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LED LINEAR™

A Fagerhult Group Company

ULTIMA IP40

INSTALLATION INSTRUCTIONS
MONTAGEANLEITUNG

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.

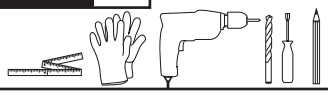
EXAMPLE | BEISPIEL



1. SURFACE MOUNTED WITH CLIP | ANBAU MIT CLIP

ORDERCODE PCL

Required tools | Erforderliches Werkzeug



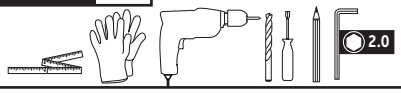
Included accessories
Enthaltenes Zubehör



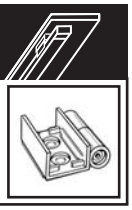
2. SURFACE MOUNTED WITH TILTABLE MOUNTING CLIP | ANBAU MIT SCHWENKWINKEL

ORDERCODE TMC

Required tools | Erforderliches Werkzeug



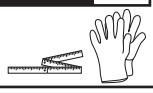
Included accessories
Mitgeliefertes Zubehör



3. SURFACE MOUNTED WITH GRID CEILING CLIP | ANBAU MIT CLIP RASTERDECKE

ORDERCODE GCC

Required tools | Erforderliches Werkzeug



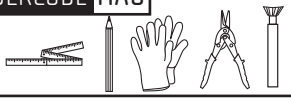
Included accessories
Enthaltenes Zubehör



4. RECESSED WITH STEEL STRIP | EINBAU MIT STAHLBAND

ORDERCODE MAG

Required tools | Erforderliches Werkzeug



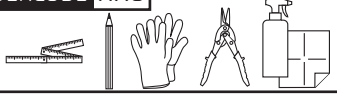
Required accessories
Erforderliches Zubehör



5. SURFACE MOUNTED WITH STEEL STRIP | ANBAU MIT STAHLBAND

ORDERCODE MAG

Required tools | Erforderliches Werkzeug



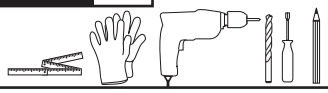
Required accessories
Erforderliches Zubehör



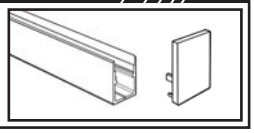
6. SURFACE MOUNTED WITH MOUNTING PROFILE | ANBAU MIT MONTAGEPROFIL

ORDERCODE HMP

Required tools | Erforderliches Werkzeug



Included accessories
Mitgeliefertes Zubehör



Printed on VIVUS 89 Recycling

MADE IN GERMANY

Art. # 33100090

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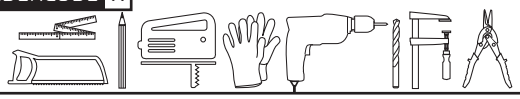
INSTALLATION INSTRUCTIONS
MONTAGEANLEITUNG

7. RECESSED WITH TRIM | EINBAU MIT RAHMEN



ORDERCODE **R**

Required tools | Erforderliches Werkzeug



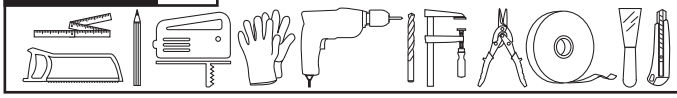
No required or additional accessory needed
Kein mitgeliefertes oder zusätzliches Zubehör notwendig

8. RECESSED TRIMLESS FOR PLASTERING | EINBAURAHMEN PUTZ



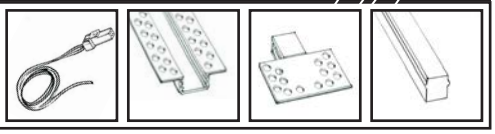
ORDERCODE **MAG**

Required tools | Erforderliches Werkzeug



Required tools
Erforderliches Werkzeug

Required accessories
Erforderliches Zubehör

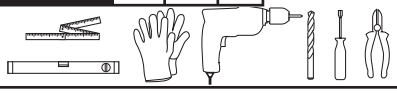


9. PENDANT FALSE CEILING/CONCRETE CEILING | PENDEL ABGEHÄNGTE DECKE/BETONDECKE

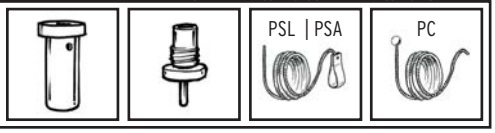


ORDERCODE **PSL** **PSA** **PC**

Required tools | Erforderliches Werkzeug



Included accessories
Mitgeliefertes Zubehör

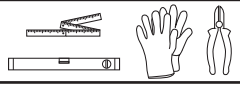


10. PENDANT GRID CEILING | PENDEL RASTERDECKE

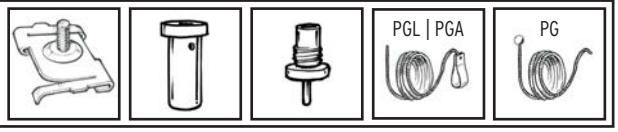


ORDERCODE **PGL** **PGA** **PG**

Required tools | Erforderliches Werkzeug



Included accessories
Mitgeliefertes Zubehör



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ULTIMA IP40

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.
- Please note the national installation and accident prevention regulations during installation. The installation must be performed only by a trained electrical specialist.
- Damaged cables may only be changed by trained electrical personnel.
- For improper installation or any subsequent change to the luminaire no liability is accepted.
- The light source of this lamp may be replaced only by the manufacturer or an authorized service technician or a similarly qualified person.
- LED lamps (without IP67 protection) must not be cleaned.
- 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 project management respectively our worldwide branches and distributors. Please send your request to info@led-linear.com.

Mains voltage / connection

- Check that there is no voltage of the system prior to installation and maintenance. Beware of electric shock!
- Only use Power supply units of the correct voltage.
- It is not allowed to use the luminaires with altered or damaged connector cables.
- In case of a three-phase installation do not interrupt the neutral conductor of the electronic ballasts.
- Avoid overvoltage at the electronic control gear.
- The cable must not cover the light-emitting portion.
- Connecting and disconnecting the luminaire and the control gear under present voltage can cause damage to the components.
- Mismatched luminaires and control gears can damage each other.
- Wrongly polarized cables damage the luminaire.
- The installation of a Dali system may only be performed by trained personnel. Pay attention to any necessary mains voltage resistance of the Dali operating device.
- Only suitable dimmers must be used for dimming. Observe the manufacturer's instructions. Not suitable dimmers can damage the whole system.
- Terminals in accordance with EN 60998-2-1 or EN 60998-2-2 must be used for connecting the lamp to the power grid.

Environment

- Pay attention to the allowable ambient conditions under which the luminaire may be operated.
- Install the luminaire in a place where it is not exposed to direct sunlight or heat sources.
- Ensure that the recessed version is not covered with insulating material.
- Do not cover luminaire and control gear to prevent overheating.
- Pay attention to the minimum distance between luminaire and lighted object.
- Be careful with allowable floor loads in case of ceiling mounting of the luminaire.
- Exterior lighting should be used only after sunset until sunrise.
- IP20/IP40: Suitable for indoor use only.

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 darf nur von einer geschulten elektrotechnischen Fachkraft durchgeführt werden.
- Beschädigte Leitungen dürfen nur von geschultem elektrotechnischen Fachpersonal gewechselt werden.
- Bei unsachgemäßer Montage oder nachträglicher Änderung an der Leuchte wird keine Haftung übernommen.
- Die Lichtquelle dieser Leuchte darf nur vom Hersteller oder einem von ihm beauftragten Servicetechniker oder einer vergleichbar qualifizierten Person ersetzt werden.
- LED-Leuchtmittel (ohne IP67 Schutz) dürfen nicht gereinigt werden.
- 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 Projektmanagement bzw. unsere weltweiten Niederlassungen und Distributoren zur Verfügung. Bitte richten Sie Ihre Anfrage an info@led-linear.com.

Netzspannung / Anschluss

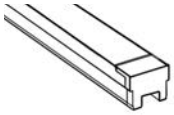
- Überprüfen Sie die Spannungsfreiheit des Systems vor Montage und Wartung. Achtung Stromschlaggefahr!
- Setzen Sie nur Netzteile mit geeigneter Netzspannung ein.
- Der Betrieb der Leuchte mit veränderten oder beschädigten Anschlussleitungen ist nicht zulässig.
- Unterbrechen Sie bei einer Dreiphaseninstallation nicht den Neutralleiter der elektronischen Betriebsgeräte.
- Vermeiden Sie Überspannung an den elektronischen Betriebsgeräten.
- Die Anschlussleitung darf den Lichtausstrahlungsbereich nicht verdecken.
- Verbinden und Trennen der Leuchte und des Betriebsgeräts unter anliegender Netzspannung kann zu Beschädigungen der Komponenten führen.
- Nicht zueinander passende Leuchten und Betriebsgeräte können sich gegenseitig beschädigen.
- Falsch gepolte Leitungen beschädigen die Leuchte.
- Die Installation einer Dali Anlage darf nur von geschulten Fachkräften durchgeführt werden. Achten Sie auf die eventuell erforderliche Netzspannungsfestigkeit des Dali-Betriebsgeräts.
- Für den Dimmbetrieb sind nur geeignete Dimmer einzusetzen. Beachten Sie die Herstellerangaben. Nicht geeignete Dimmer können das Gesamtsystem beschädigen.
- Zum Anschluss der Leuchte an das Versorgungsnetz sind Anschlussklemmen in Übereinstimmung mit EN 60998-2-1 oder EN 60998-2-2 zu verwenden.

Umgebung

- Achten Sie auf die bestimmungsgemäßen Umgebungsbedingungen, unter denen die Leuchte betrieben werden darf.
- Installieren Sie die Leuchte an einem Ort, an der sie nicht direkter Sonneneinstrahlung oder Wärmequellen ausgesetzt wird.
- Achten Sie darauf, dass die Einbauvariante nicht mit Dämmmaterial abgedeckt wird.
- Decken Sie Leuchte und Betriebsgerät wegen Überhitzungsgefahr nicht ab.
- Achten Sie auf den Mindestabstand zwischen Leuchte und beleuchtetem Objekt.
- Achten Sie bei Deckenbefestigung der Leuchte auf die zulässigen Deckenlasten.
- Außenbeleuchtung sollte nur nach Sonnenuntergang bis zum Sonnenaufgang betrieben werden.
- IP20/IP40: Nur geeignet für Innenräume.

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OPAL	15° | 25° | 40° | 60° | BW	AS



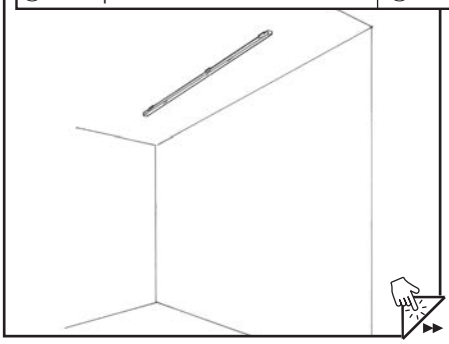


1. SURFACE MOUNTED WITH CLIP 1.1–1.8
ANBAU MIT CLIP

ORDERCODE PCL



MONO with white cable
mit weißem Kabel
⊕ WHITE + TEXT | WEISS + BESCHRIFTUNG
⊖ GREY | GRAU



Included accessories
Enthaltenes Zubehör



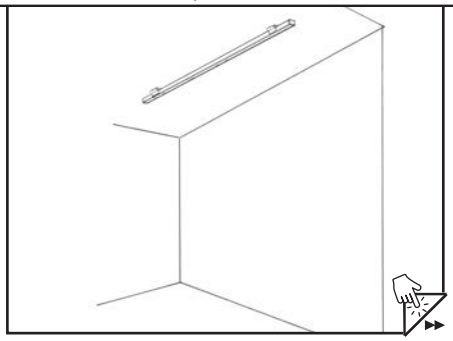
Black | Schwarz Art. # 13000367-SCH
White | Weiß Art. # 13000367-W
Set of 3 | Set aus 3 Stk.

2. SURFACE MOUNTED WITH TILTABLE MOUNTING CLIP 2.1–2.10
ANBAU MIT SCHWENKWINKEL

ORDERCODE TMC



MONO with black cable
mit schwarzem Kabel
⊕ BLACK + TEXT | SCHWARZ + BESCHRIFTUNG
⊖ BLACK + INTERRUPTED LINE | SCHWARZ + GESTRICHELTE LINIE



Included accessories
Enthaltenes Zubehör



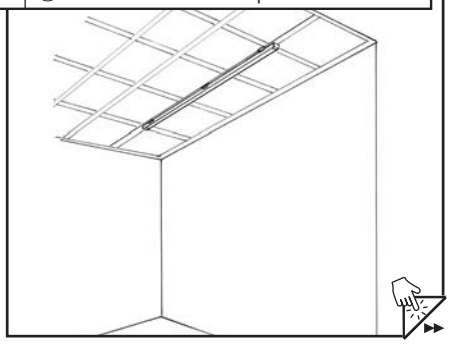
Black | Schwarz Art. # 13000494-SCH
White | Weiß Art. # 13000494-W
Set of 1 | Set aus 1 Stk.

3. SURFACE MOUNTED WITH GRID CEILING CLIP 3.1–3.9
ANBAU MIT CLIP RASTERDECKE

ORDERCODE GCC



TW
⊕ RED | ROT + WHITE | WEISS
⊖ BLUE: COLD WHITE | BLAU: KALTWEISS
⊖ GREEN: WARM WHITE | GRÜN: WARMWEISS



Included accessories
Enthaltenes Zubehör



Black | Schwarz Art. # 13000368-SCH
White | Weiß Art. # 13000368-W
Set of 3 | Set aus 3 Stk.

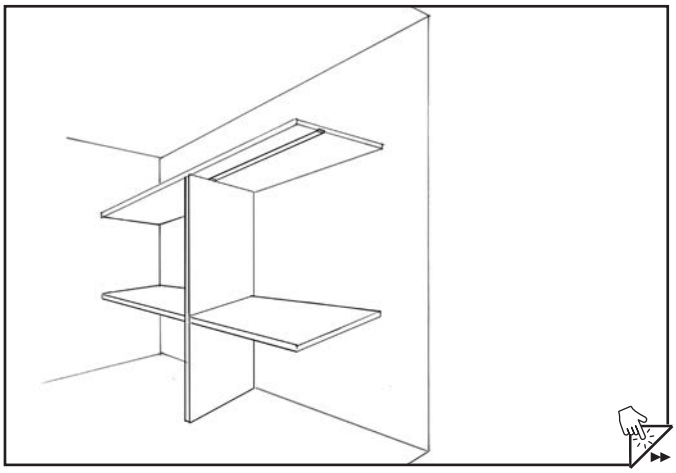


Length of the luminaire (mm) Länge der Leuchte (feet)	ORDERCODE PCL or GCC Number of mounting accessories Anzahl der Befestigungen	ORDERCODE TMC Number of mounting accessories Anzahl der Befestigungen
0 - 1012 | 0 - 3.32	3	2
1013 - 2012 | 3.32 - 6.60	6	3

4. RECESSED WITH STEEL STRIP 4.1 – 4.11
EINBAU MIT STAHLBAND

ORDERCODE MAG





Required accessories
Erforderliches Zubehör



Art. # 18100049

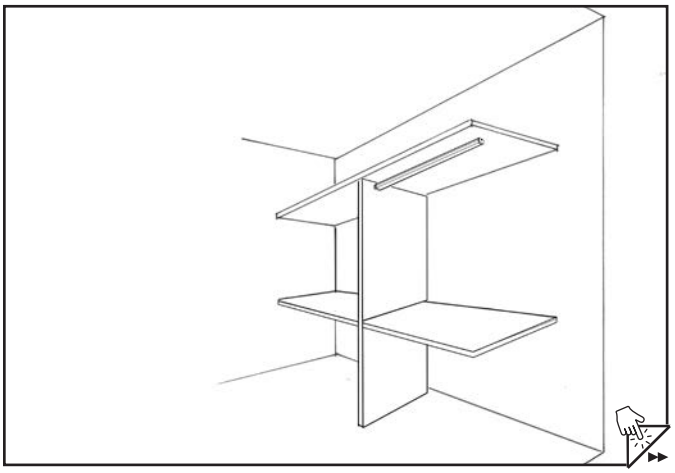
W x L: 0.79'' x 98.4''
B x L: 20 mm x 30 m

Magnet ist an der Leuchte befestigt, wenn im Ordercode MAG ausgewählt ist.
The magnet is attached to the light fitting if 'MAG' is selected in the order code.

5. SURFACE MOUNTED WITH STEEL STRIP 5.1–5.11
ANBAU MIT STAHLBAND

ORDERCODE MAG





Required accessories
Erforderliches Zubehör



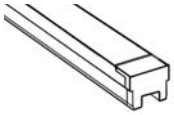
Art. # 18100048

W x L: 0.39'' x 98.4''
B x L: 10 mm x 30 m

Magnet ist an der Leuchte befestigt, wenn im Ordercode MAG ausgewählt ist.
The magnet is attached to the light fitting if 'MAG' is selected in the order code.

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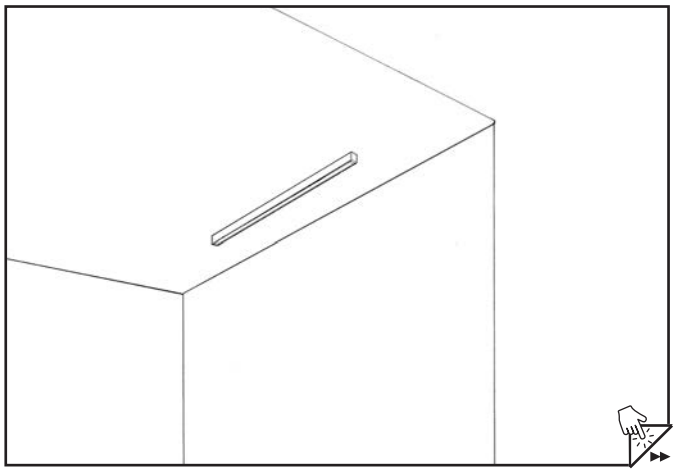
OPAL	15° | 25° | 40° | 60° | BW	AS





6. SURFACE MOUNTED WITH MOUNTING PROFILE 6.1 – 6.9
ANBAU MIT MONTAGEPROFIL

ORDERCODE **HMP**

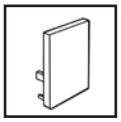


Included accessories
Enthaltenes Zubehör



Art. # 10000623-RAL9004-2m/4m
Art. # 10000623-RAL9003-2m/4m

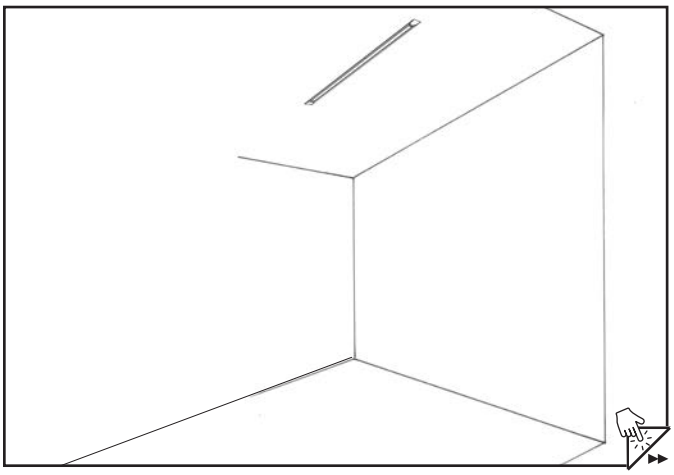
Included accessories
Enthaltenes Zubehör



Black | Schwarz Art. # 11000296-SCH
White | Weiss Art. # 11000296-W
Set of 2 | Set aus 2 Stk.

7. RECESSED WITH TRIM 7.1 – 7.9
EINBAU MIT RAHMEN

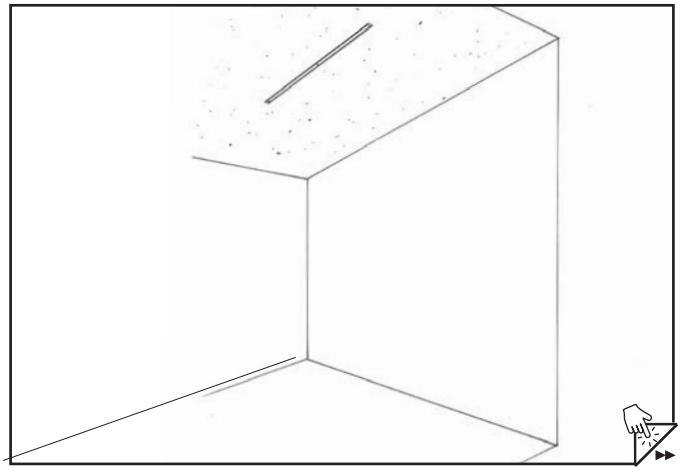
ORDERCODE **R**



No accessories required
Kein Zubehör notwendig

8. RECESSED TRIMLESS FOR PLASTERING 8.1 – 8.31
EINBAURAHMEN PUTZ

ORDERCODE **X**



Optional accessories
Optionales Zubehör

Required accessories
Erforderliches Zubehör

A



Static White, 2m
Statisches Weiß, 2 m:
Art. # 15000142
Tunable White, 2m
Dynamisches Weiß:
Art. # 15000202

B



Endcap | Endkappen
Set of 2 | Set aus 2 Stk.
White | Weiss
Art. # 13000389-W

C



Trimless mounting profile for Ultima-S
Einputzprofil
für Ultima-S MAG, weiss
Art.# 10000625-W-2m

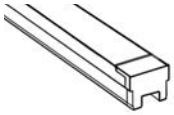
D



Plastering dummy 5m
Einputz Dummy 5m
Art. # 10000601

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OPAL	15° | 25° | 40° | 60° | BW	AS

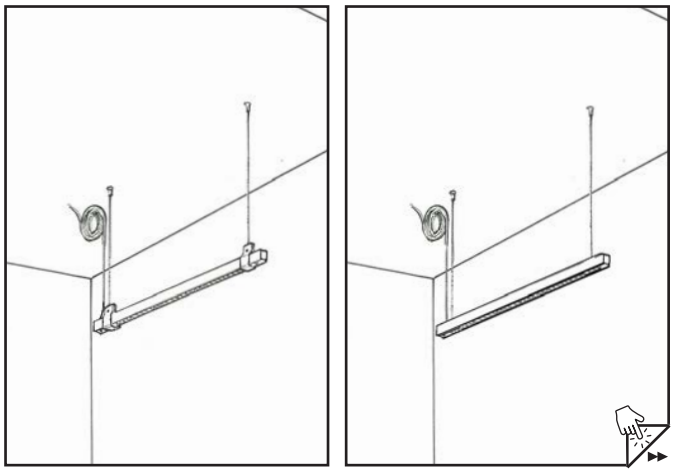




9. PENDEL ABGEHÄNGTE DECKE / BETONDECKE 9.1–9.6.2
PENDANT FALSE CEILING / CONCRETE CEILING

ORDERCODE PSL | PSA | PC





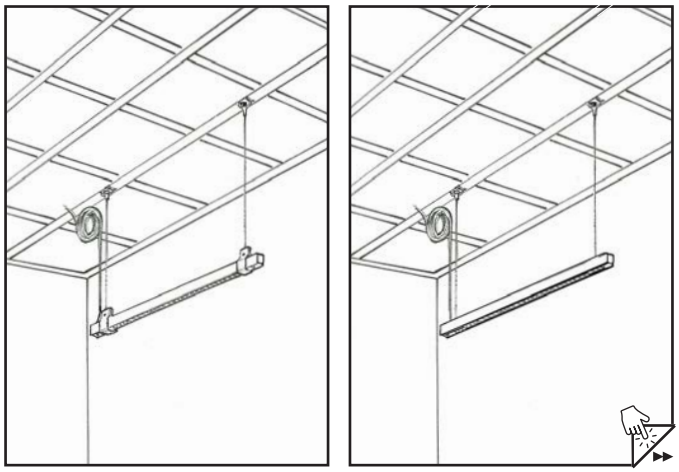
Included accessories
Enthaltenes Zubehör

B	C	D	E
			
Silver | Silber Art. # 13000023 Black | Schwarz Art. # 13000023-SCH	Silver | Silber Art. # 13000286 Black | Schwarz Art. # 13000022-SCH	Leather | Leder Art. # 13000409 AppleSkin Art. # 13000427	Silver | Silber Art. # 13000027 Black | Schwarz Art. # 13000204-SCH

10. PENDEL RASTERDECKE 10.1–10.7.2
PENDANT GRID CEILING

ORDERCODE PGL | PGA | PG





Included accessories
Enthaltenes Zubehör

A	B	C	D	E
				
White | Weiß Art. # 13000406-W Black | Schwarz Art. # 13000406-SCH	Silver | Silber Art. # 13000023 Black | Schwarz Art. # 13000023-SCH	Silver | Silber Art. # 13000286 Black | Schwarz Art. # 13000022-SCH	Leather | Leder Art. # 13000409 AppleSkin Art. # 13000427	Silver | Silber Art. # 13000027 Black | Schwarz Art. # 13000204-SCH



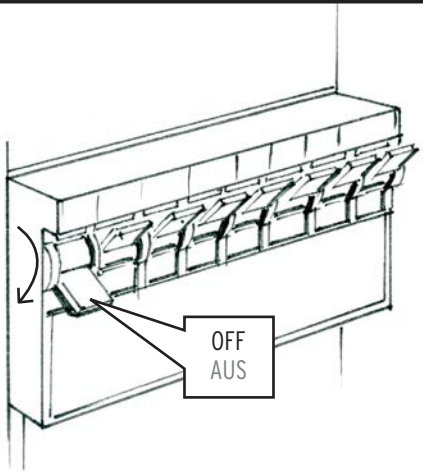
Pendant Pendel	Number of mounting accessories Anzahl der Befestigungen					
Length of the luminaire (mm) Länge der Leuchte (feet)	**PC**	**PG**	**PSL**	**PSA**	**PGL**	**PGA**
766 - 1516 mm | 2,51 - 4,97	2	2	2	2	2	2
1516 - 3016 mm | 4,97 - 9,90	3	3	3	3	3	3
2516 - 4016 mm | 8,25 - 13,18	4	4	4	4	4	4

1. SURFACE MOUNTED WITH CLIP | ANBAU MIT CLIP

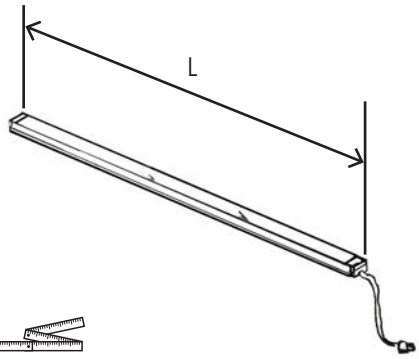
Back to overview | Zurück zur Übersicht

1.1





1.2

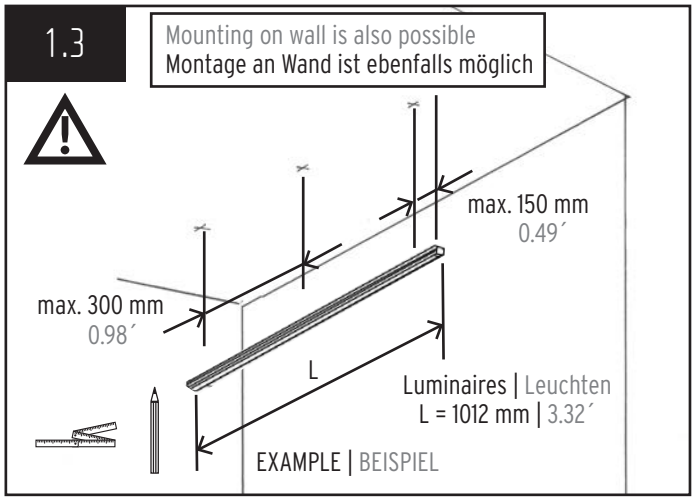




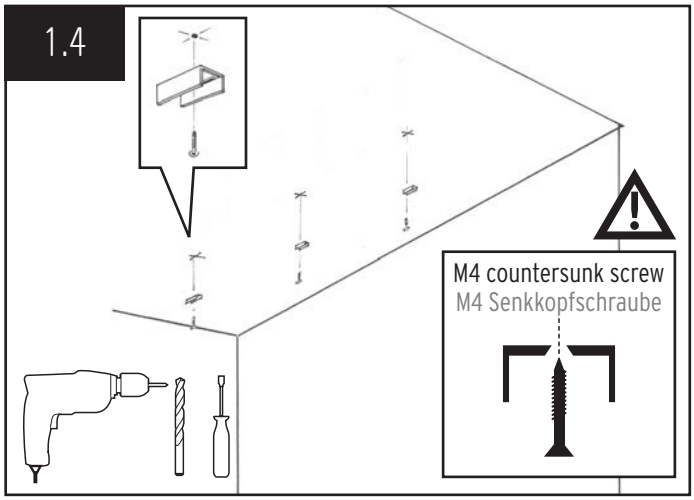
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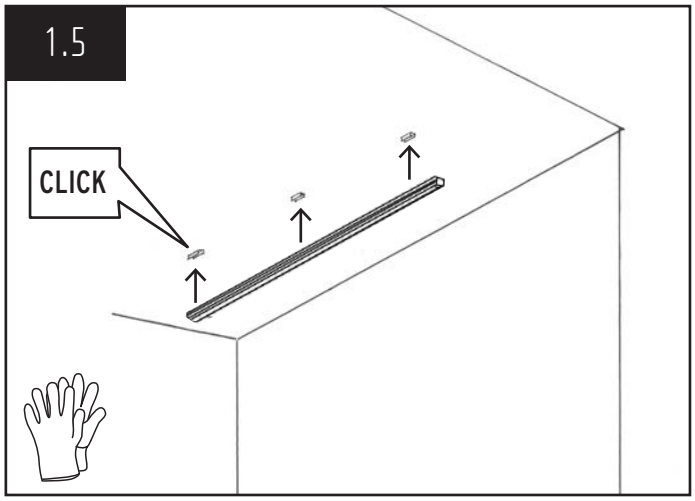
Mounting on wall is also possible
Montage an Wand ist ebenfalls möglich



1.4

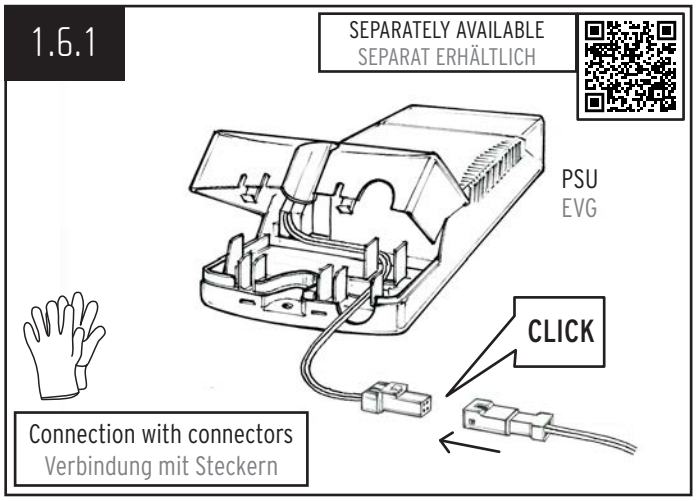


1.5



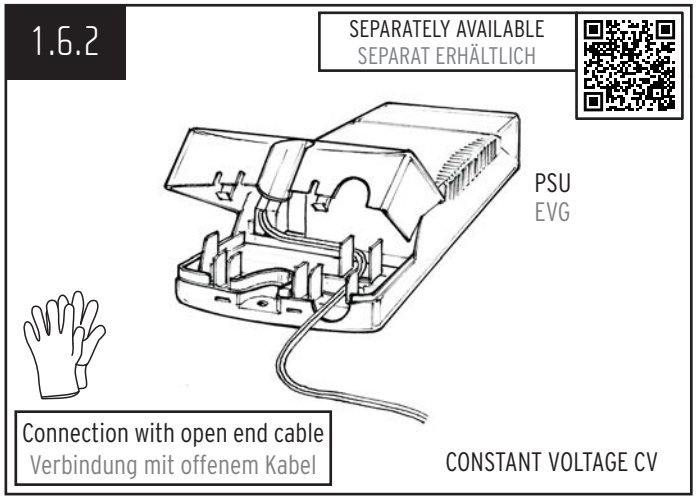
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SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

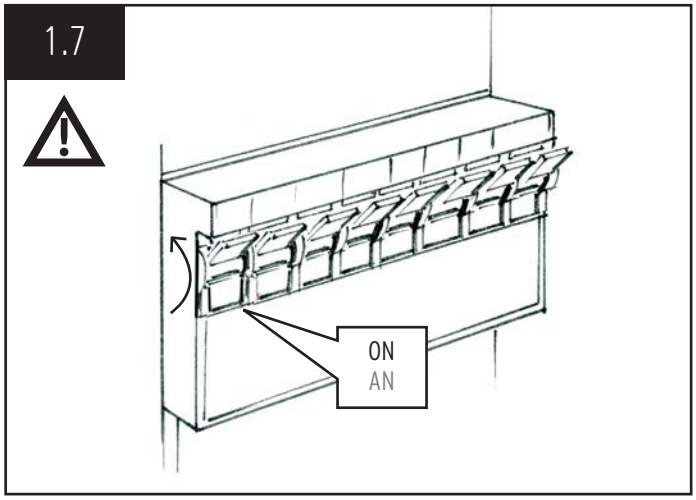


1.6.2

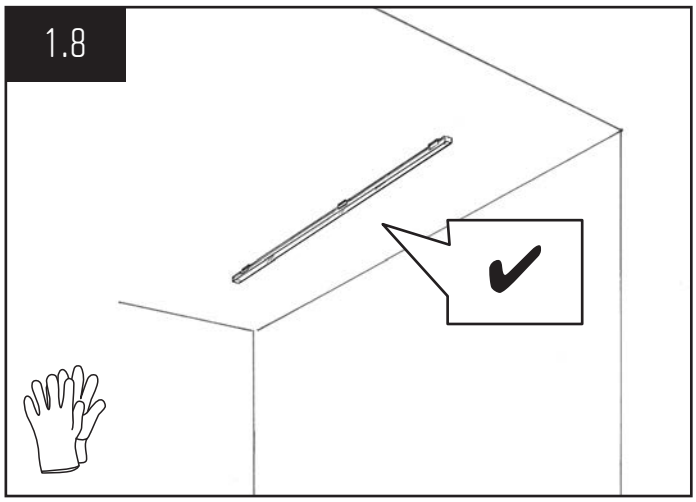
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



1.7

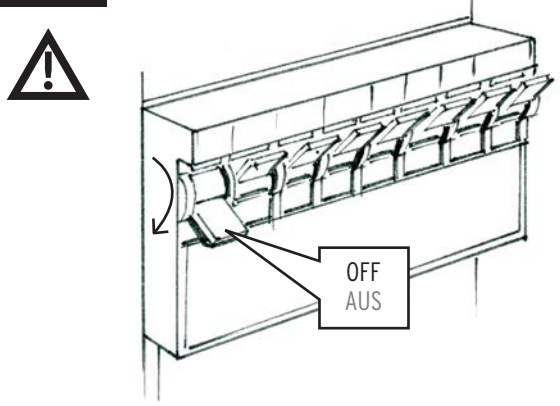


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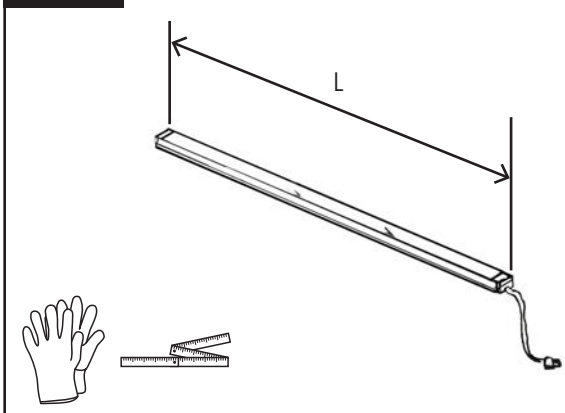


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2.1

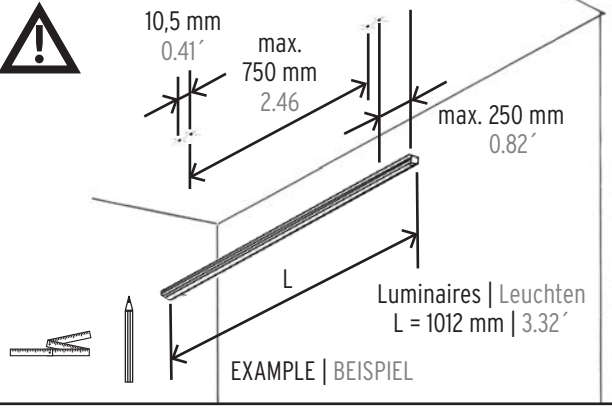


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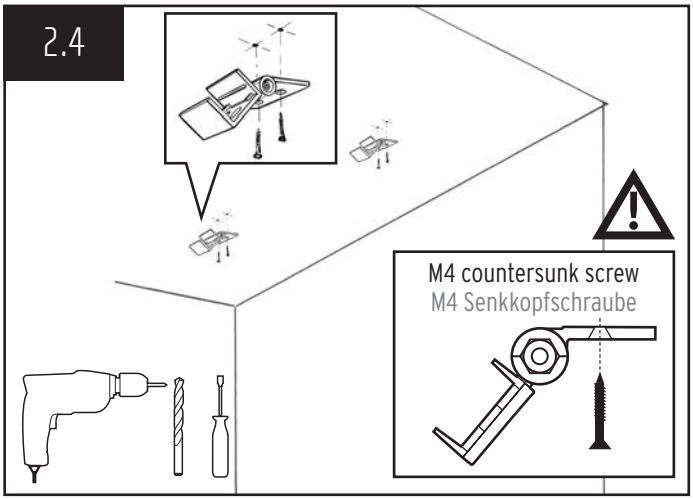


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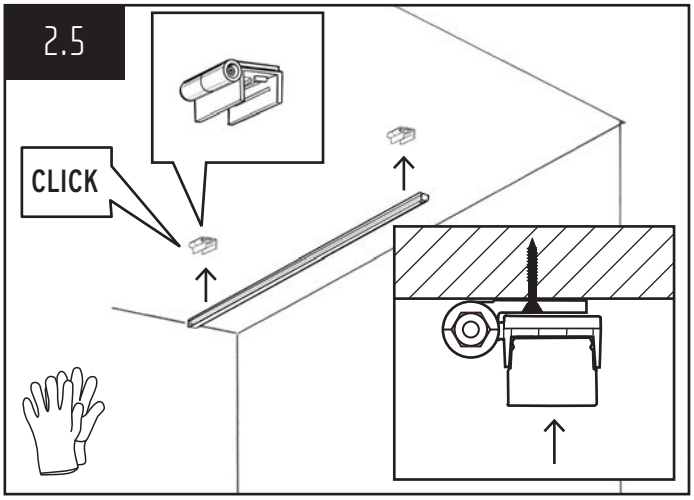
Mounting on wall is also possible
Montage an Wand ist ebenfalls möglich



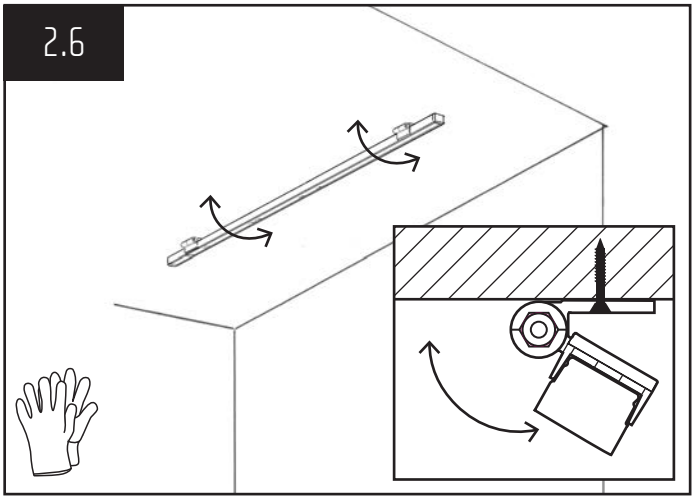
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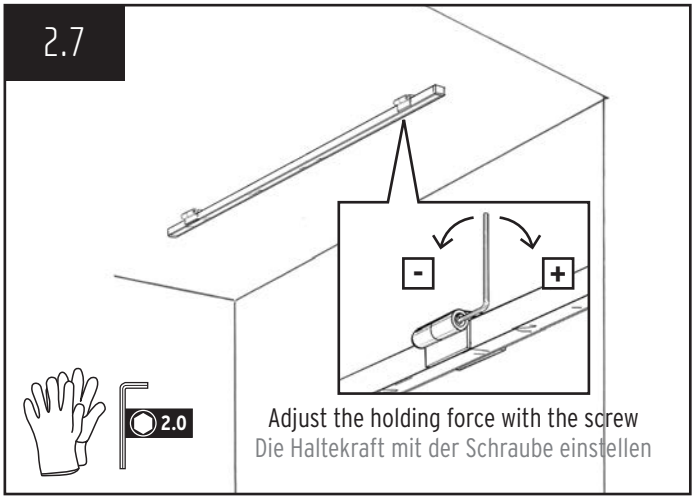
2.5



2.6



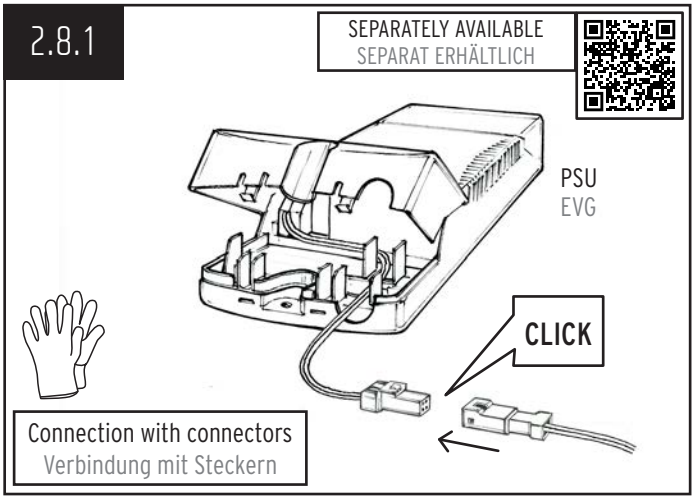
2.7



Adjust the holding force with the screw
Die Haltekraft mit der Schraube einstellen

2.8.1

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

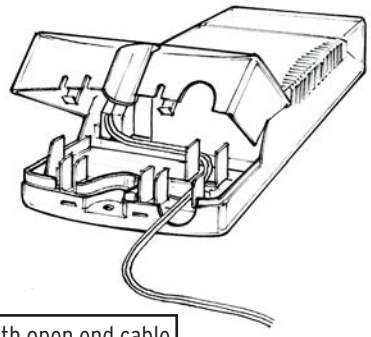


Connection with connectors
Verbindung mit Steckern

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2.8.2

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SEPARAT ERHÄLTLICH

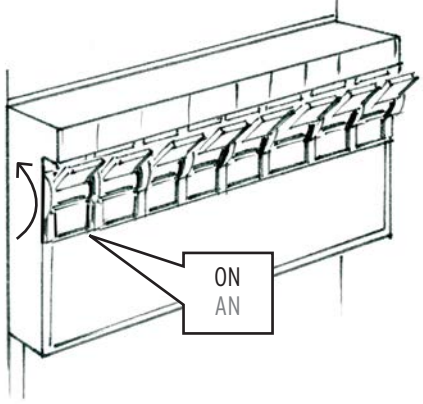


PSU
EVG

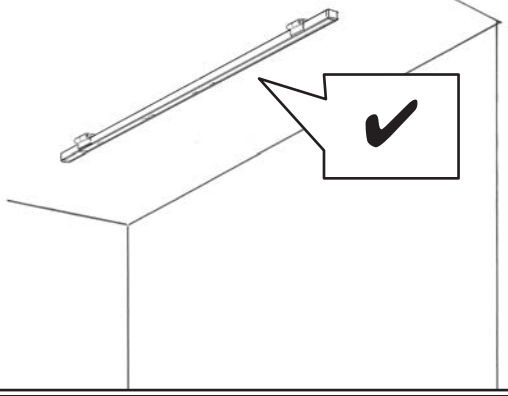
Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

2.9



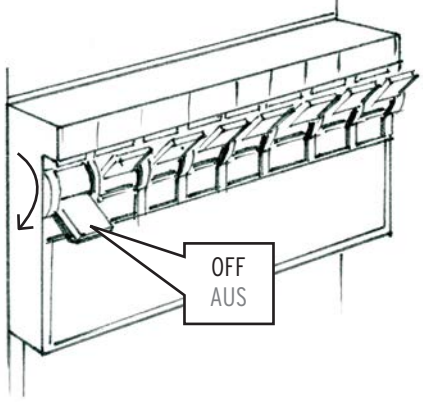
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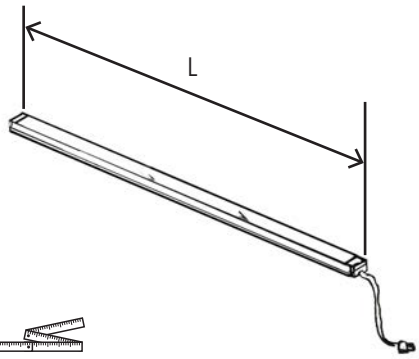
3. SURFACE MOUNTED WITH GRID CEILING CLIP | ANBAU MIT CLIP RASTERDECKE

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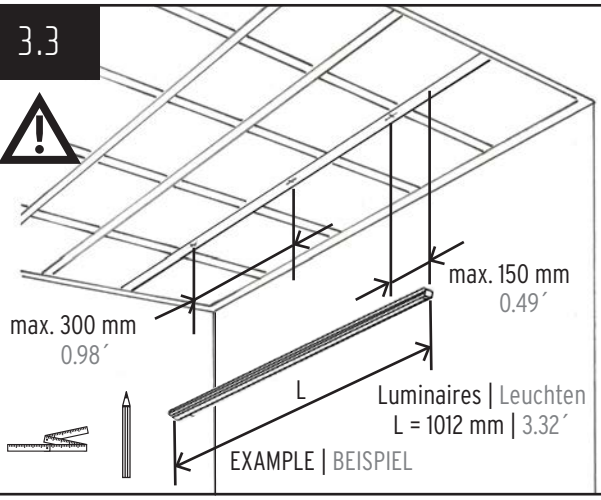
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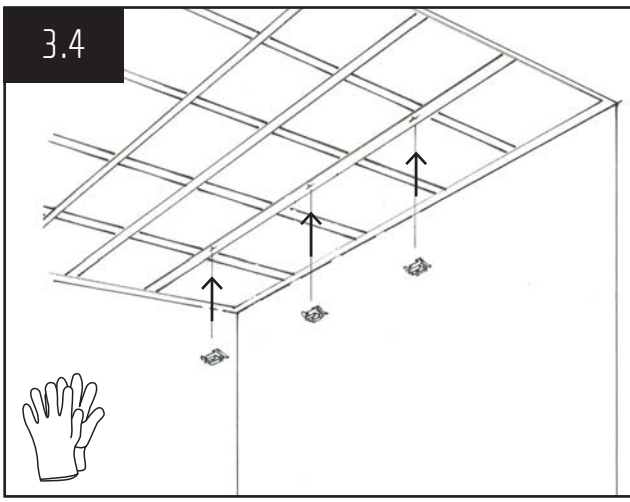
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3.3

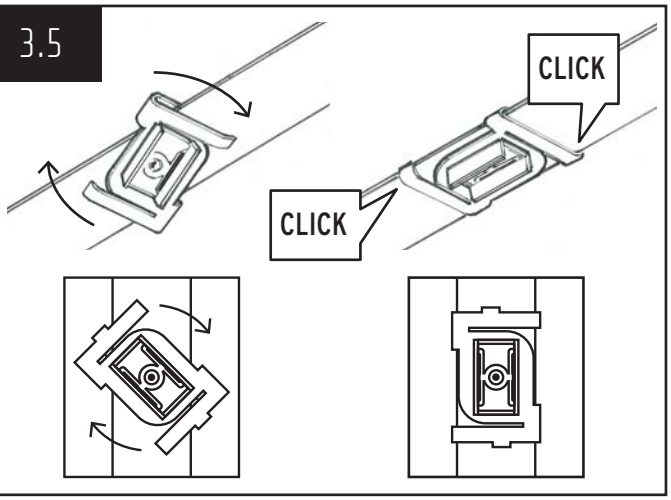


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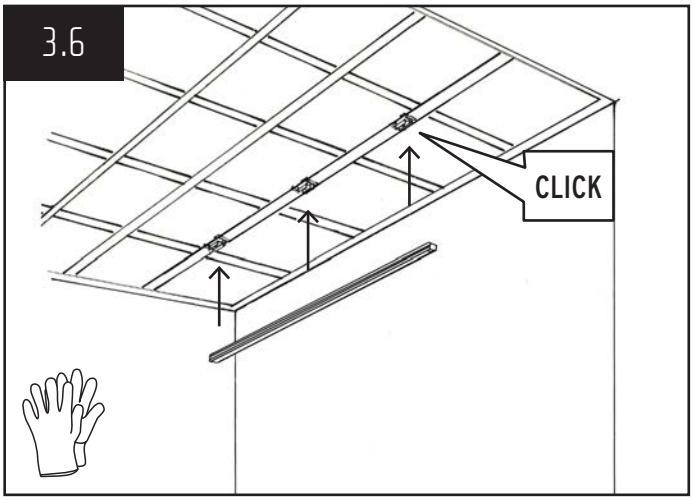


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3.5

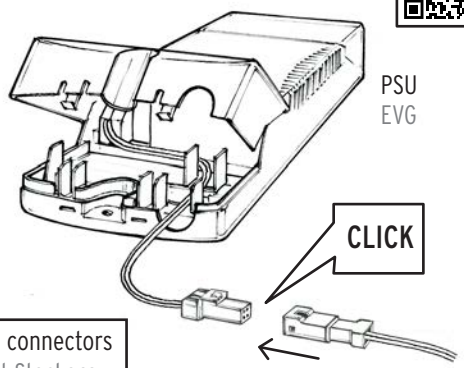


3.6



3.7.1

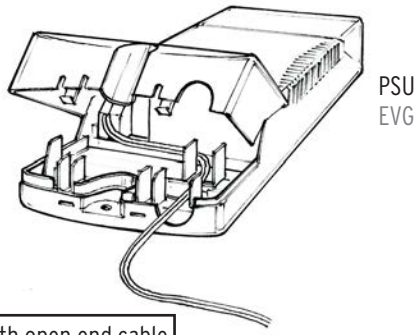
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SEPARAT ERHÄLTLICH



Connection with connectors
Verbindung mit Steckern

3.7.2

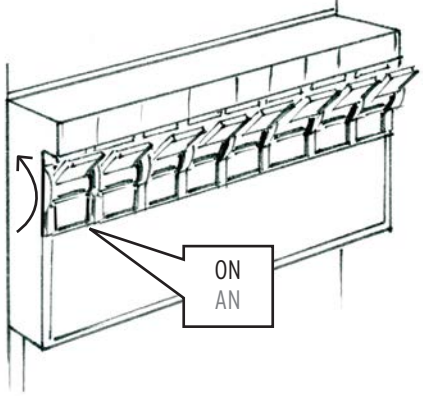
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



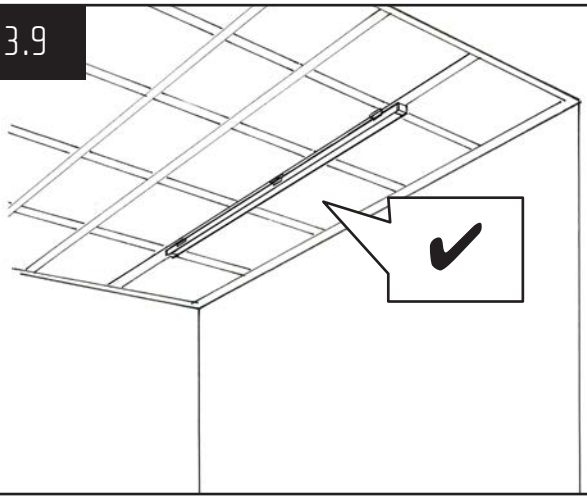
Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

3.8



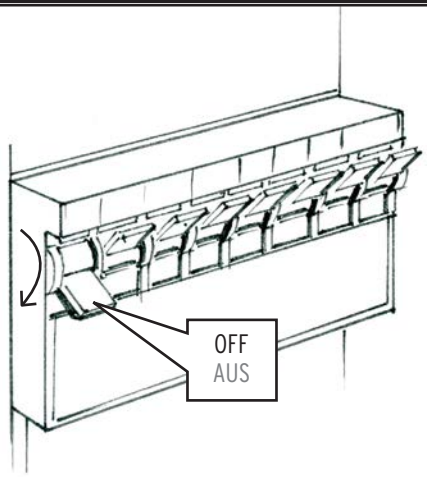
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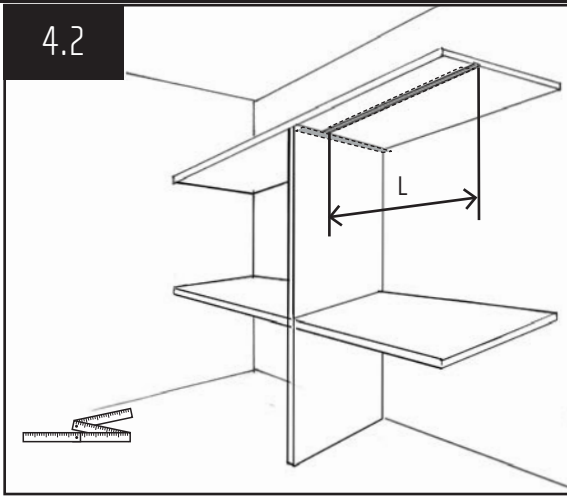
4. RECESSED WITH STEEL STRIP | EINBAU MIT STAHLBAND

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4.1

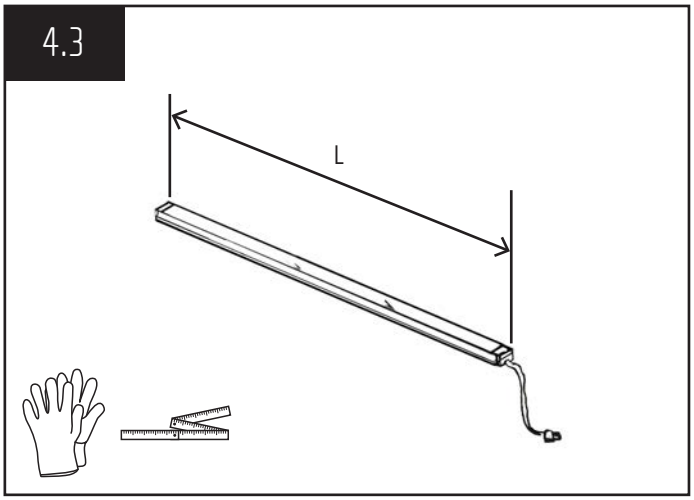


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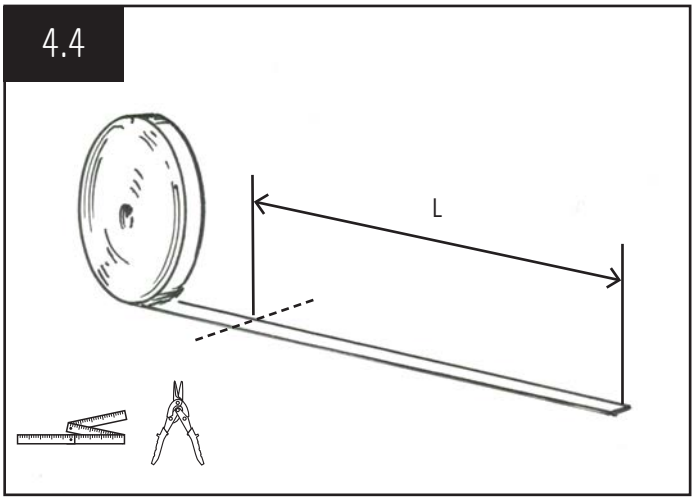


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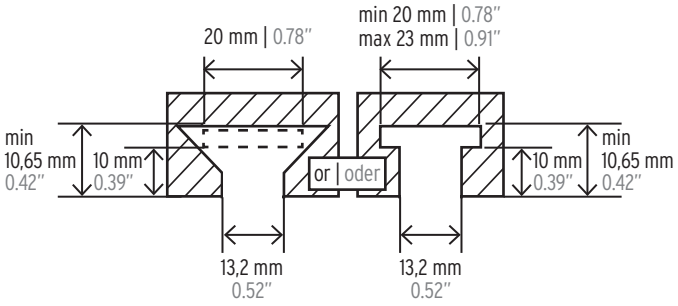
4.3



4.4



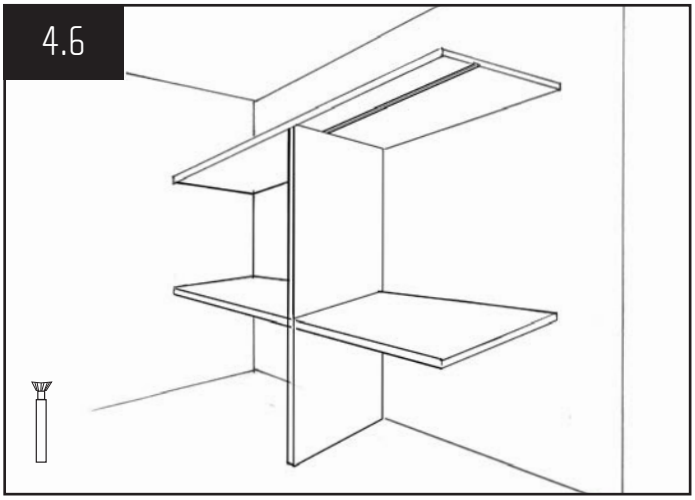
4.5 DIMENSIONS FOR GROOVES | ABMASSE FÜR NUTEN



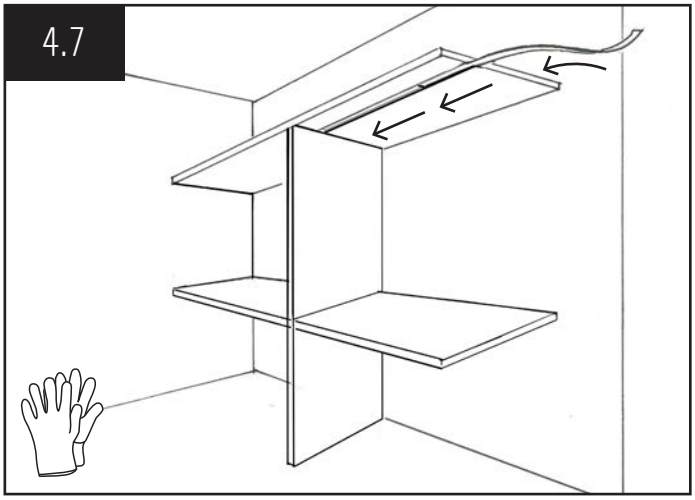
For all orientations
Für alle Ausrichtungen

Only for orientation shown
Nur für dargestellte Ausrichtung

4.6

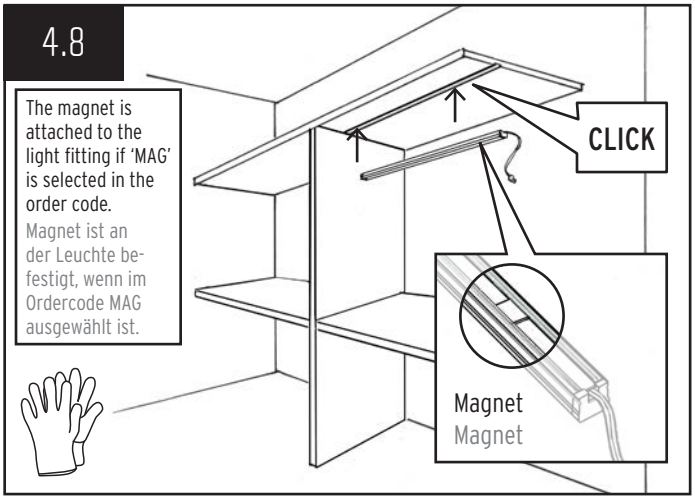


4.7



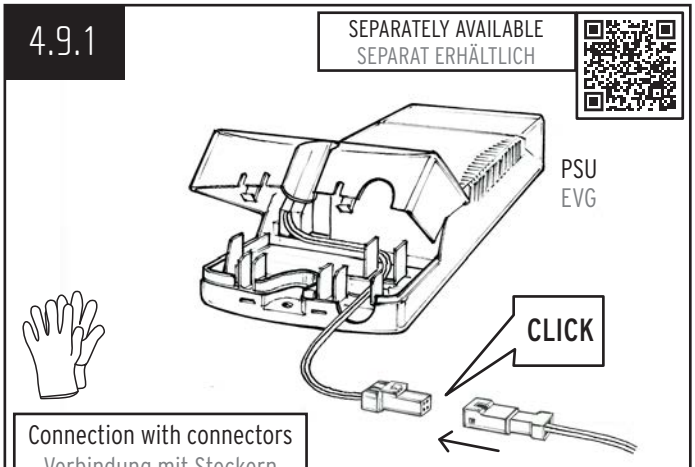
4.8

The magnet is attached to the light fitting if 'MAG' is selected in the order code.
Magnet ist an der Leuchte befestigt, wenn im Ordercode MAG ausgewählt ist.



4.9.1

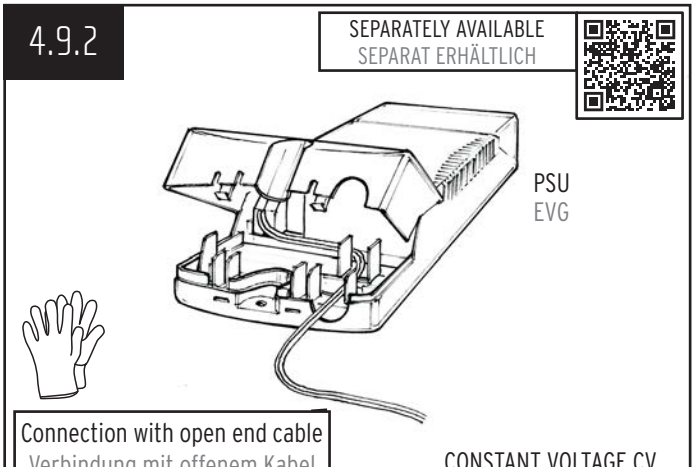
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



Connection with connectors
Verbindung mit Steckern

4.9.2

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

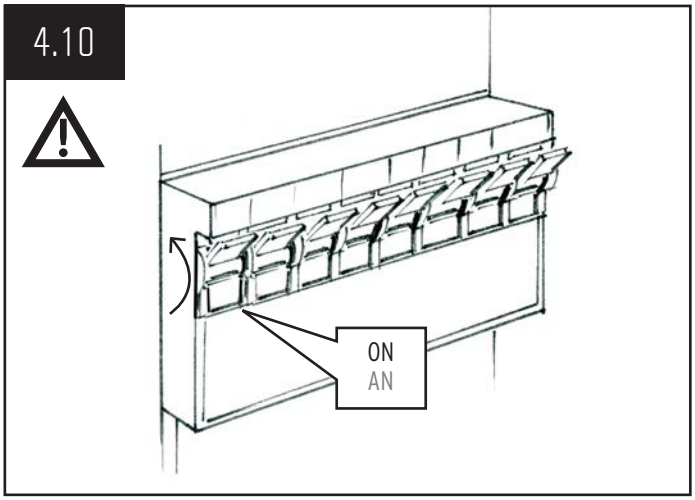


Connection with open end cable
Verbindung mit offenem Kabel

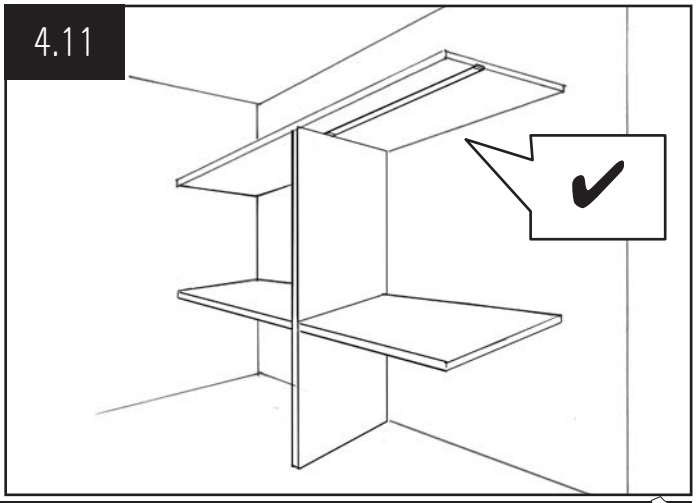
CONSTANT VOLTAGE CV

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4.10



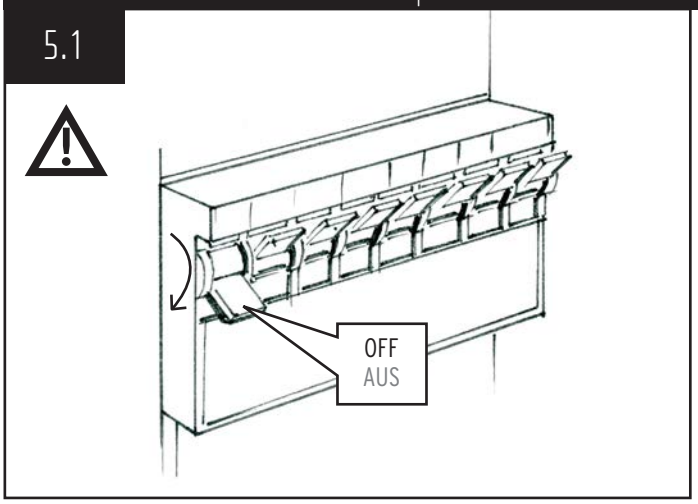
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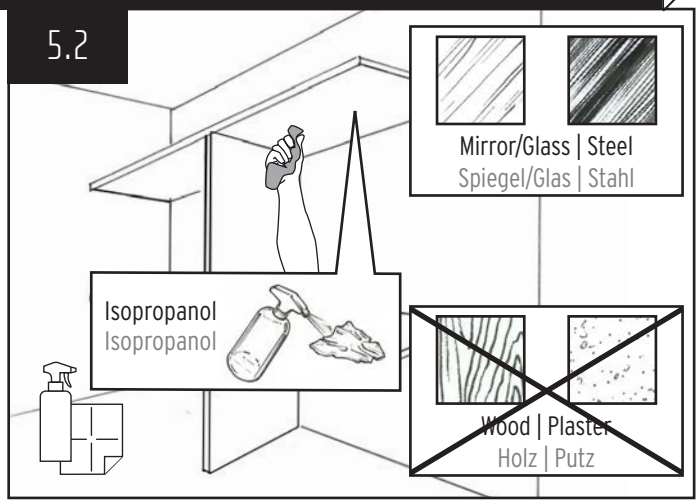
5. SURFACE MOUNTED WITH STEEL STRIP | ANBAU MIT STAHLBAND

Back to overview | Zurück zur Übersicht

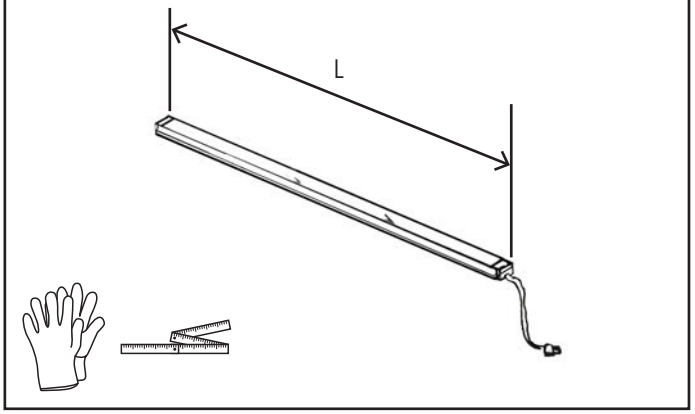
5.1



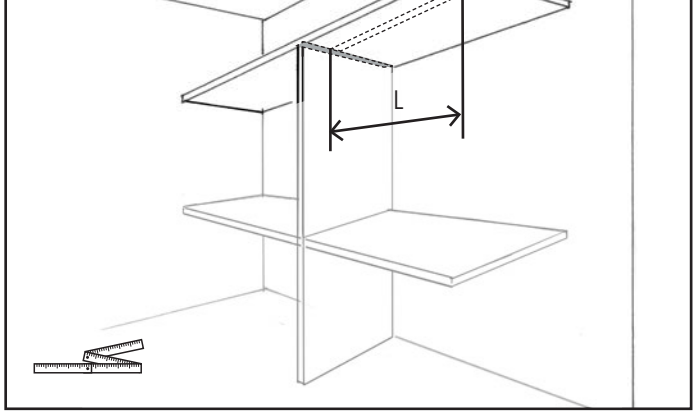
5.2



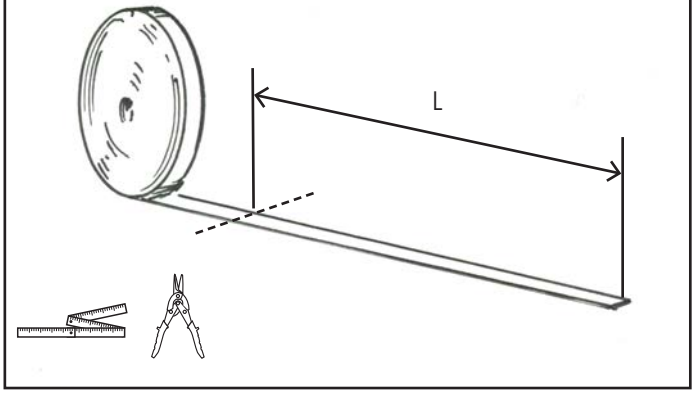
5.3



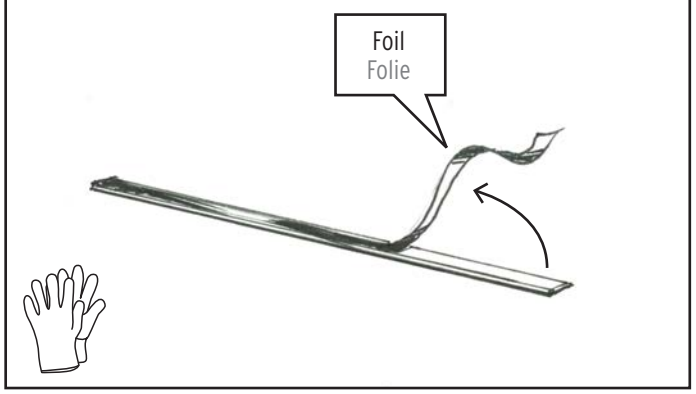
5.4



5.5

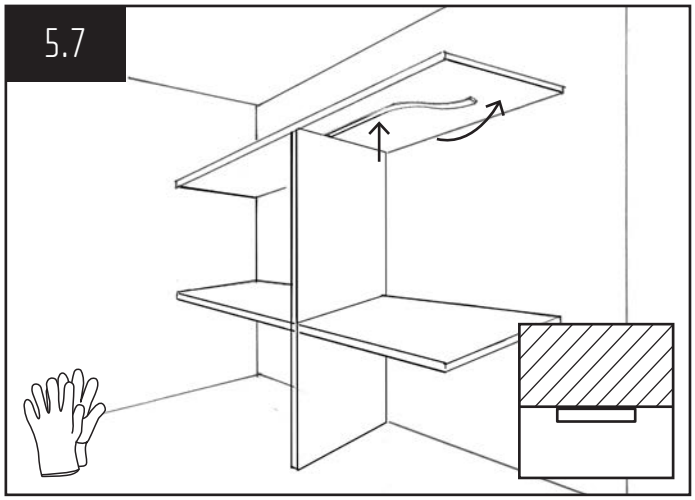


5.6



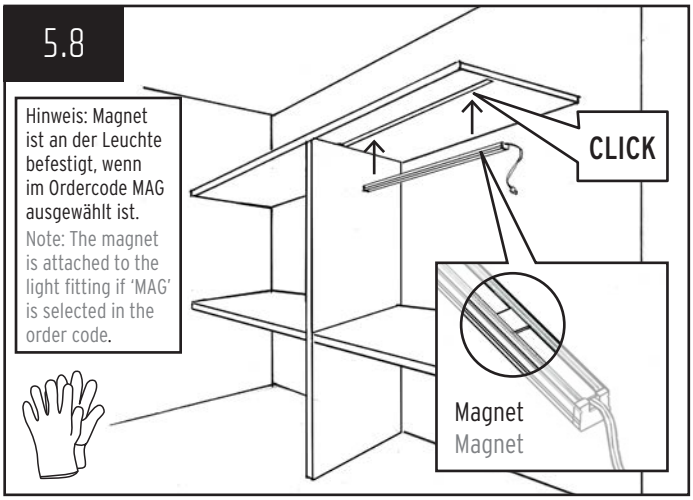
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5.7



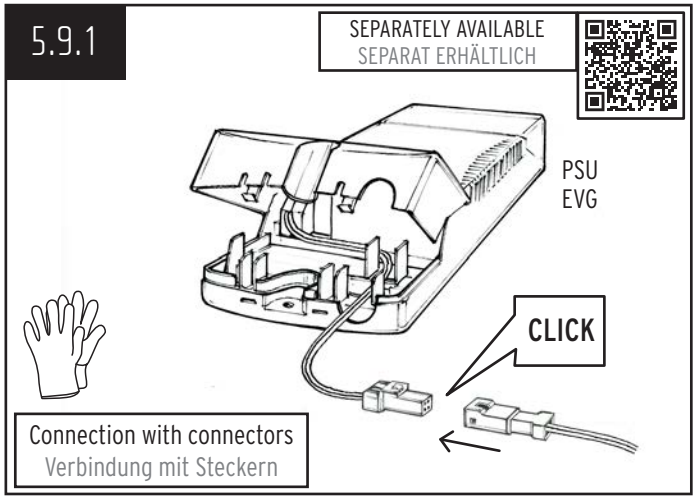
5.8

Hinweis: Magnet ist an der Leuchte befestigt, wenn im Ordercode MAG ausgewählt ist.
Note: The magnet is attached to the light fitting if 'MAG' is selected in the order code.



5.9.1

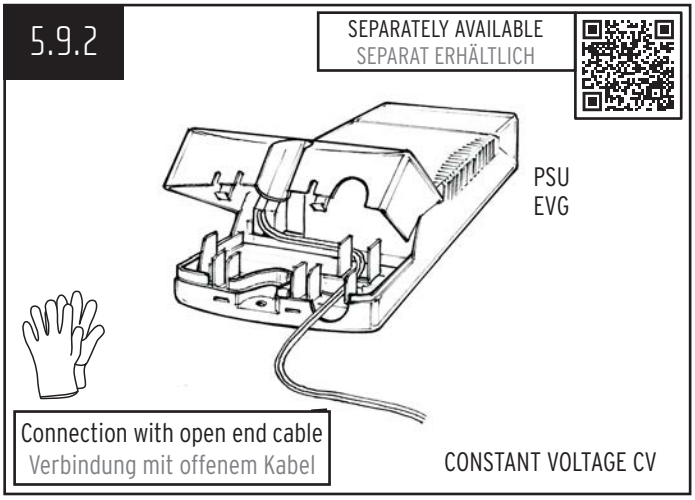
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



Connection with connectors
Verbindung mit Steckern

5.9.2

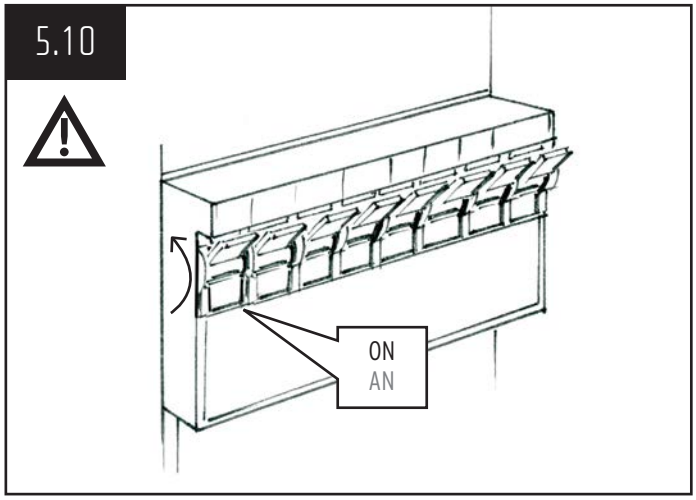
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



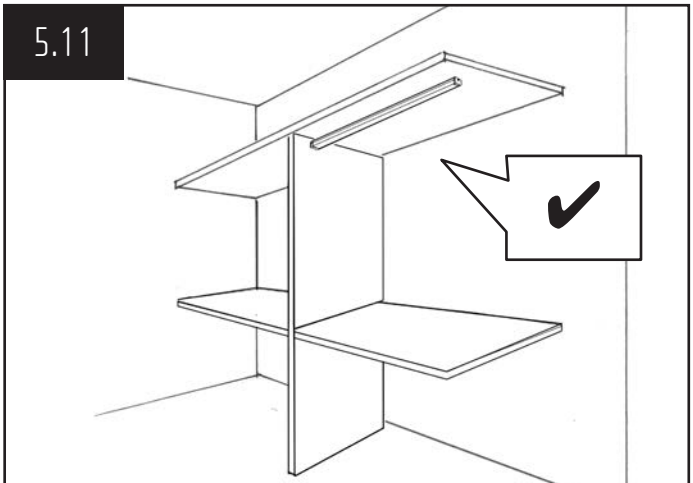
Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

5.10



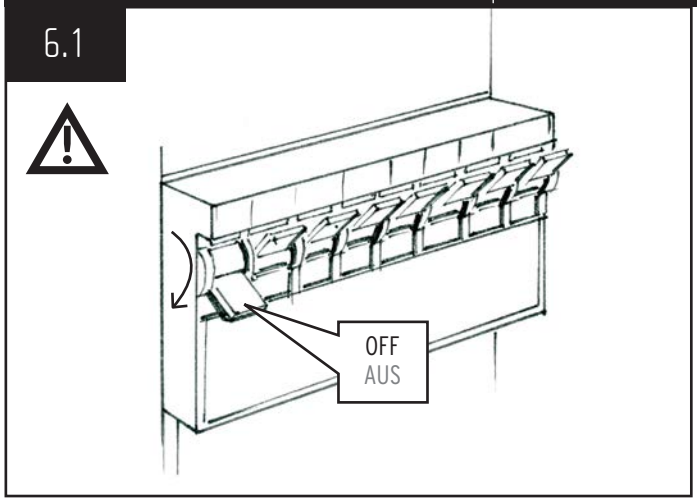
5.11



6. SURFACE MOUNTED WITH MOUNTING PROFILE | ANBAU MIT MONTAGEPROFIL

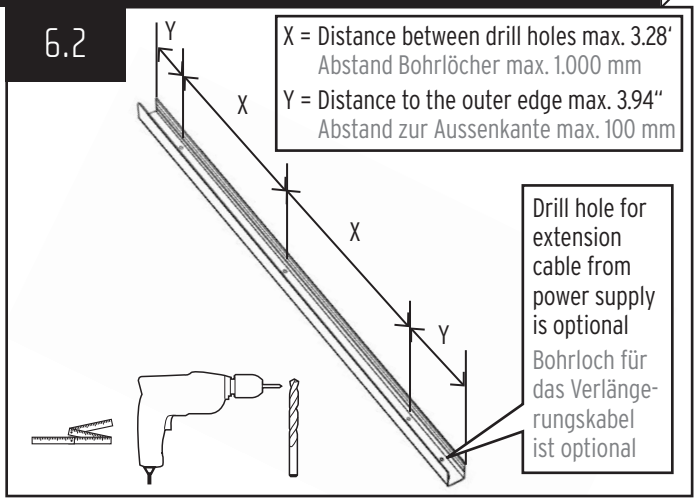
Back to overview | Zurück zur Übersicht

6.1



6.2

X = Distance between drill holes max. 3.28'
Abstand Bohrlöcher max. 1.000 mm
Y = Distance to the outer edge max. 3.94"
Abstand zur Aussenkante max. 100 mm



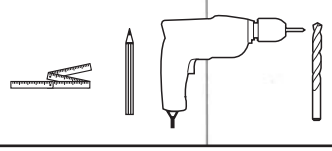
Drill hole for extension cable from power supply is optional
Bohrloch für das Verlängerungskabel ist optional

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6.3

Drill hole for power supply is optional
Bohrloch für Stromführung ist optional

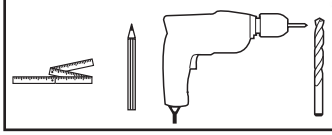
max. 1.000 mm
max. 3.28'



6.3.1

OPTIONAL FOR CABLE WITH OPEN END (00)
OPTIONAL FÜR KABEL MIT OFFENEM ENDE

Mono: Min. Ø 3mm
0.12"
TW: Min Ø 6mm
0.24"



6.4



6.5.1

Connection through rear side profile
Anschluss durch Rückseite Profil

Recommended
to use with:
Mono: Art. # 15000142
TW: Art. # 15000241

Empfohlen zur
Verwendung mit:
Mono: Art. # 15000142
TW: Art. # 15000241

PSU | EVG

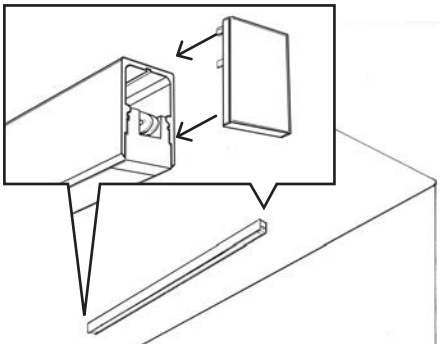


6.5.2

CLICK



6.5.3

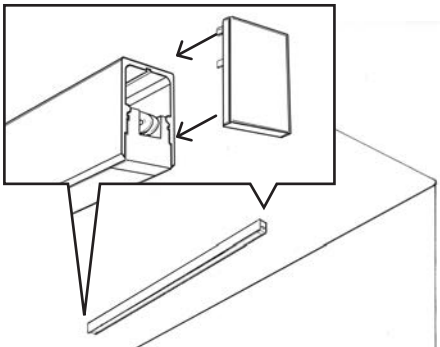


6.6.1

Connection through end face profile
Anschluss durch Stirnseite Profil



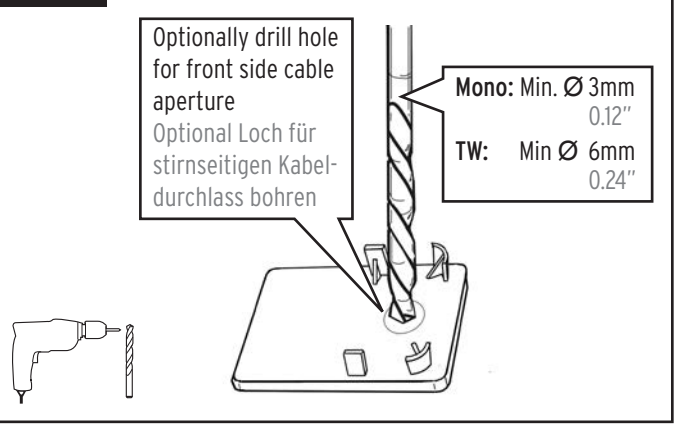
6.6.2



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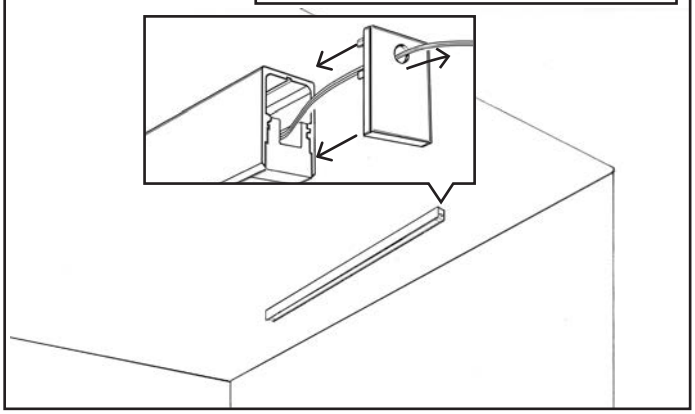
6.6.3

OPTIONAL FOR CABLE WITH OPEN END (00)
OPTIONAL FÜR KABEL MIT OFFENEM ENDE



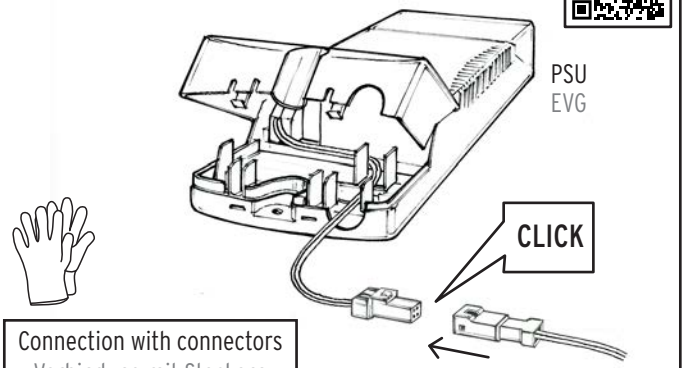
6.6.4

OPTIONAL FOR CABLE WITH OPEN END (00)
OPTIONAL FÜR KABEL MIT OFFENEM ENDE



6.7.1

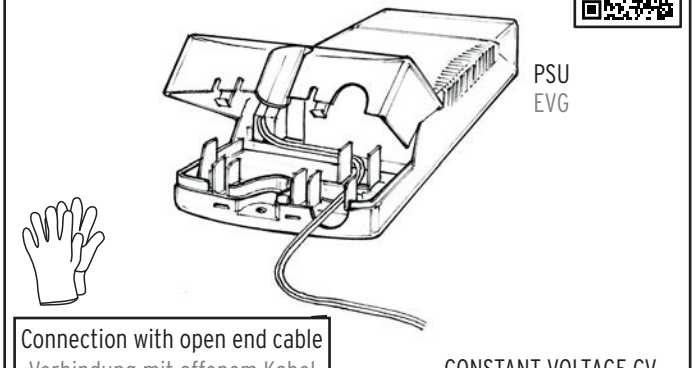
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



Connection with connectors
Verbindung mit Steckern

6.7.2

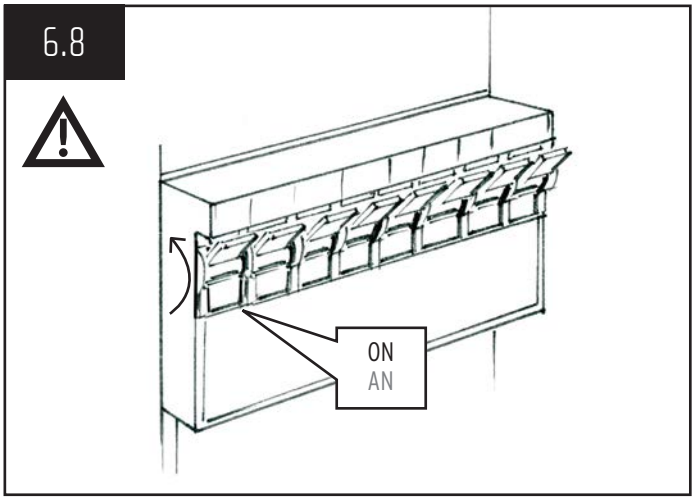
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



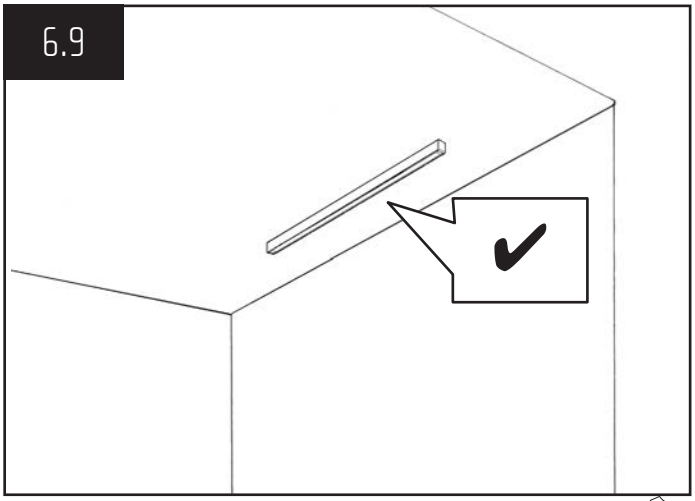
Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

6.8



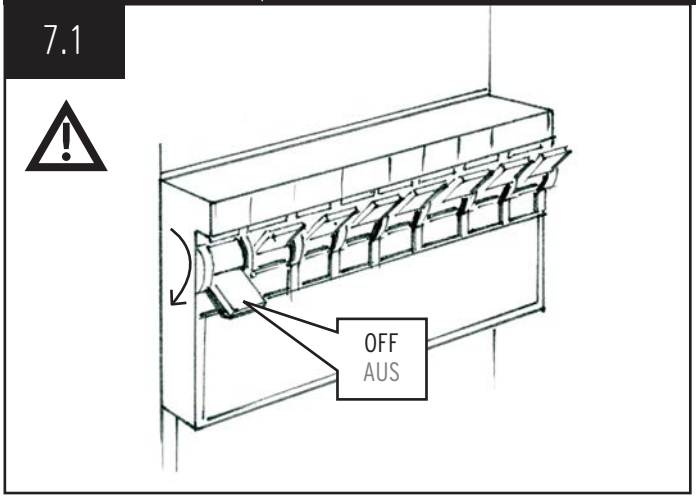
6.9



7. RECESSED WITH TRIM | EINBAU MIT RAHMEN

Back to overview | Zurück zur Übersicht

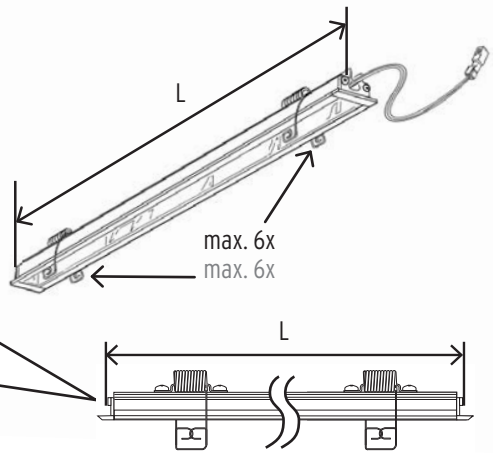
7.1



7.2

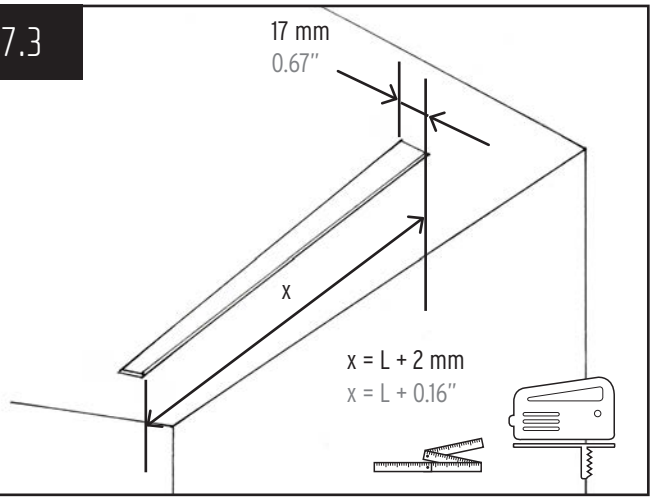
L = max. 4017 mm
L = max. 13.18'

Luminaire length incl. screws without the flanges
Leuchtenlänge inkl. Schrauben aber ohne den Flansch



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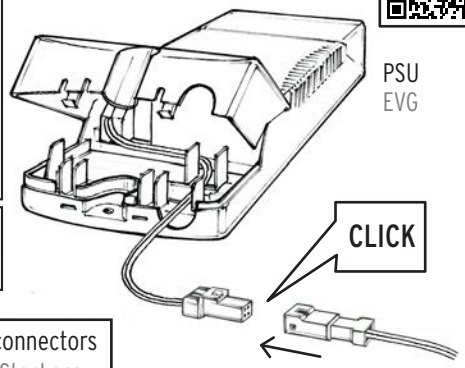
7.3



7.4.1

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

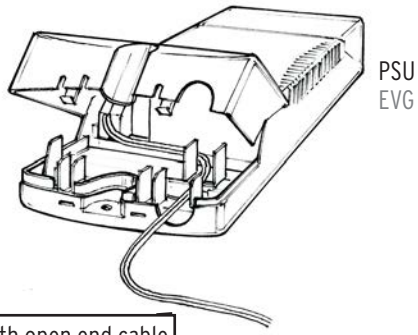
Recommended
to use with:
Mono: Art. # 15000142
TW: Art. # 15000241
Empfohlen zur
Verwendung mit:
Mono: Art. # 15000142
TW: Art. # 15000241



Connection with connectors
Verbindung mit Steckern

7.4.2

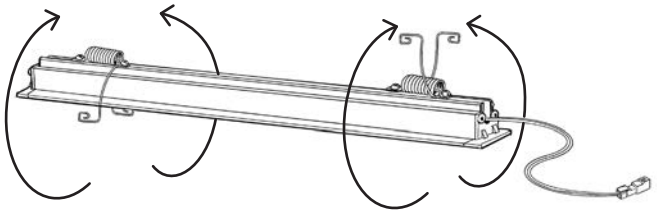
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



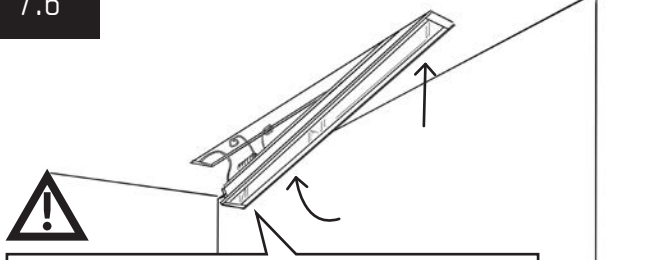
Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

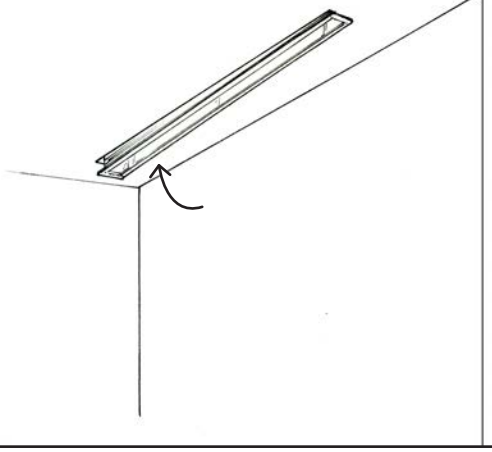
7.5



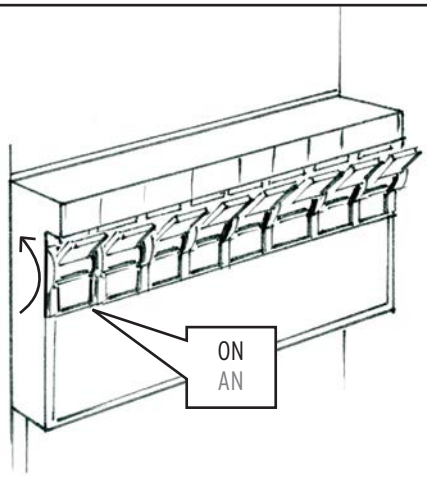
7.6



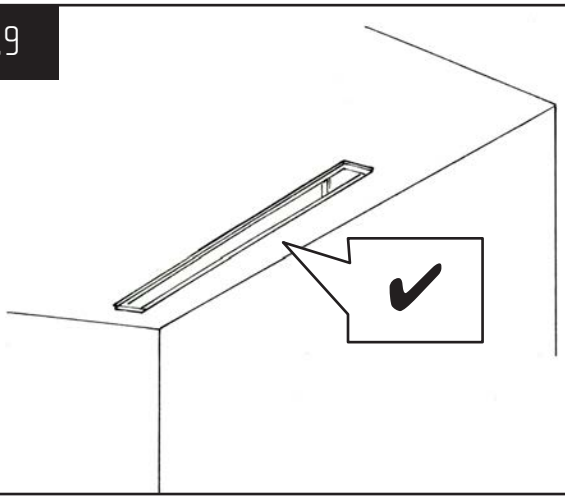
7.7



7.8

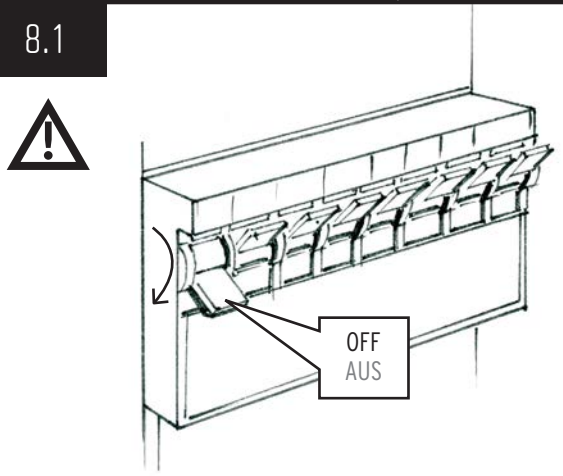


7.9

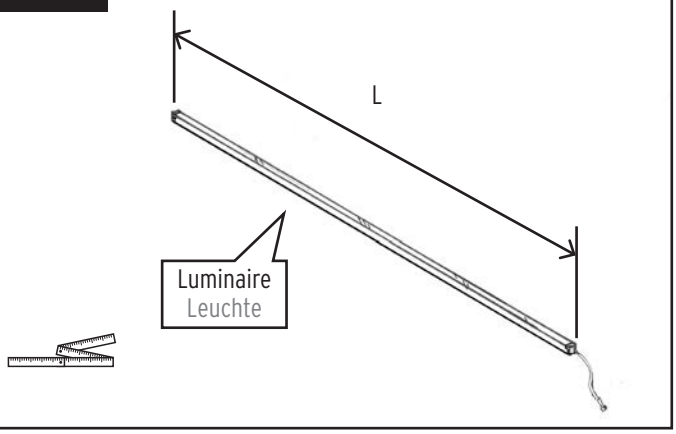


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8.1



8.2



8.3

Formula for the length calculation of the mounting profile
Formel zur Längenberechnung des Montageprofils

2 mm
0.08"
Buffer
Puffer

+

B



15 mm
0.59"
Endcap per side
Endkappe
pro Seite

+



L
Luminaire
Leuchte
maximum luminaire length:
1950 mm
maximale Leuchtenlänge:
6.40'

Formula for the length calculation of the ceiling cut out
Formel zur Längenberechnung des Deckenausschnitts

C



y
Mounting profile
Montageprofil

+

B



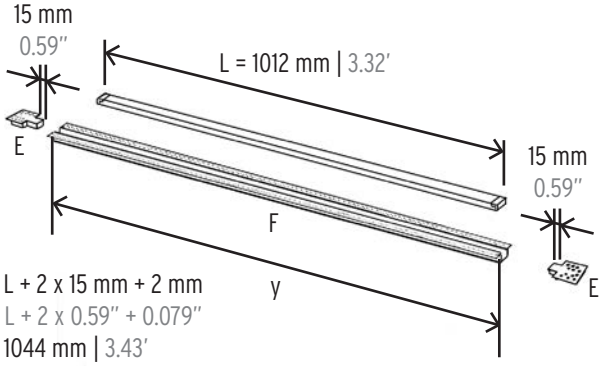
25 mm
0.98"
Endcap per side
Endkappe
pro Seite

+

2 mm
0.08"
Buffer
Puffer

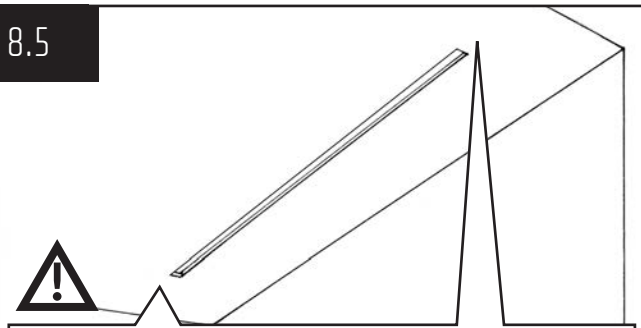
8.4

EXAMPLE FOR THE LENGTH CALCULATION OF THE MOUNTING PROFILE
BEISPIELRECHNUNG FÜR LÄNGENBERECHNUNG MONTAGEPROFIL



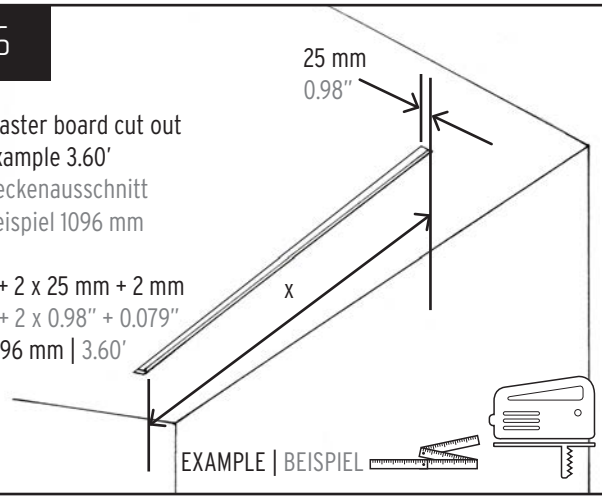
y = L + 2 x 15 mm + 2 mm
L + 2 x 0.59" + 0.079"
y = 1044 mm | 3.43'

8.5



There must be no substructure of the suspended ceiling at the beginning and end of the ceiling recess
Am Anfang und am Ende der Deckenaussparung darf sich keine Unterkonstuktion der abgehangenen Decke befinden

8.6

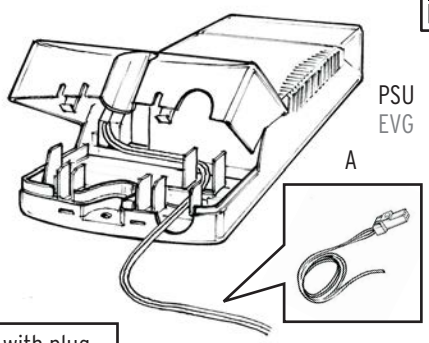


x = Plaster board cut out
Example 3.60'
x = Deckenausschnitt
Beispiel 1096 mm

x = y + 2 x 25 mm + 2 mm
y + 2 x 0.98" + 0.079"
x = 1096 mm | 3.60'

8.7

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



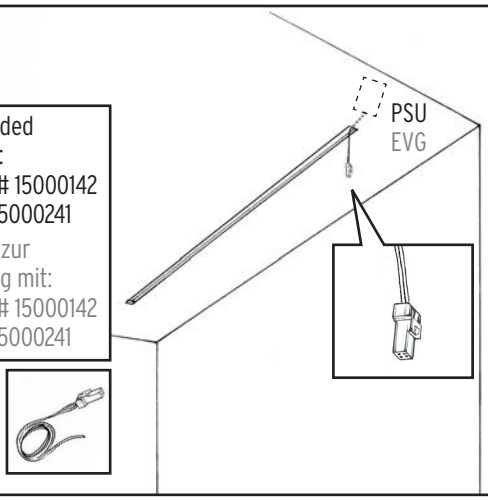
Connection with plug
Verbindung mit Stecker

CONSTANT VOLTAGE CV

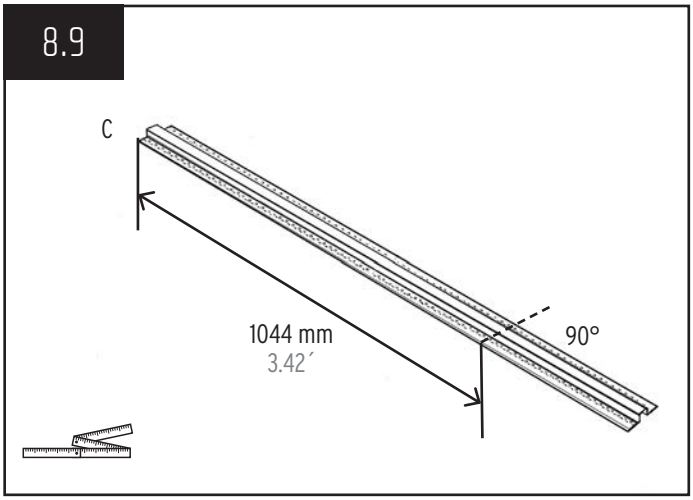
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8.8

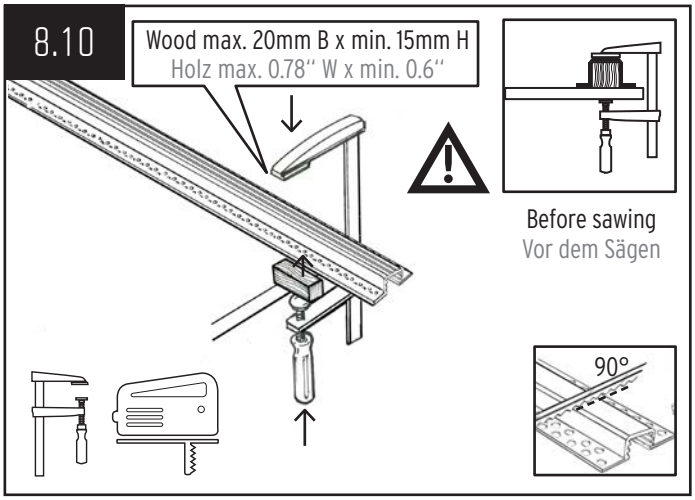
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to use with:
Mono: Art. # 15000142
TW: Art. # 15000241
Empfohlen zur
Verwendung mit:
Mono: Art. # 15000142
TW: Art. # 15000241



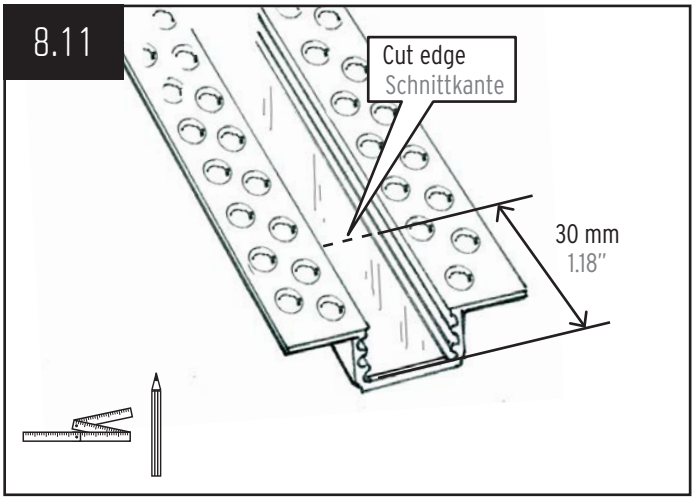
8.9



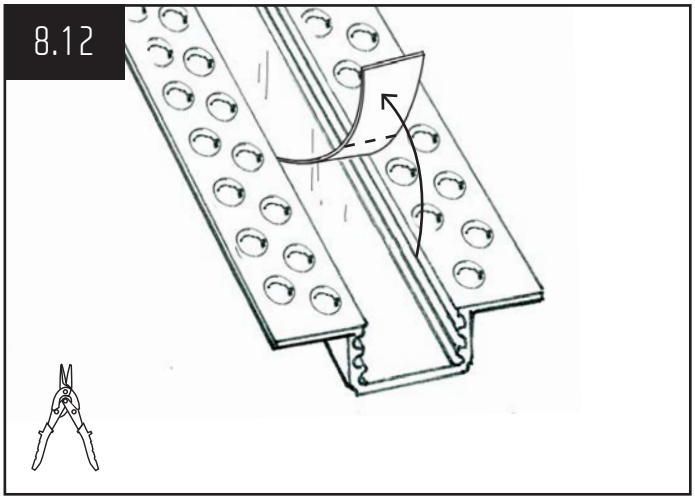
8.10



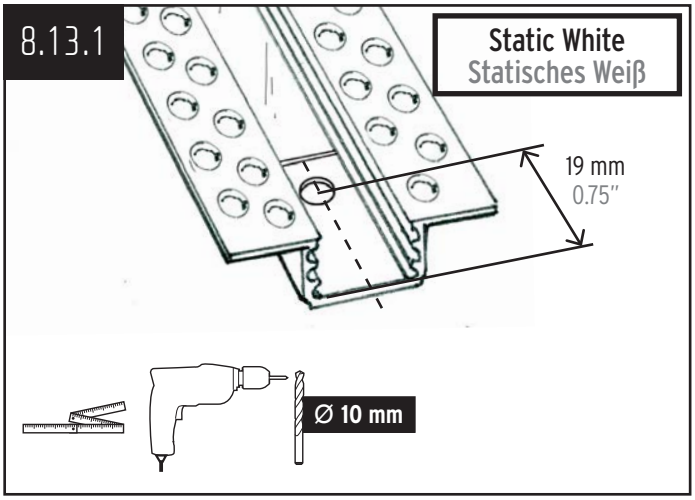
8.11



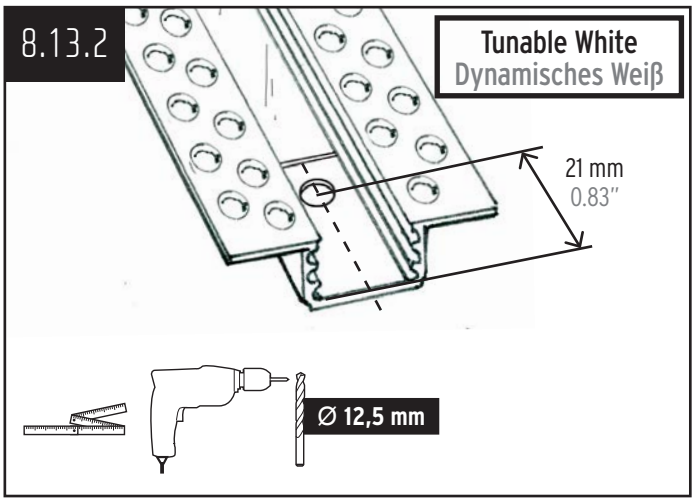
8.12



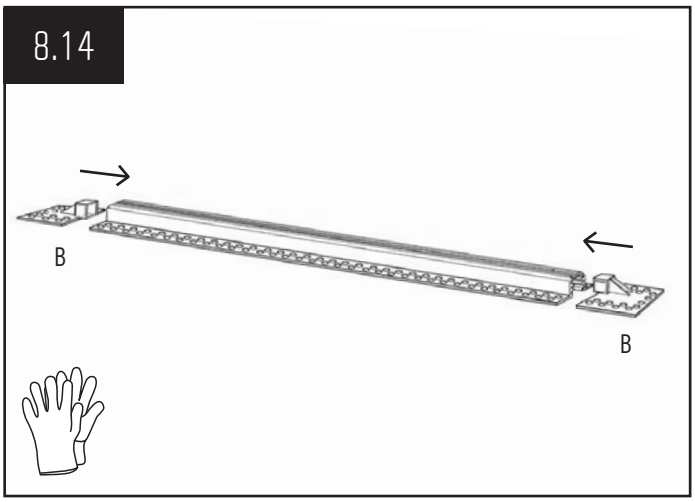
8.13.1



8.13.2

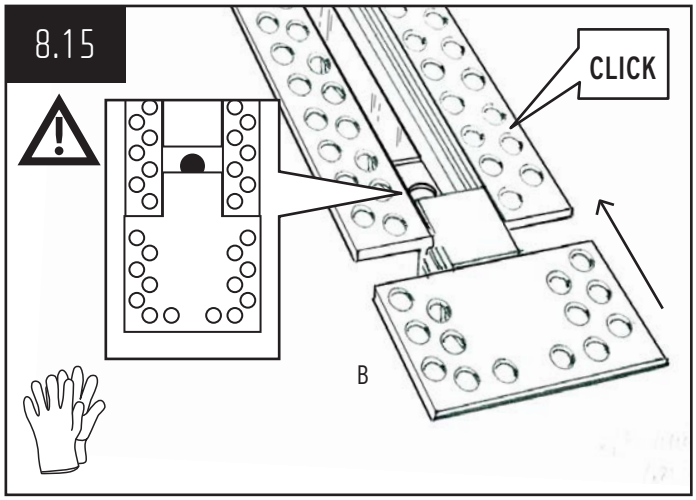


8.14

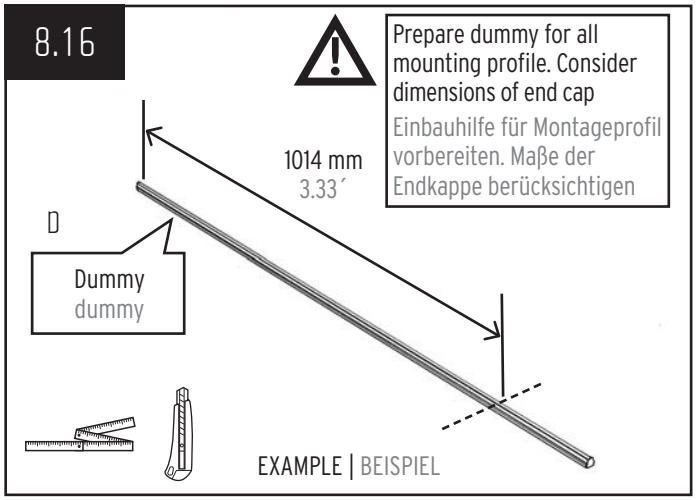


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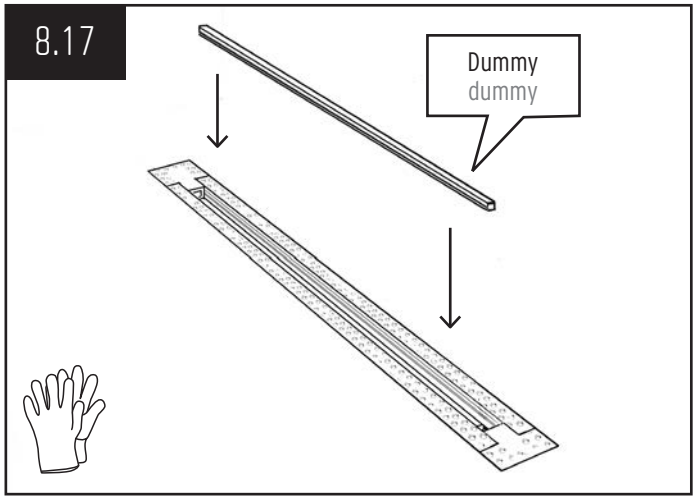
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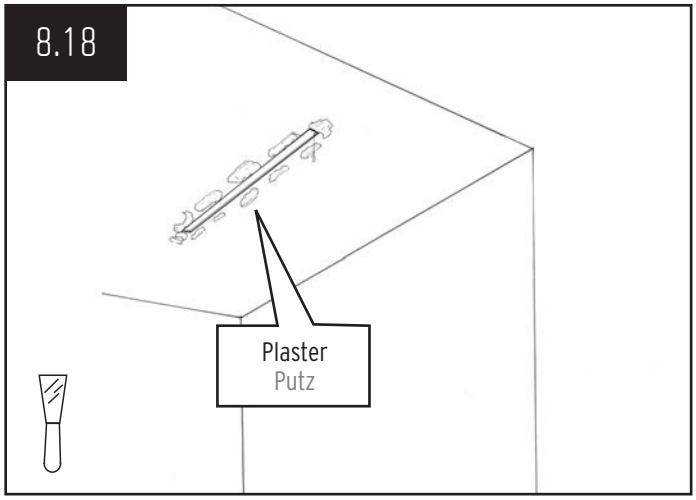
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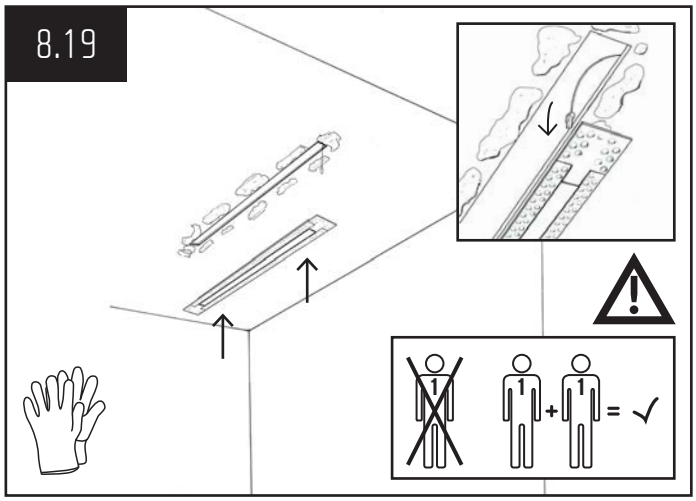
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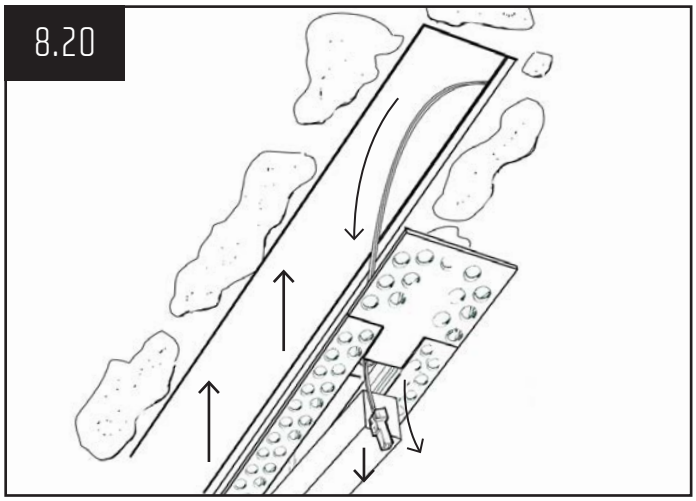
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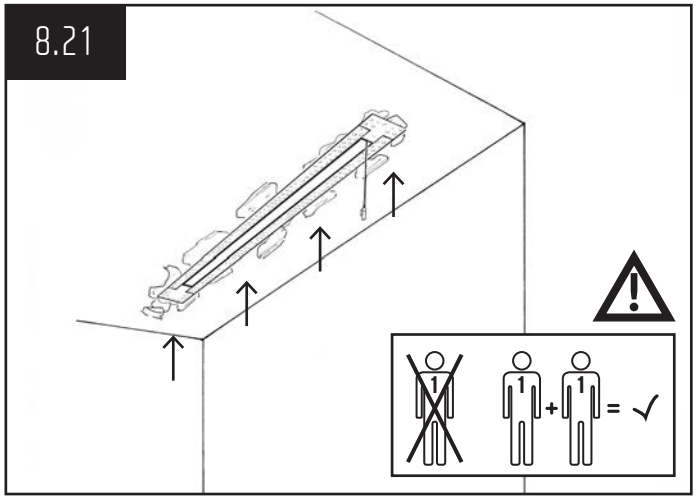
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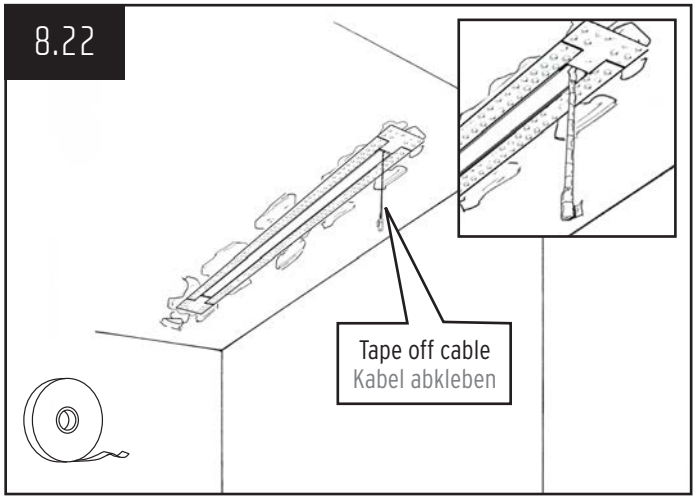
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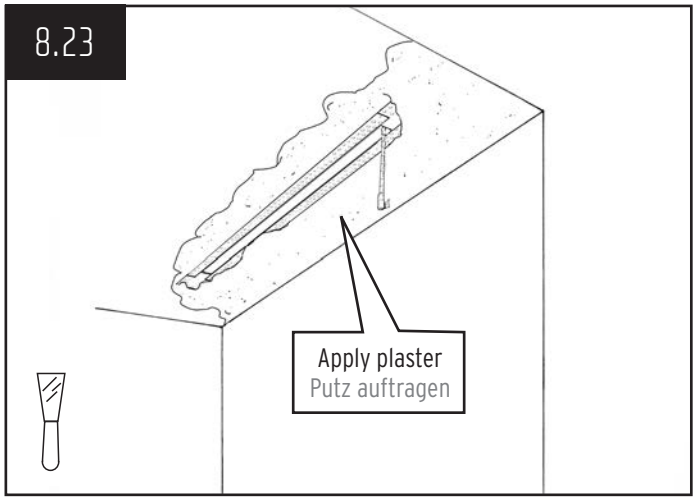


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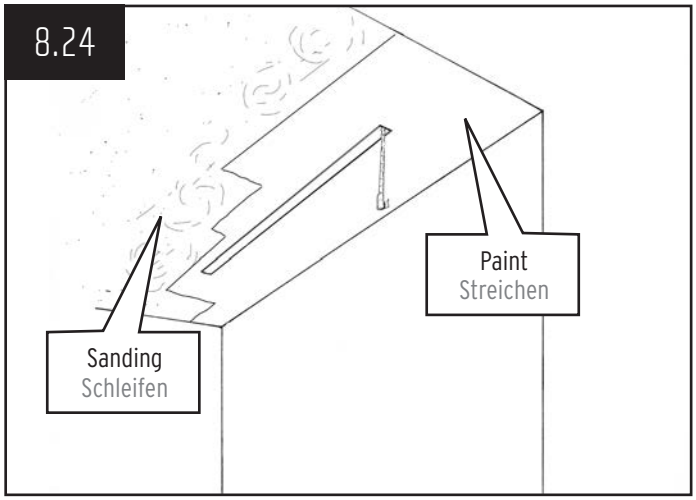


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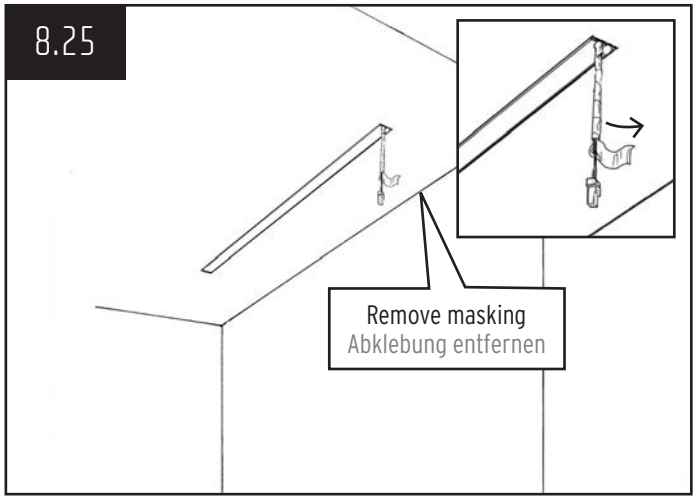
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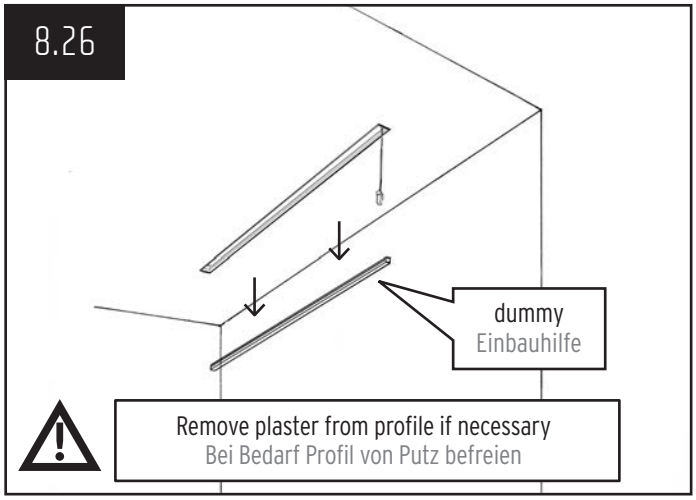
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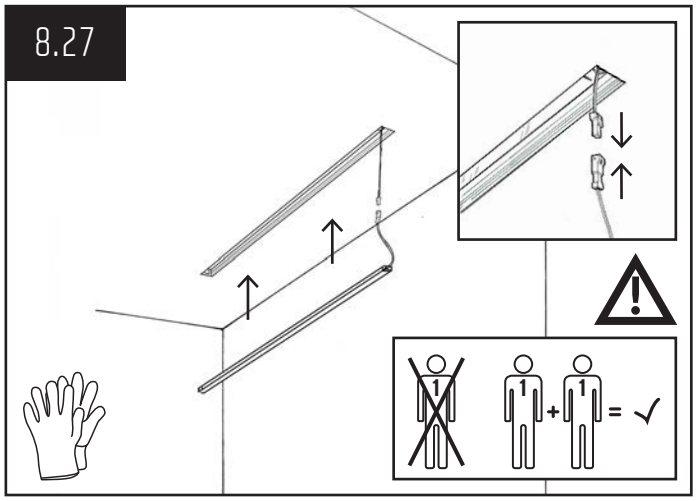
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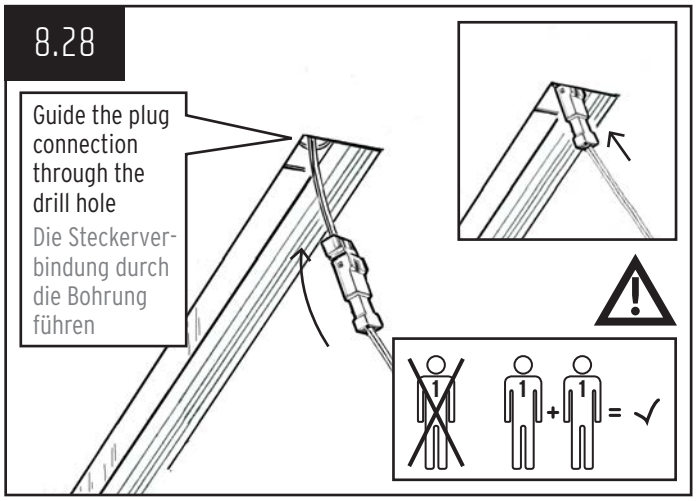
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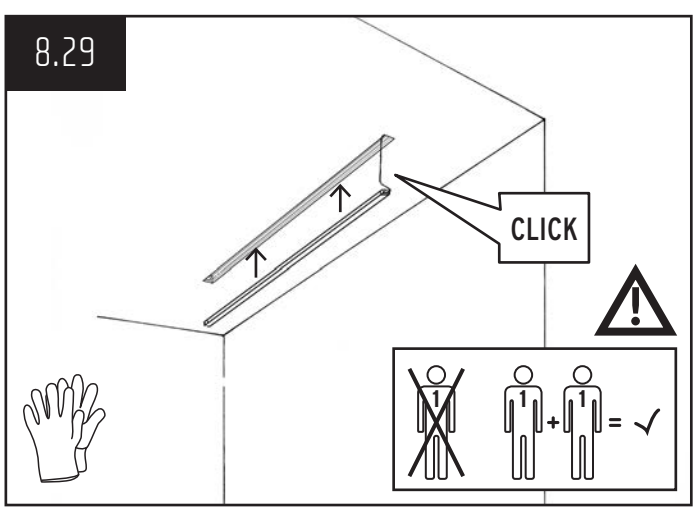
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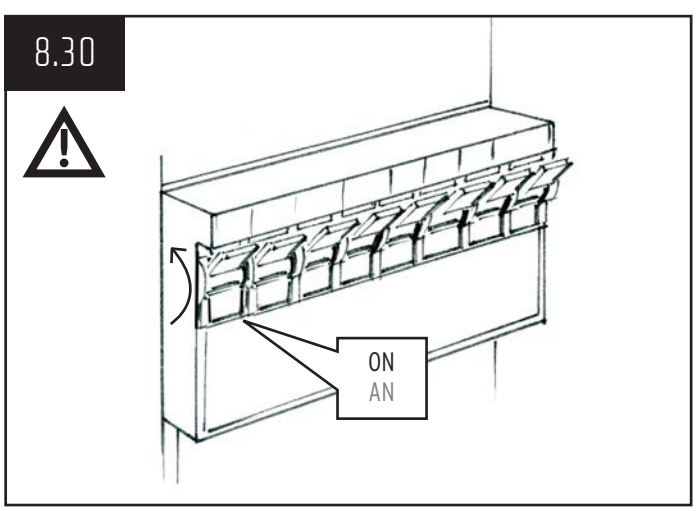
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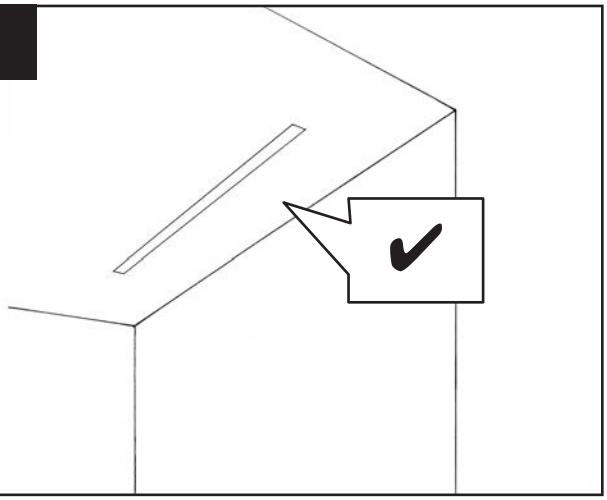


8.30



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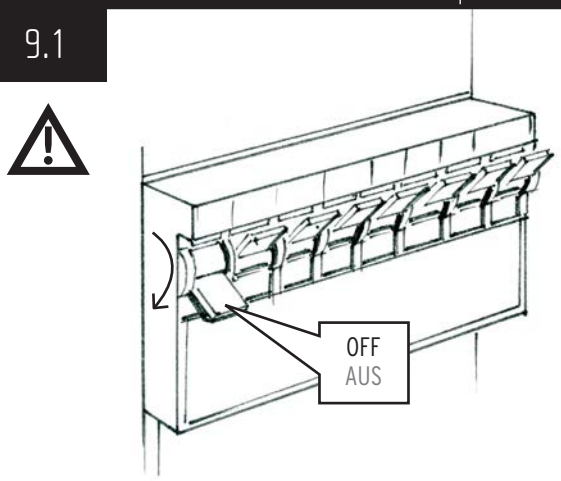
8.31



9. PENDANT FALSE CEILING/CONCRETE CEILING | PENDEL ABGEHÄNGTE DECKE/BETONDECKE

Back to overview | Zurück zur Übersicht

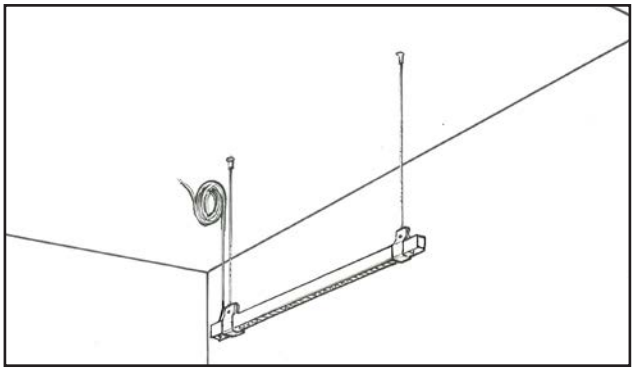
9.1



9.2

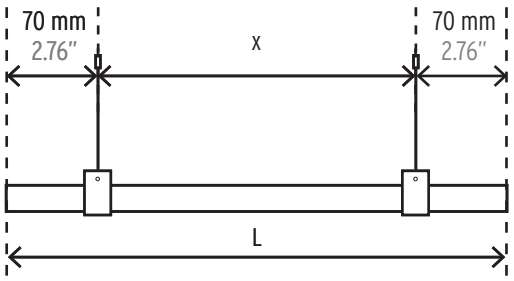
Below are the assembly steps for
Es folgen die Montageschritte für

ORDERCODE PSL | PSA



9.2.1

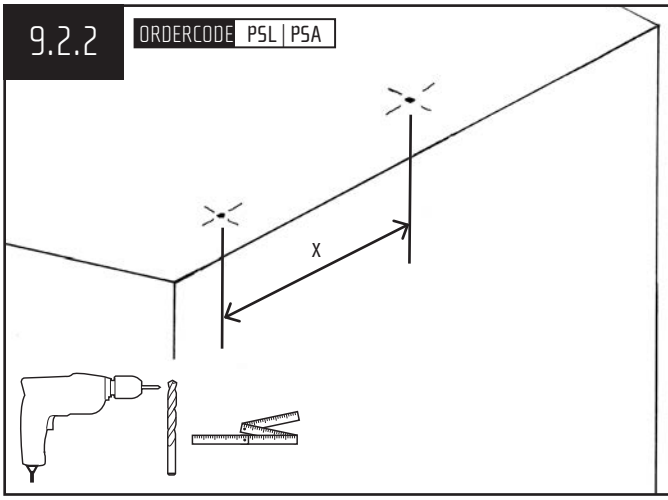
ORDERCODE PSL | PSA



Lenght Luminaire L | Länge der Leuchte L = 1767 mm
Distance of pendants X | Abstand der Pendel X = L - 140 mm
X= 1627 mm

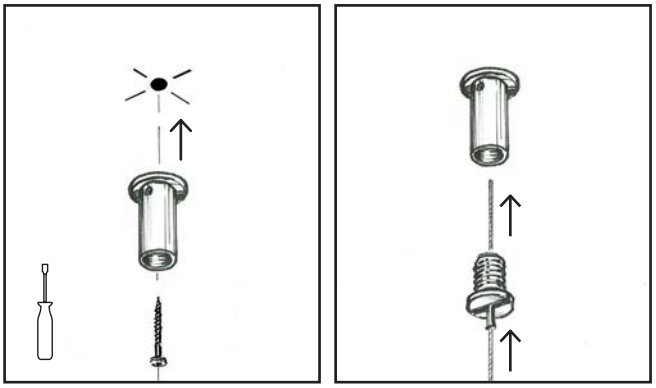
9.2.2

ORDERCODE PSL | PSA



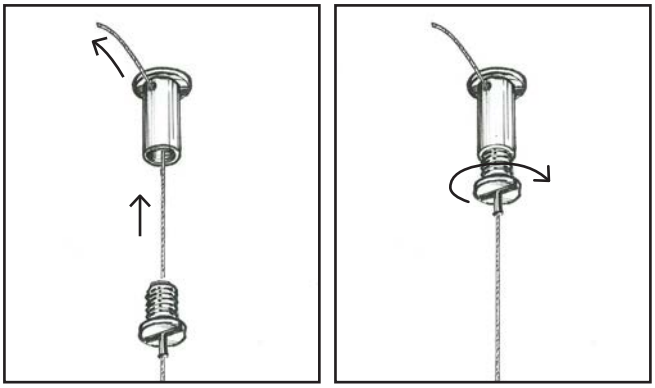
9.2.3

ORDERCODE PSL | PSA



9.2.4

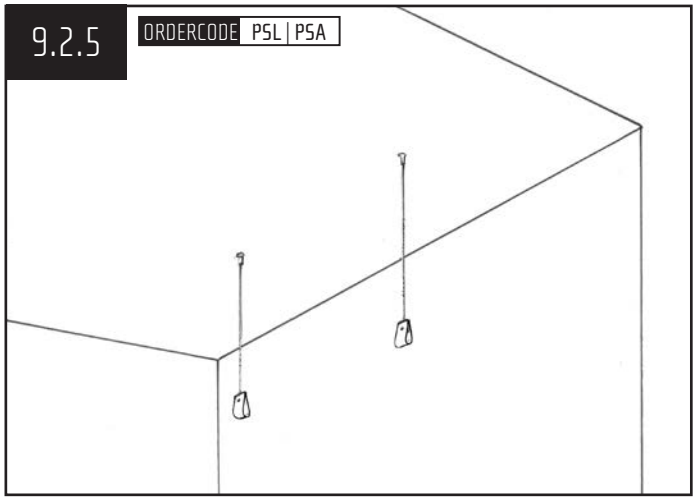
ORDERCODE PSL | PSA



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9.2.5

ORDERCODE PSL | PSA

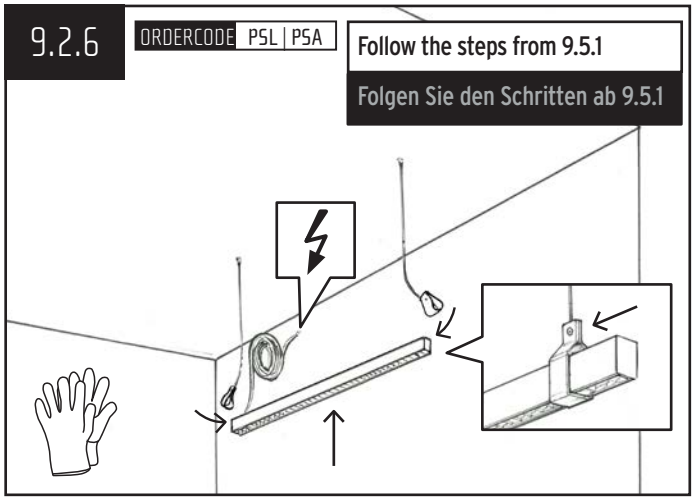


9.2.6

ORDERCODE PSL | PSA

Follow the steps from 9.5.1

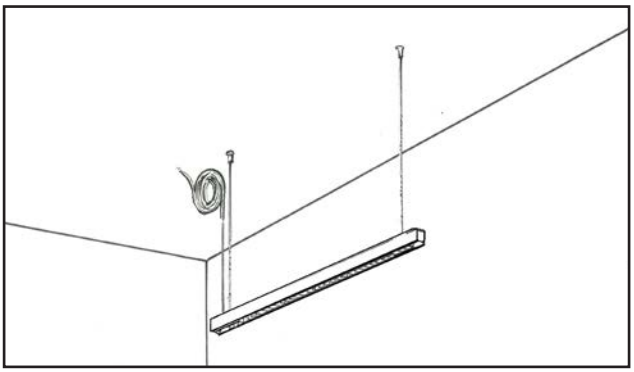
Folgen Sie den Schritten ab 9.5.1



9.3

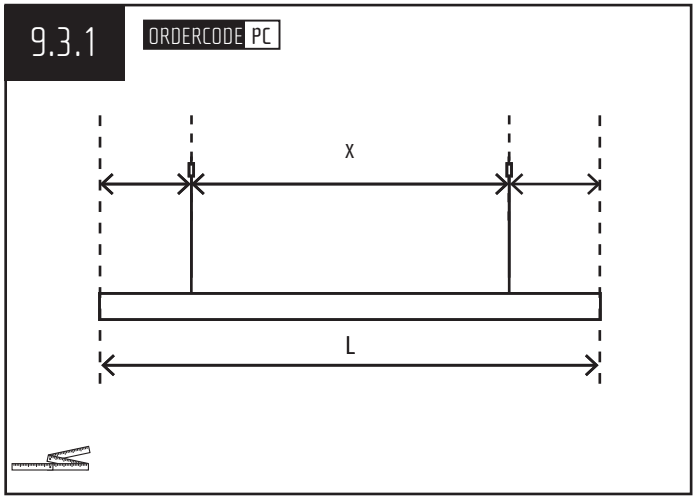
Below are the assembly steps for
Es folgen die Montageschritte für

ORDERCODE PC



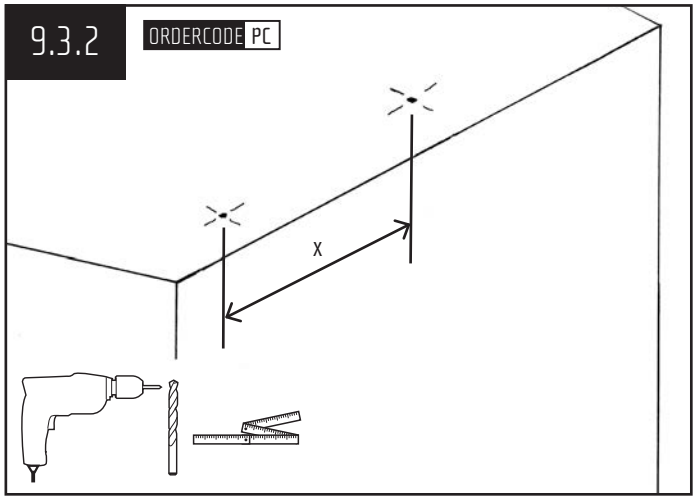
9.3.1

ORDERCODE PC



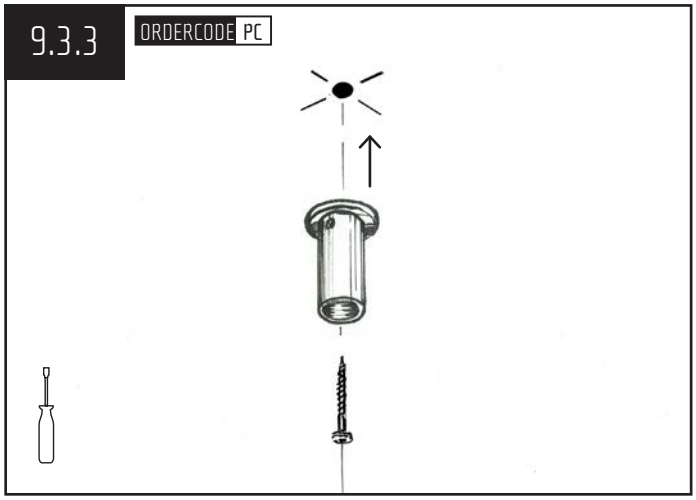
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ORDERCODE PC



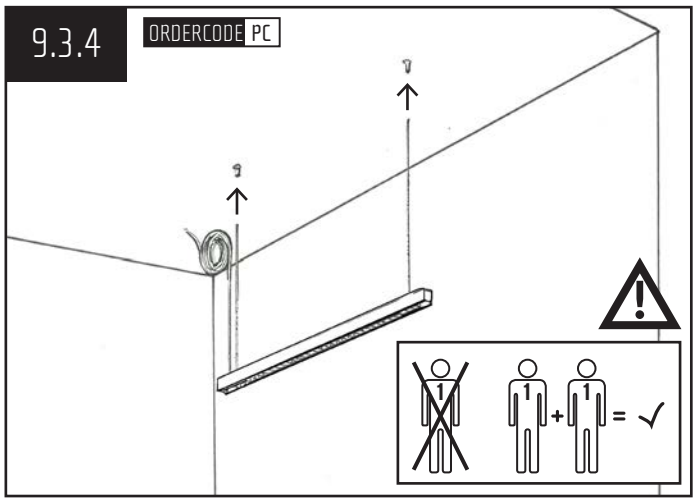
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ORDERCODE PC



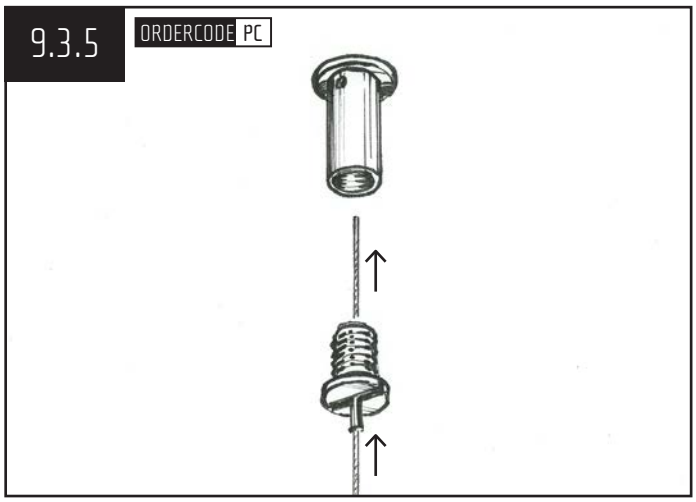
9.3.4

ORDERCODE PC



9.3.5

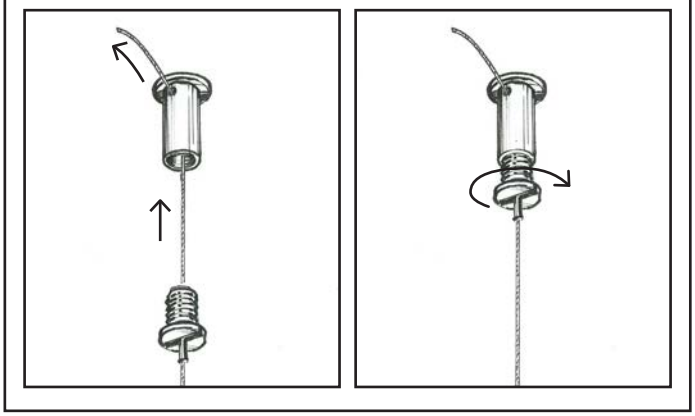
ORDERCODE PC



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9.3.6

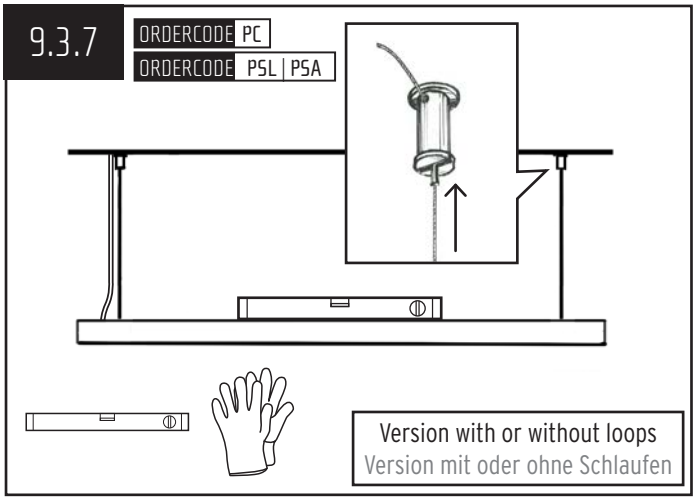
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9.3.7

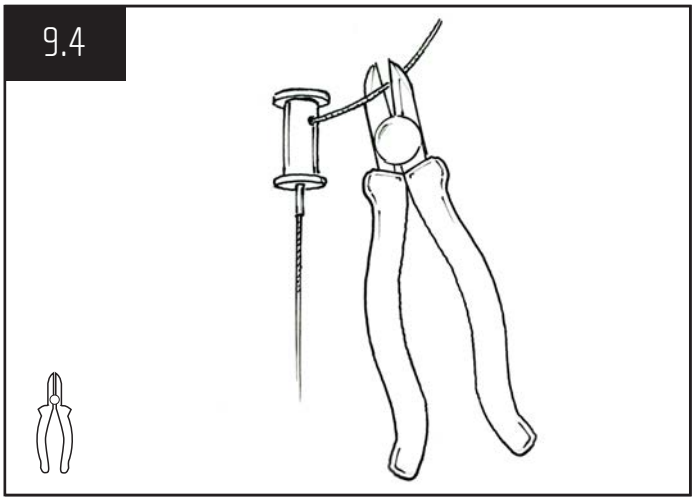
ORDERCODE PC

ORDERCODE PSL | PSA



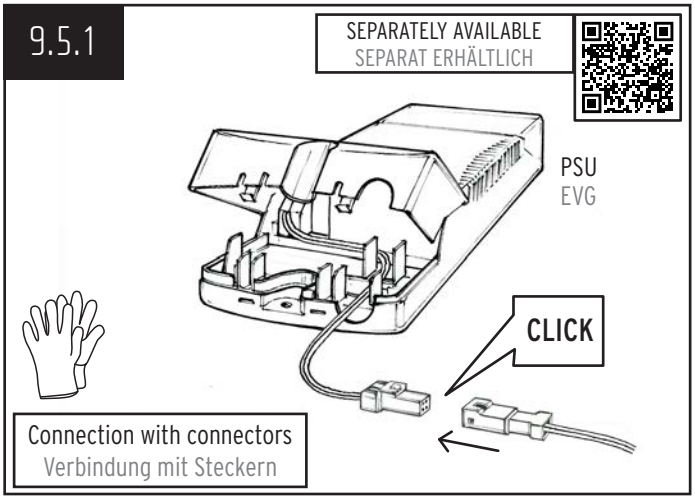
Version with or without loops
Version mit oder ohne Schlaufen

9.4



9.5.1

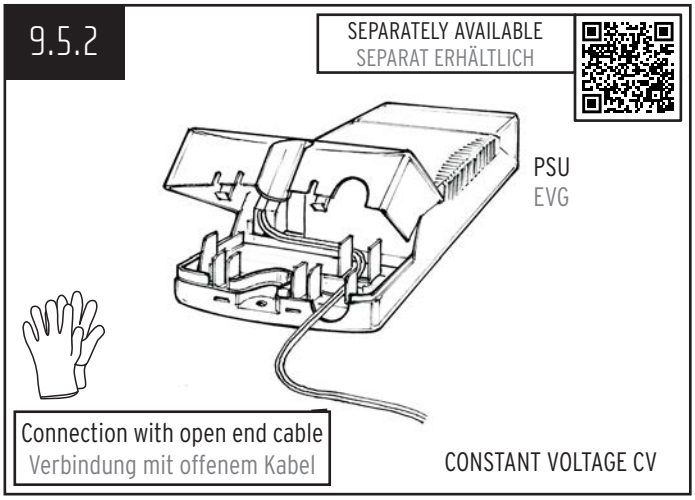
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



Connection with connectors
Verbindung mit Steckern

9.5.2

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

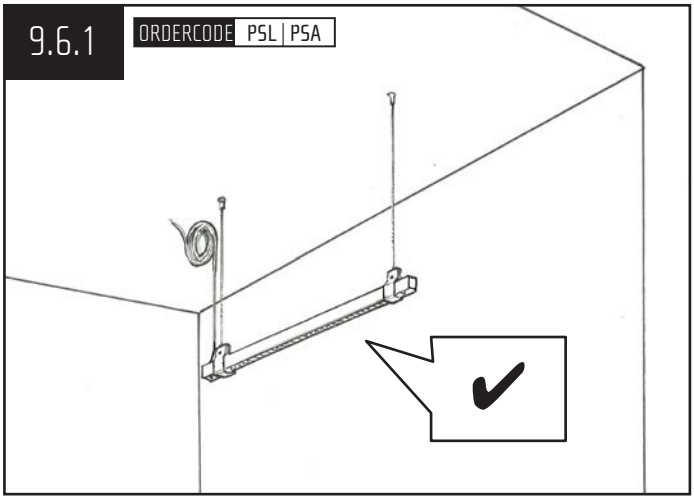


Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

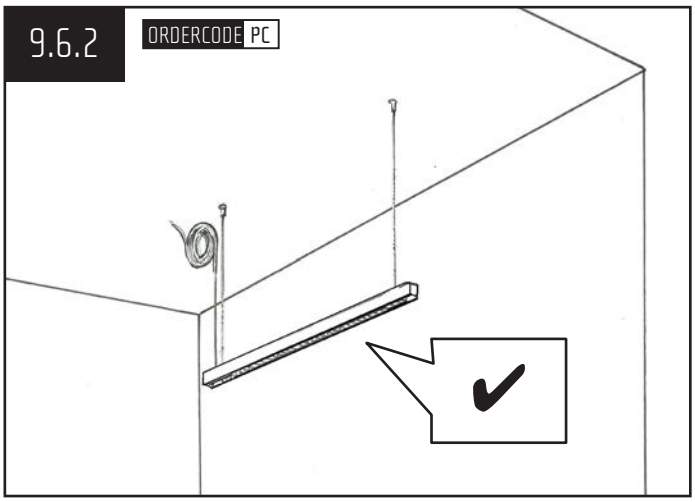
9.6.1

ORDERCODE PSL | PSA



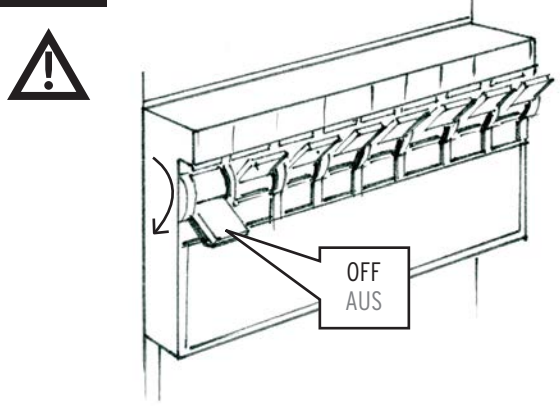
9.6.2

ORDERCODE PC



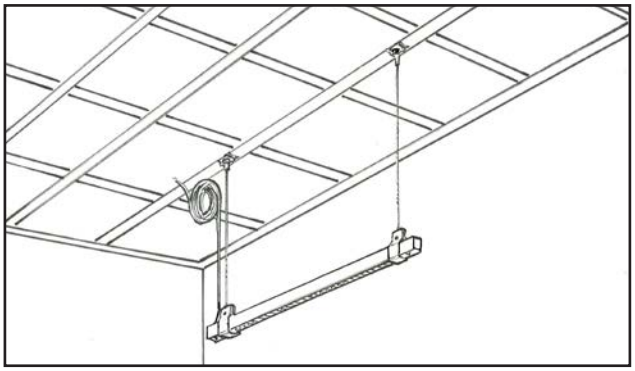
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10.1



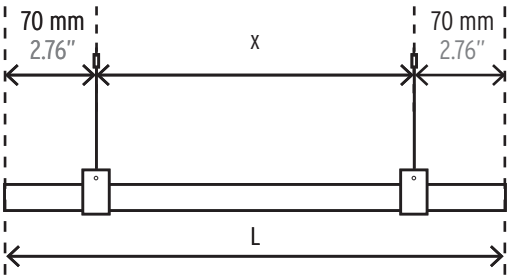
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Below are the assembly steps for
Es folgen die Montageschritte für
ORDERCODE PGL | PGA



10.2.1

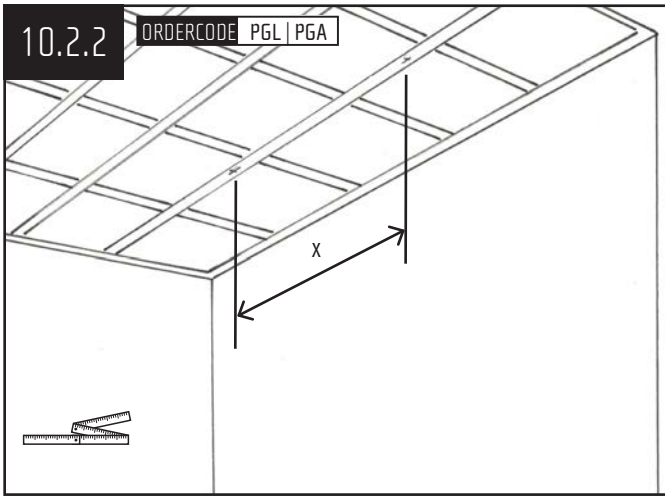
ORDERCODE PGL | PGA



Lenght Luminaire L | Länge der Leuchte L = 1767 mm
Distance of pendants X | Abstand der Pendel X = L - 140 mm
X= 1627 mm

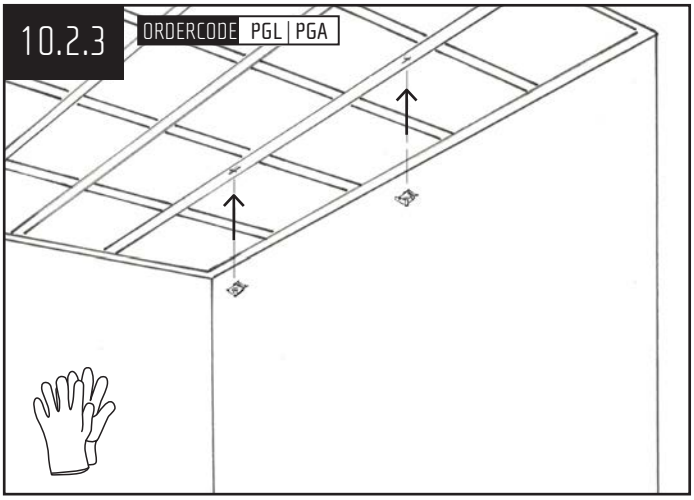
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ORDERCODE PGL | PGA



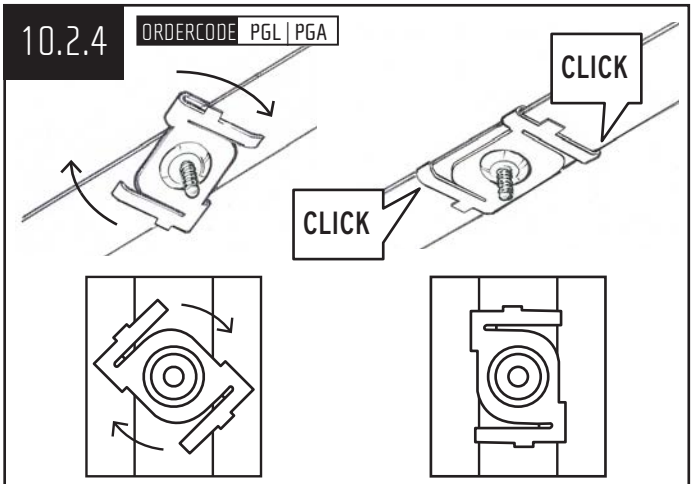
10.2.3

ORDERCODE PGL | PGA



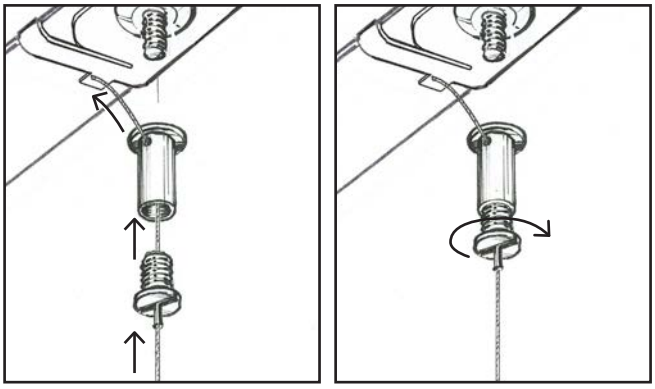
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ORDERCODE PGL | PGA



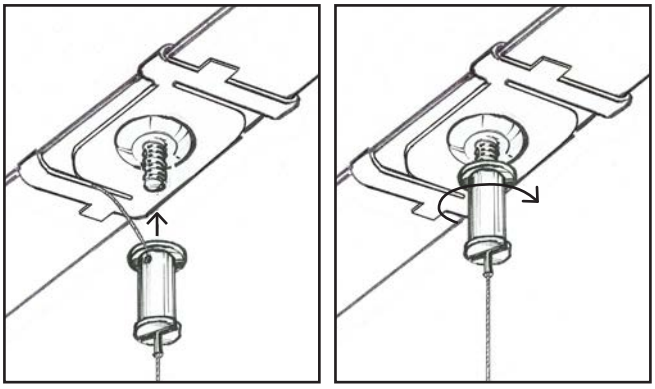
10.2.5

ORDERCODE PGL | PGA



10.2.6

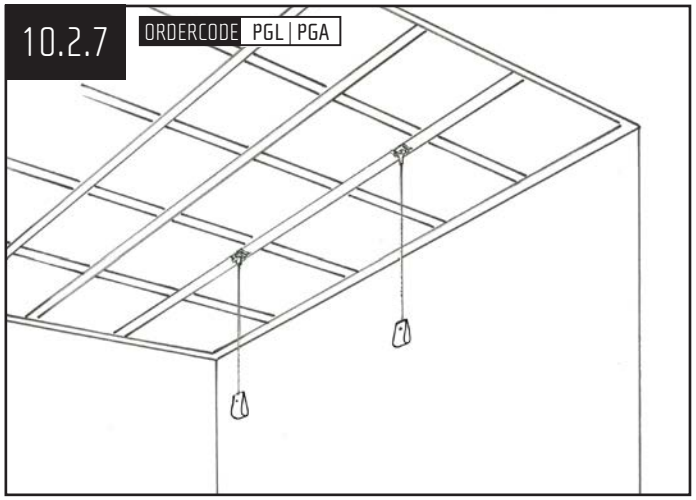
ORDERCODE PGL | PGA



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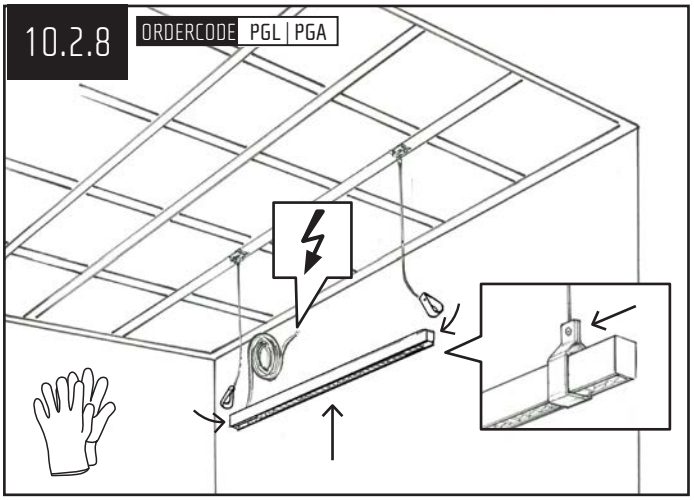
10.2.7

ORDERCODE PGL | PGA



10.2.8

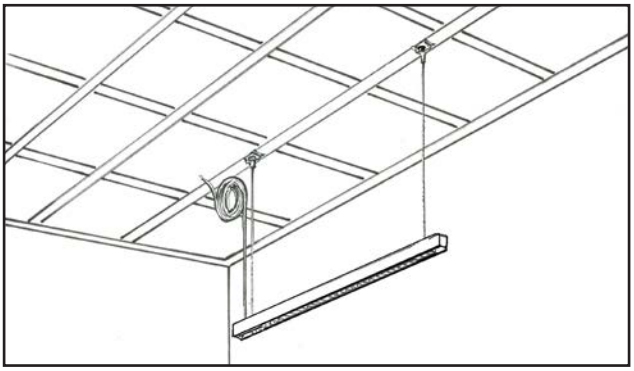
ORDERCODE PGL | PGA



10.3.

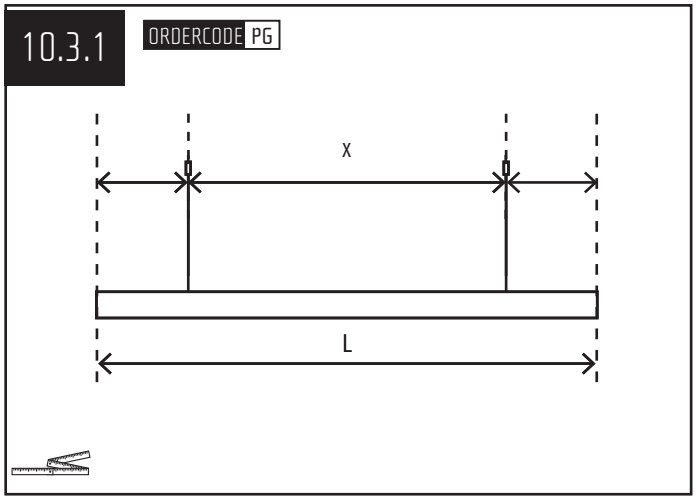
Below are the assembly steps for
Es folgen die Montageschritte für

ORDERCODE PG



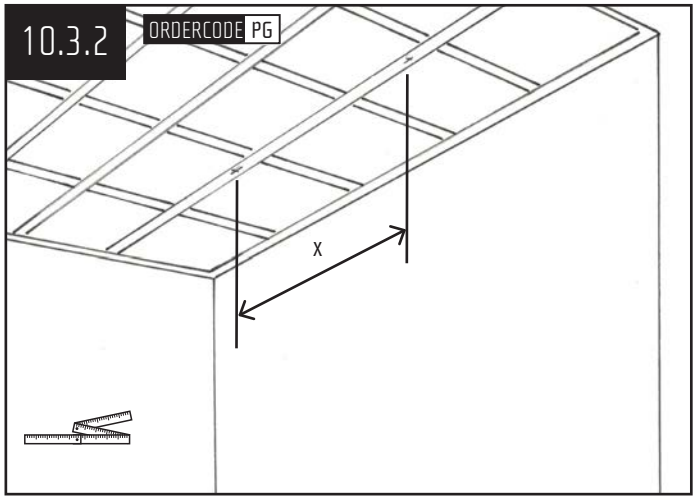
10.3.1

ORDERCODE PG



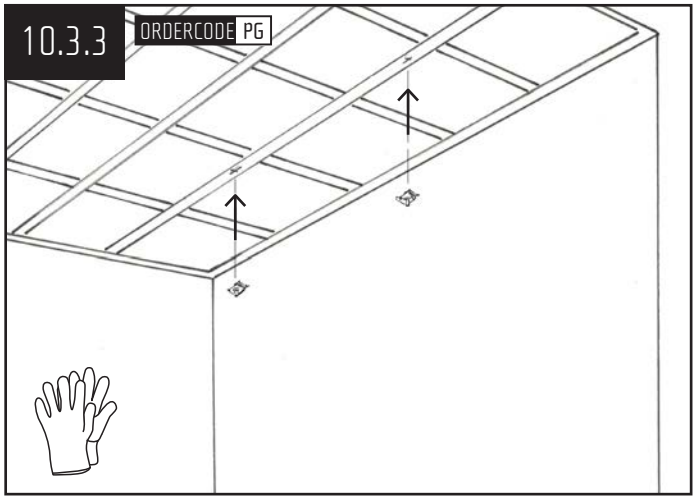
10.3.2

ORDERCODE PG



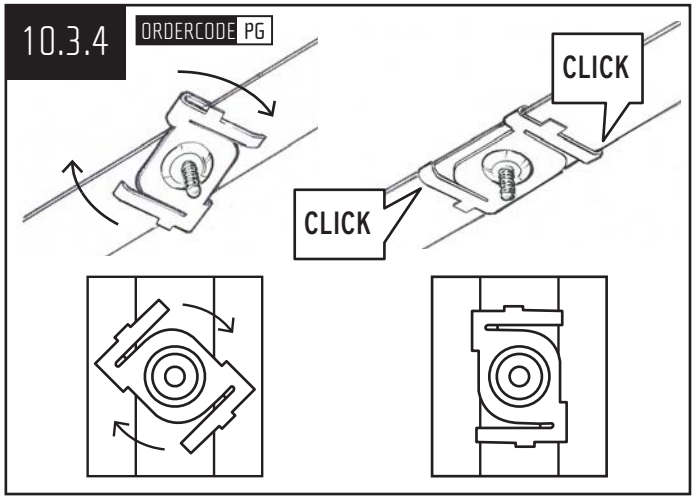
10.3.3

ORDERCODE PG



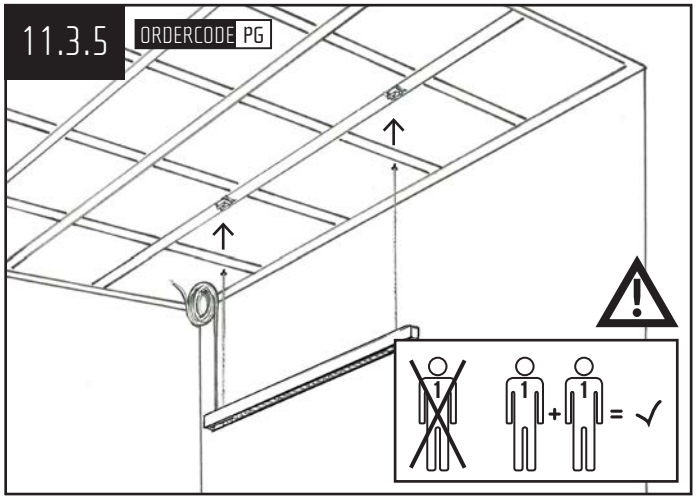
10.3.4

ORDERCODE PG



11.3.5

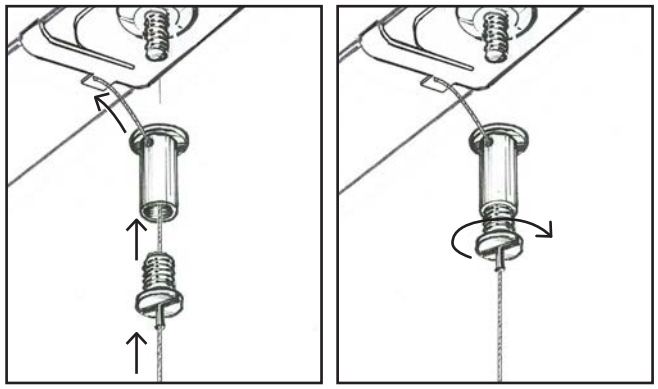
ORDERCODE PG



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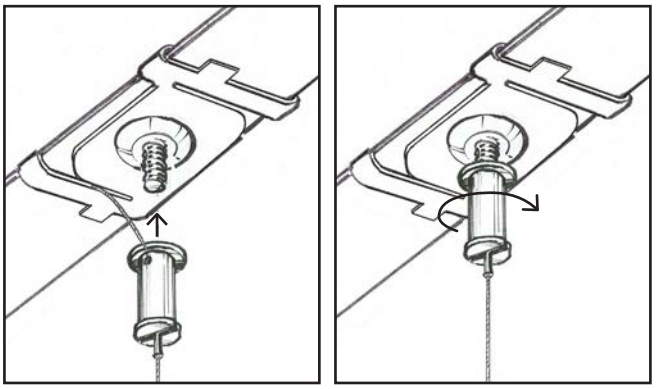
10.3.6

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10.3.7

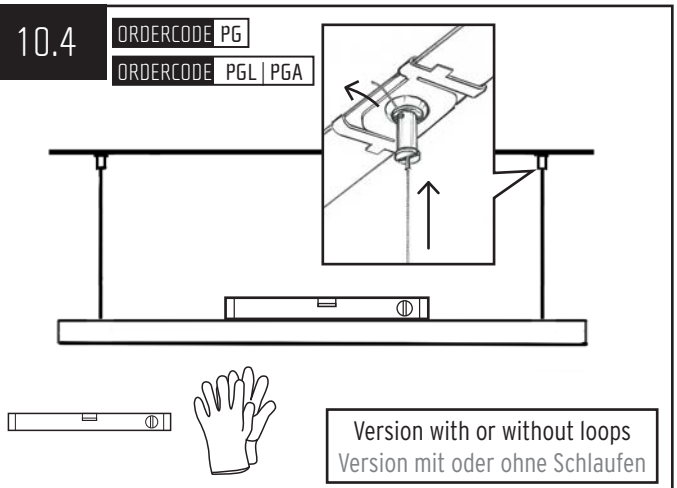
ORDERCODE PG



10.4

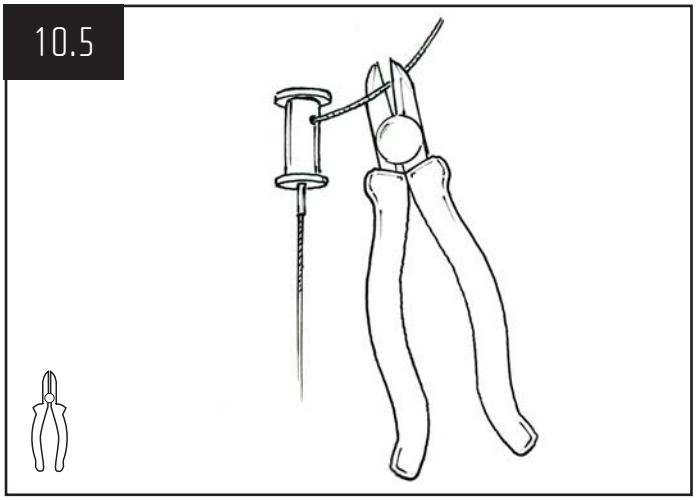
ORDERCODE PG

ORDERCODE PGL | PGA



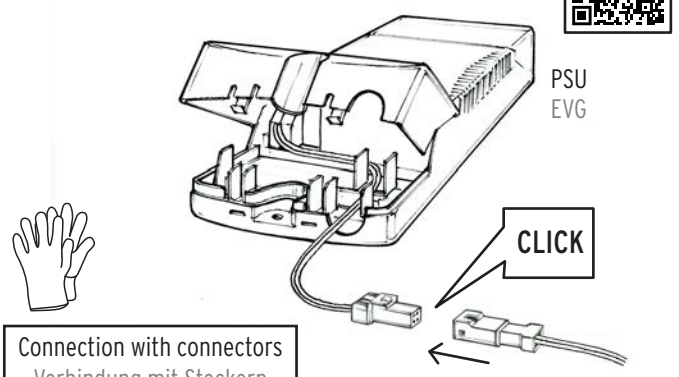
Version with or without loops
Version mit oder ohne Schlaufen

10.5



10.6.1

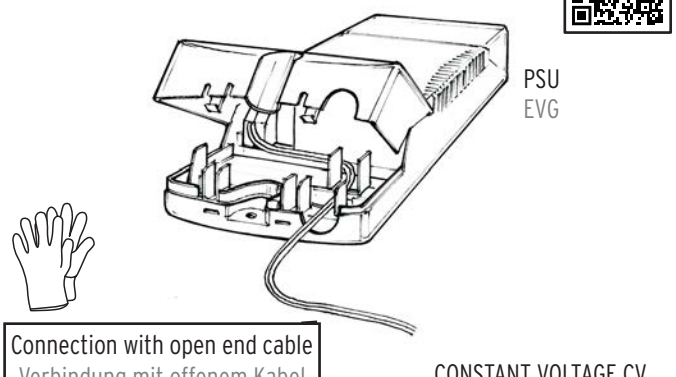
SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH



Connection with connectors
Verbindung mit Steckern

10.6.2

SEPARATELY AVAILABLE
SEPARAT ERHÄLTLICH

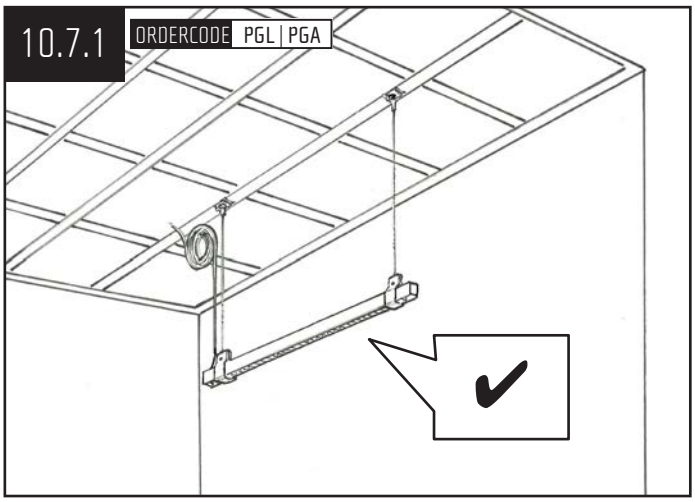


Connection with open end cable
Verbindung mit offenem Kabel

CONSTANT VOLTAGE CV

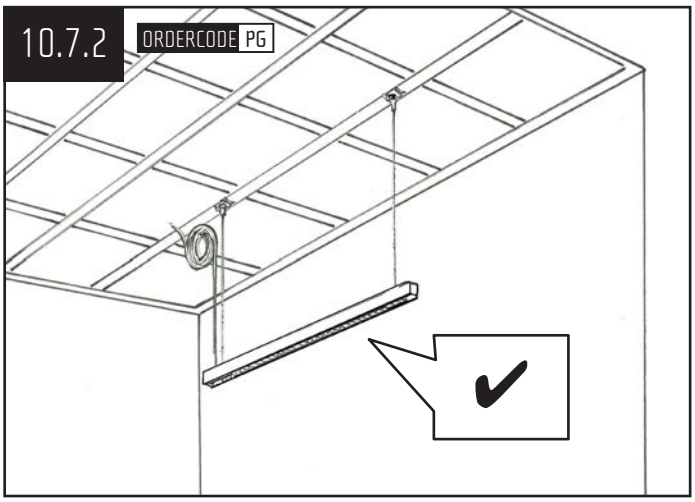
10.7.1

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10.7.2

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