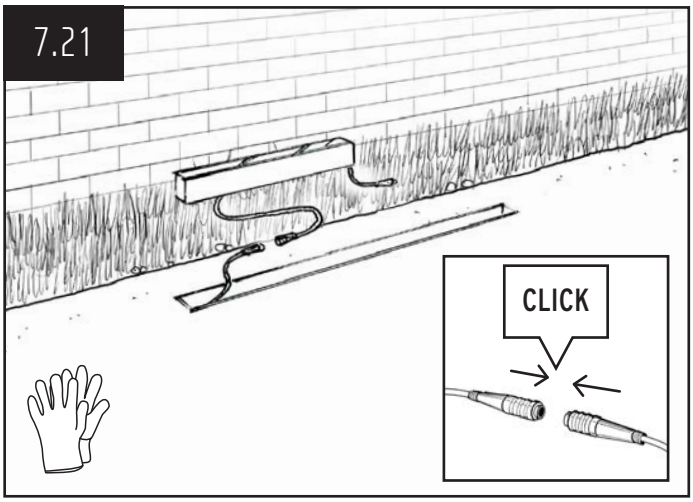
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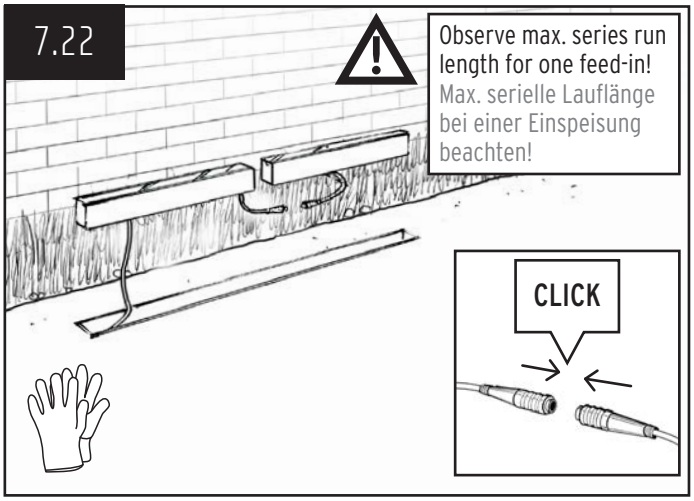
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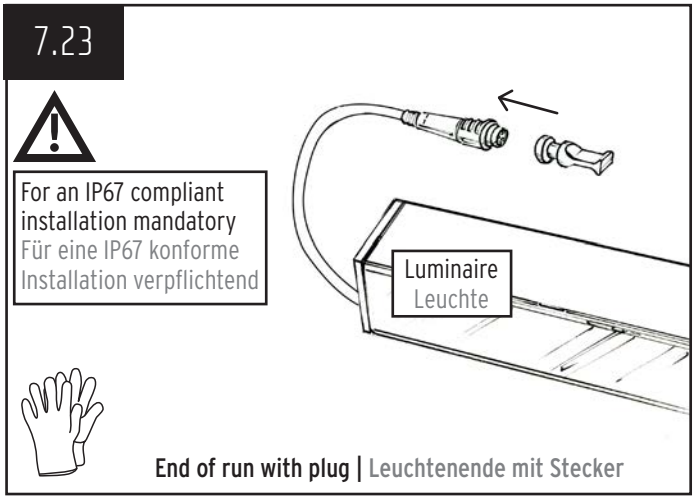
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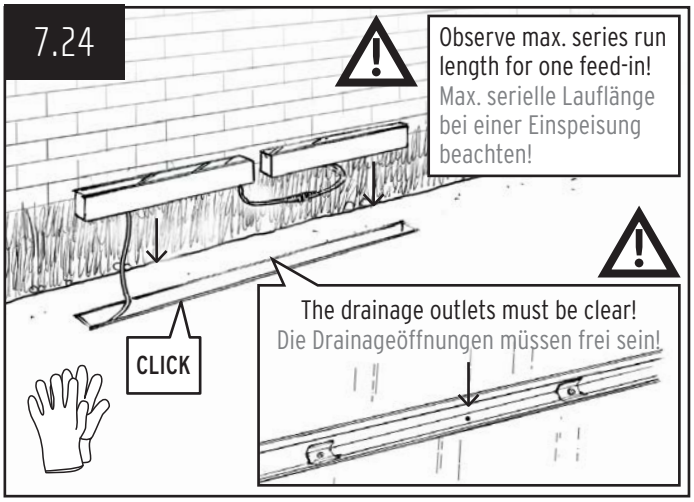
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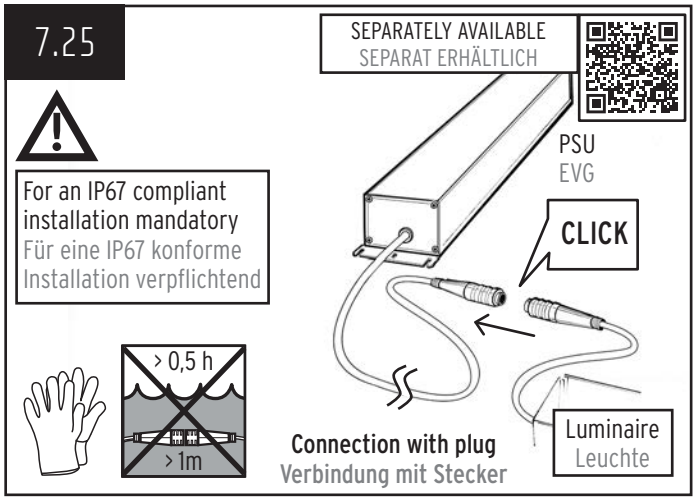
End of run with plug | Leuchtenende mit Stecker

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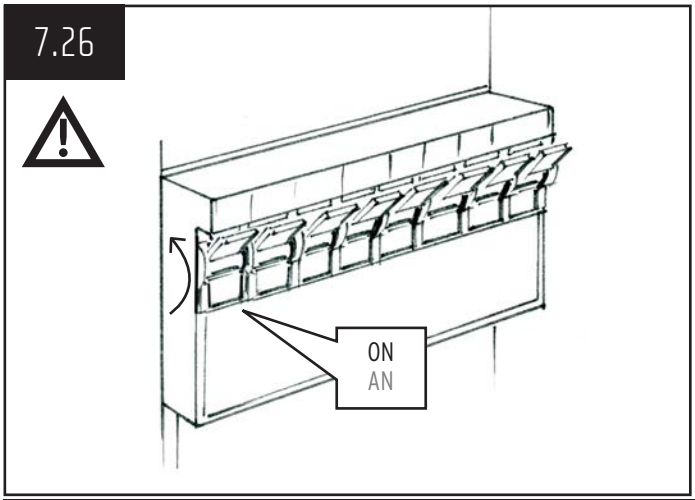
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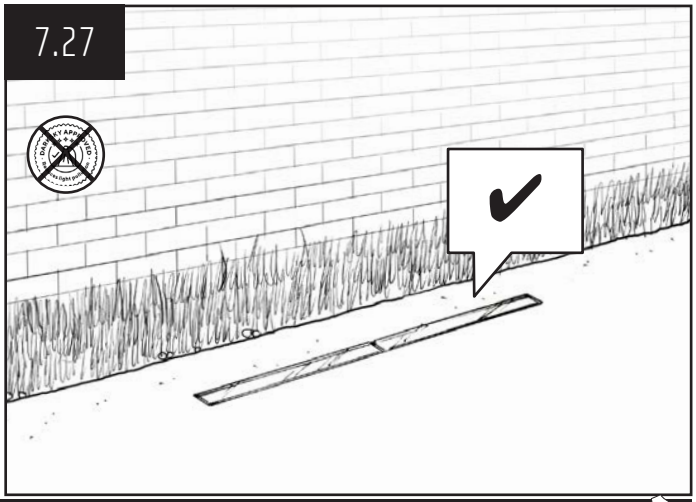
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7.26



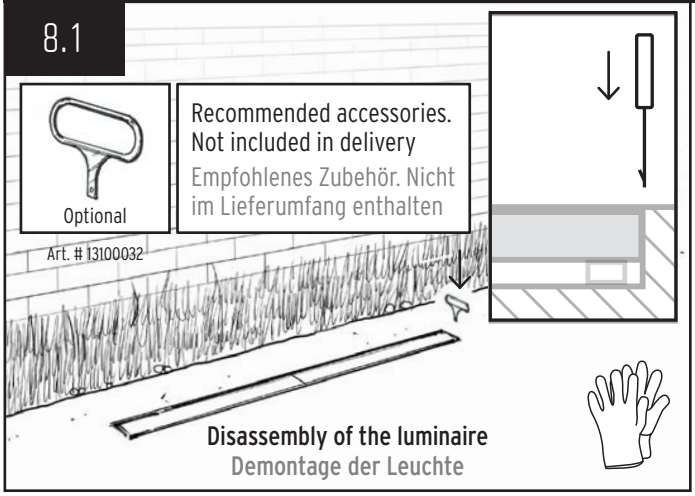
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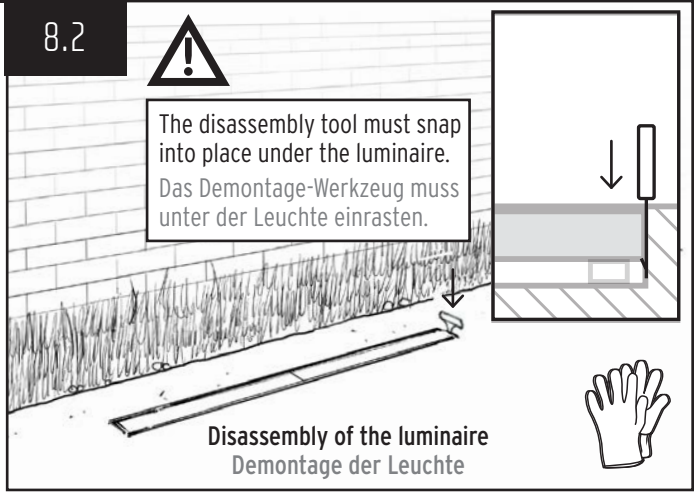
8. INGROUND FRAME DISASSEMBLY | EINBAURAHMEN DEMONTAGE

Back to overview | Zurück zur Übersicht

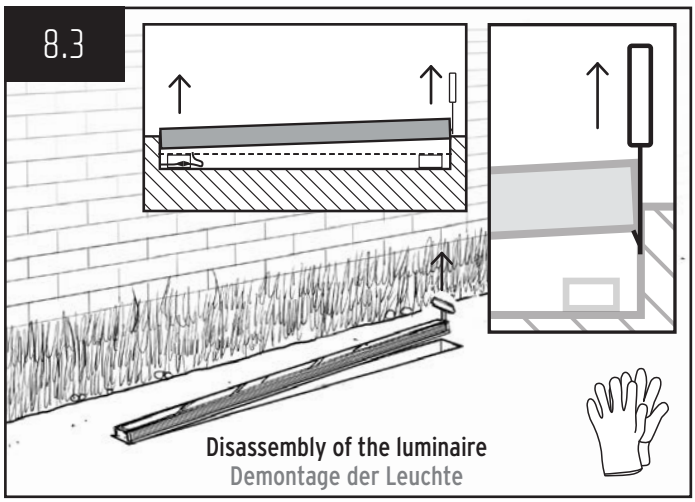
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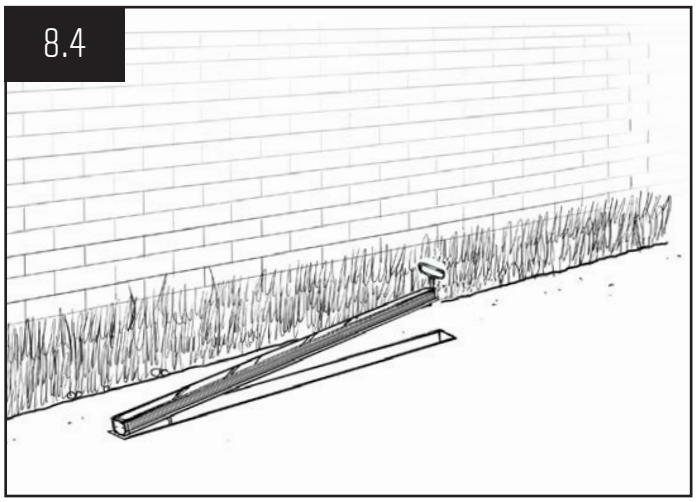
8.2



8.3



8.4

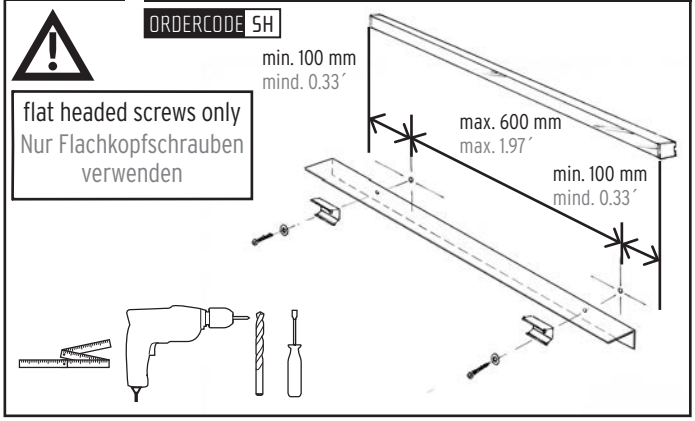


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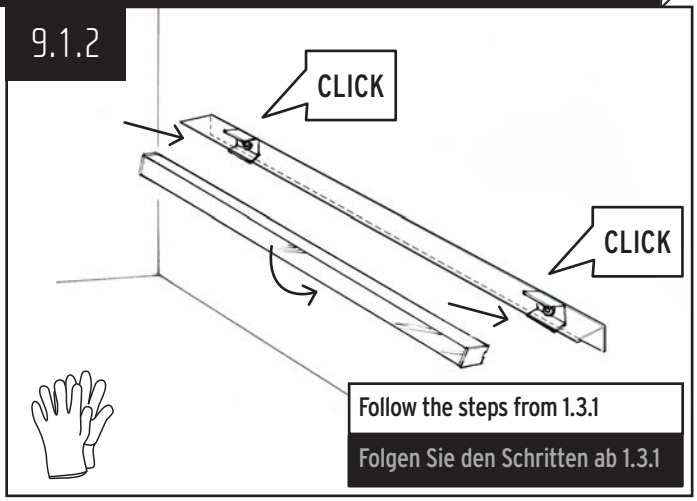
9.1.1 CHAPTER 1: GLARE SHIELD SURFACE MOUNTING HORIZONTAL
KAPITEL 1: BLENDSCHUTZ ANBAU HORIZONTAL

ORDERCODE SH

flat headed screws only
Nur Flachkopfschrauben verwenden



9.1.2

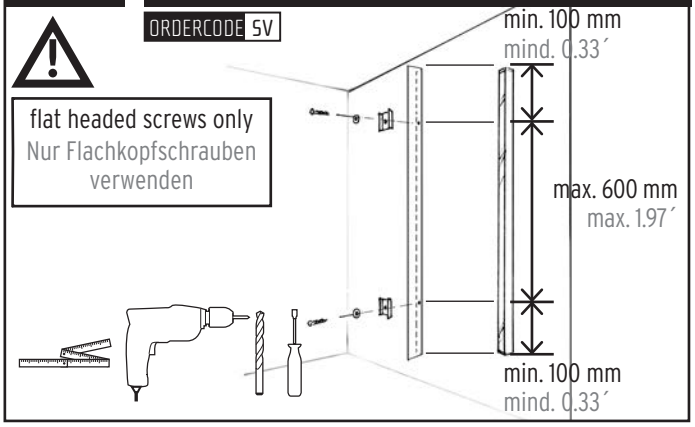


Follow the steps from 1.3.1
Folgen Sie den Schritten ab 1.3.1

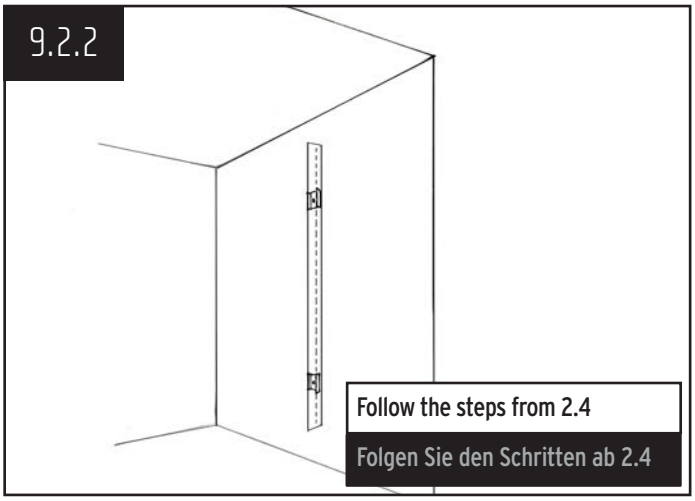
9.2.1 CHAPTER 2: GLARE SHIELD SURFACE MOUNTING VERTICAL
KAPITEL 2: BLENDSCHUTZ ANBAU VERTIKAL

ORDERCODE SV

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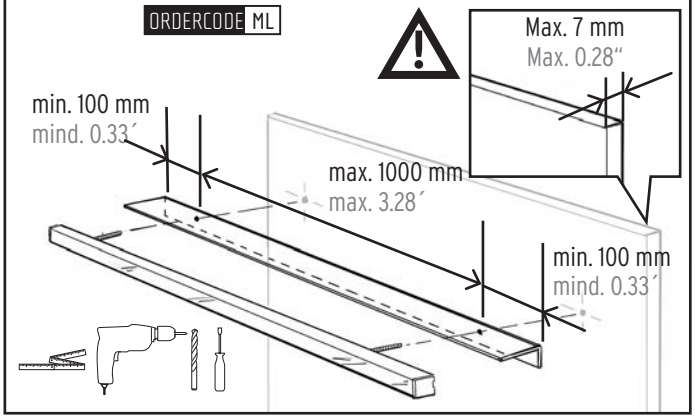
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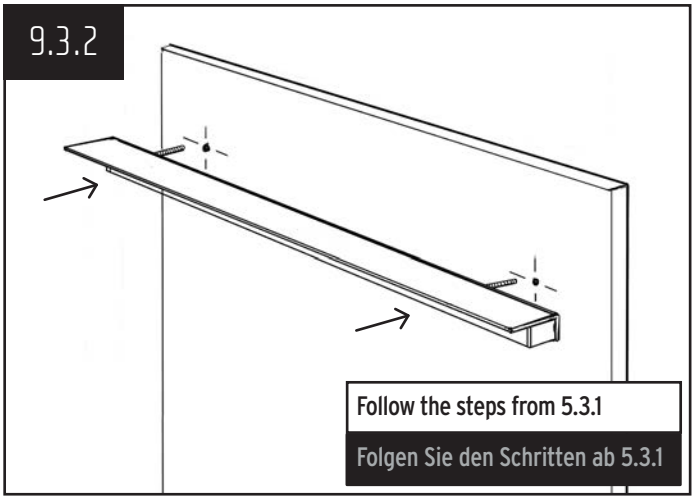
Follow the steps from 2.4
Folgen Sie den Schritten ab 2.4

9.3.1 CHAPTER 5: GLARE SHIELD MOUNTING LOCK
KAPITEL 5: BLENDSCHUTZ ANBAU MIT VERSCHRAUBUNG

ORDERCODE ML



9.3.2



Follow the steps from 5.3.1
Folgen Sie den Schritten ab 5.3.1

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