

## TTM LED TTM (T5)

EN POWER SUPPLY  
FR CÂBLAGES  
DE VERDRÄHTUNGSTYPEN  
PT ALIMENTAÇÃO ELÉCTRICA  
ES ALIMENTACIÓN ELÉCTRICA

**HF**  
STANDARD POWER SUPPLY  
CÂBLAGE STRANDARD  
STANDARD VERDRÄHTUNG  
ALIMENTAÇÃO ELÉCTRICA STANDARD  
ELECTRIFICACIÓN ESTANDAR



BLUE - N (NEUTRAL)  
GREEN AND YELLOW - (EARTH)  
BROWN - L (LIVE)

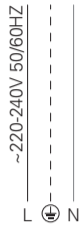
BLEU - N (NEUTRE)  
VERT ET JAUNE - (TERRE)  
MARRON - L (PHASE)

BLAU - N (NEUTRAL)  
GRÜN UND GELB - (ERDE)  
BRAUN - L (PHASE)

AZUL - N (NEUTRO)  
VERDE E AMARELO - (TERRA)  
CASTANHO - L (FASE)

AZUL - N (NEUTRAL)  
VERDE Y AMARILLO - (TIERRA)  
MARRÓN - L (FASE)

**DSI/DALI**  
DIMMABLE POWER SUPPLY  
CÂBLAGE AVEC GRADATION  
DIMMBARE VERDRÄHTUNG  
ALIMENTAÇÃO ELÉCTRICA COM REGULAÇÃO  
ELECTRIFICACIÓN CON REGULACIÓN



BLUE - N (NEUTRAL)  
GREEN AND YELLOW - (EARTH)  
BROWN - L (LIVE)  
GREY - D1+  
BLACK - D2-

BLEU - N (NEUTRE)  
VERT ET JAUNE - (TERRE)  
MARRON - L (PHASE)  
GRIS - D1+  
NOIR - D2-

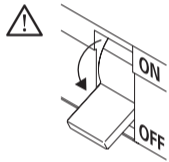
BLAU - N (NEUTRAL)  
GRÜN UND GELB - (ERDE)  
BRAUN - L (PHASE)  
GRAU - D1+  
SCHWARZ - D2-

AZUL - N (NEUTRO)  
VERDE E AMARELO - (TERRA)  
CASTANHO - L (FASE)  
CINZA - D1+  
PRETO - D2-

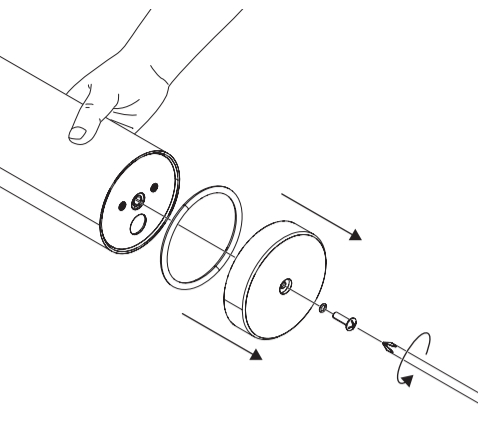
AZUL - N (NEUTRAL)  
VERDE Y AMARILLO - (TIERRA)  
MARRÓN - L (FASE)  
GRIS - D1+  
NEGRO - D2-

## TTM (T5)

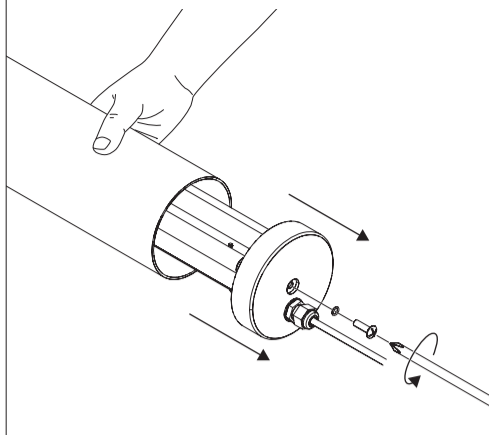
EN LAMP REPLACEMENT  
FR REMPLACEMENT DES LAMPES  
DE LAMPEN ERSATZ  
PT SUBSTITUIÇÃO DE LÂMPADA  
ES REEMPLAZO DE LÁMPARA



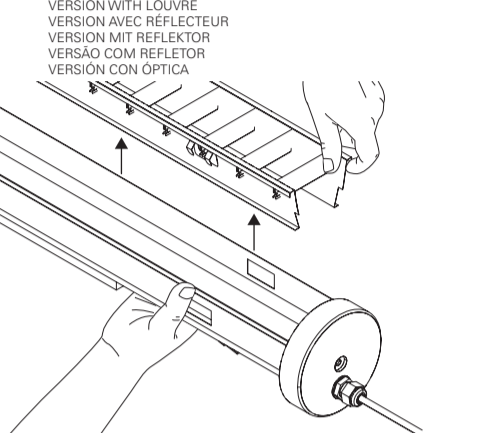
### 5 - TTM (T5)



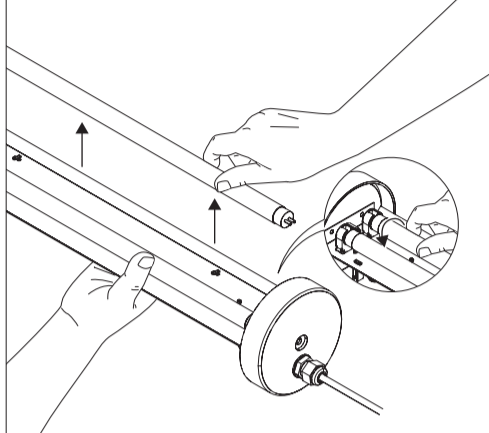
### 6 - TTM (T5)



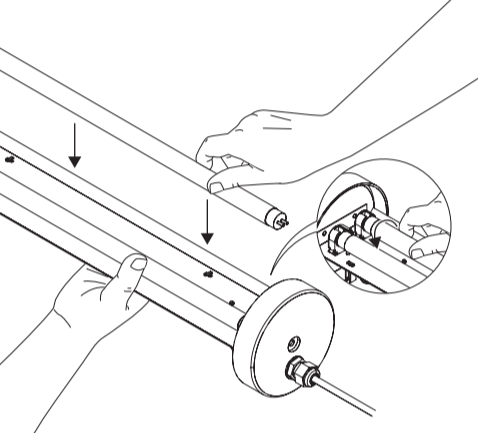
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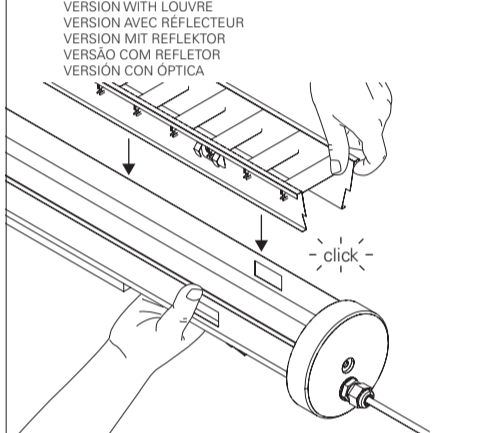
### 8 - TTM (T5)



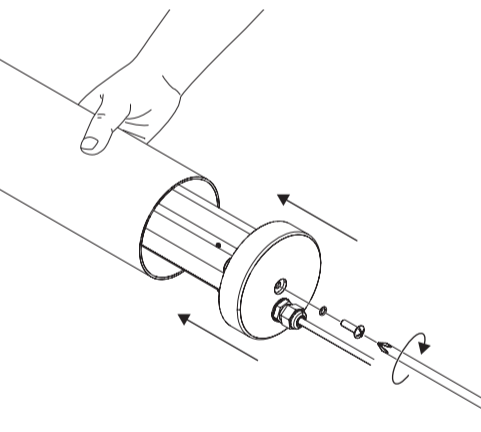
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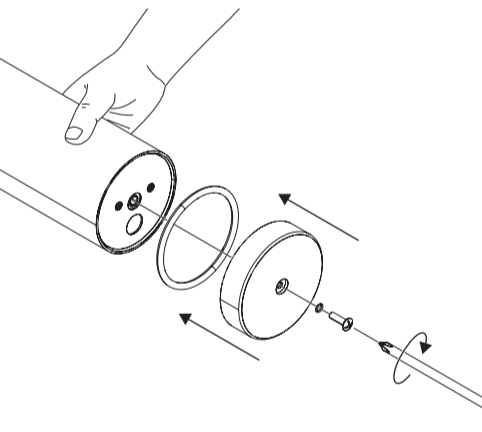
### 10 - TTM (T5)



### 11 - TTM (T5)



### 12 - TTM (T5)

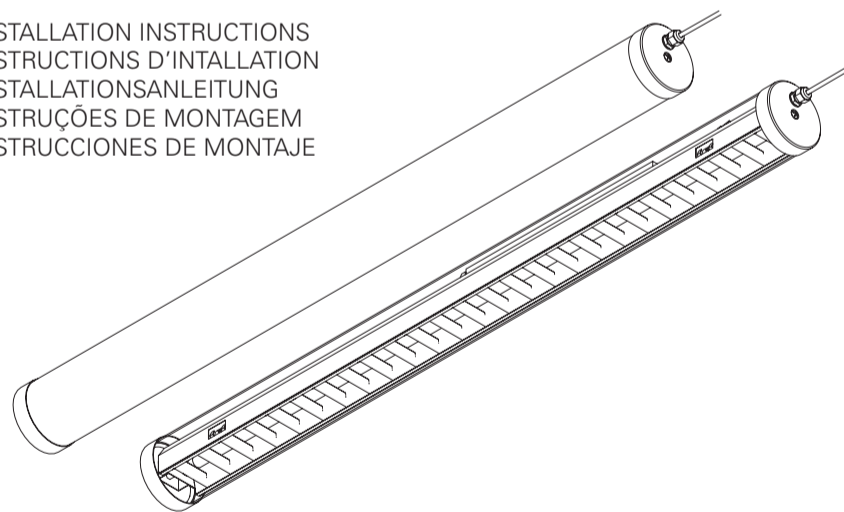


ROXO lighting

MADE IN PORTUGAL

## TTM LED | TTM

EN INSTALLATION INSTRUCTIONS  
FR INSTRUCTIONS D'INSTALLATION  
DE INSTALLATIONSANLEITUNG  
PT INSTRUÇÕES DE MONTAGEM  
ES INSTRUCCIONES DE MONTAJE



### TTM LED

CE IP68 (1,2m) IK10 230V/50Hz

### TTM (T5)

CE IP68 (1,2m) IK10 230V/50Hz

**EN** Surface mounted luminaire  
**FR** Luminaire saillie  
**DE** Aufbauleuchte  
**PT** Luminária saliente  
**ES** Luminaria de superficie

**EN** Suspended luminaire  
**FR** Luminaire suspendu  
**DE** Hängeleuchte  
**PT** Luminária suspensa  
**ES** Luminaria suspendida

**EN** Wall mounted luminaire  
**FR** Applique murale  
**DE** Wandleuchte  
**PT** Luminária de parede  
**ES** Luminaria de pared

**LED VERSION | VERSION LED | VERSÃO LED | VERSIÓN LED**  
**EN** Do not open the luminaire. Any anomalies, please contact the manufacturer.  
**FR** Ne pas ouvrir l'appareil. Pour toute anomalie détectée contacter le fabricant.  
**DE** Leuchte nicht aufmachen, falls Anomalien vorfinden, bitte den Hersteller kontaktieren.  
**PT** Não abrir a luminária. Qualquer anomalia detetada contactar o fabricante.  
**ES** No abrir la luminaria. Para cualquier anomalía detectada contactar con el fabricante.

**CAUTION, RISK OF ELECTRIC SHOCK.**  
**EN** Caution, risk of electric shock.  
**FR** Attention, risque de choc électrique.  
**DE** Achtung, Gefahr eines Stromschlags.  
**PT** Cuidado, risco de choque elétrico.  
**ES** Precaución, riesgo de descarga eléctrica.

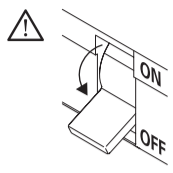
**T5 VERSION | VERSION T5 | VERSÃO T5 | VERSIÓN T5**  
**EN** To ensure the IP, replace the lamps as instructed in this manual.  
**FR** Pour garantir le IP, remplacer les lampes suivant nos instructions.  
**DE** Um den IP-Grad zu sichern, ersetzen Sie die Lampen wie auf den Betriebsanweisungen gezeichnet ist.  
**PT** Para garantir o IP, substitua as lâmpadas conforme as instruções deste folheto.  
**ES** Para garantizar el IP, sustituya las lámparas conforme las instrucciones de este folheto.

**IF GLASS OR DIFFUSER BREAK OR CRACK, PLEASE REPLACE IT.**  
**EN** If glass or diffuser break or crack, please replace it.  
**FR** En cas de casse ou fissuration, remplacez le verre ou diffuseur.  
**DE** Bei Bruch oder Riss, Glas oder Diffuser ersetzen.  
**PT** Em caso de quebra ou fissura, substituir o vidro ou difusor.  
**ES** En caso de rotura o fisura, sustituir el vidrio o difusor.

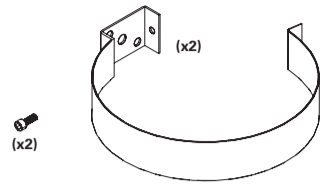
**READ CAREFULLY THE GENERAL TERMS AND CONDITIONS OF USE AND ENVIRONMENTAL CONCERN WITH RECYCLING ATTACHED.**  
**EN** Read carefully the general terms and conditions of use and environmental concern with recycling attached. | **FR** Lire attentivement les conditions générales d'utilisations et de préoccupation environnementales avec le recyclage ci-joint. | **DE** Bitte lesen Sie die Allgemeinen Geschäftsbedingungen und Umweltbewusstsein über Recycling angeschlossen. | **PT** Leia atentamente as condições gerais de uso e preocupação ambiental com a reciclagem, em anexo. | **ES** Lea atentamente las condiciones generales de uso y preocupación ambiental con el reciclaje adjuntos.

**WE RESERVE THE RIGHT TO MAKE CHANGES ON TECHNICAL SPECIFICATIONS, DESIGN AND INSTALLATION LEAFLET WITHOUT PRIOR NOTICE.**  
**EN** We reserve the right to make changes on technical specifications, design and installation leaflet without prior notice. | **FR** Sous réserve de modifications au niveau de la conception, des spécifications techniques et de la notice. | **DE** Änderungen von Entwurf, technischen Daten und Bedienungsanleitungen bleiben vorbehalten. | **PT** O fabricante reserva-se no direito de realizar modificações no desenho, especificações técnicas e folheto, sem aviso prévio. | **ES** El fabricante se reserva el derecho de realizar modificaciones en el diseño, las especificaciones técnicas y el folheto.

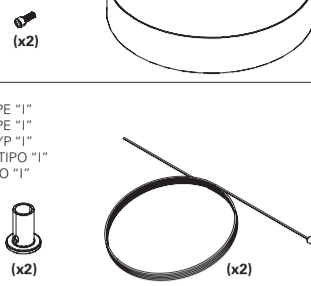
**TTM LED**  
**TTM (T5)**



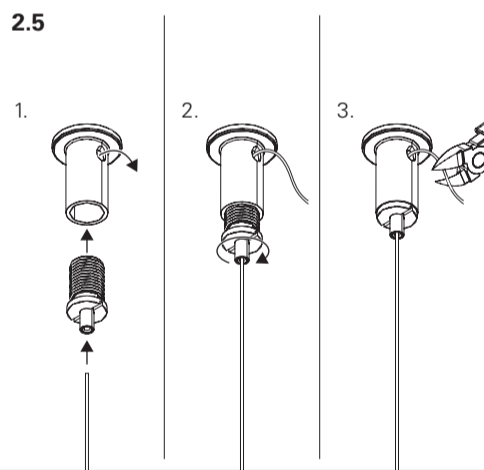
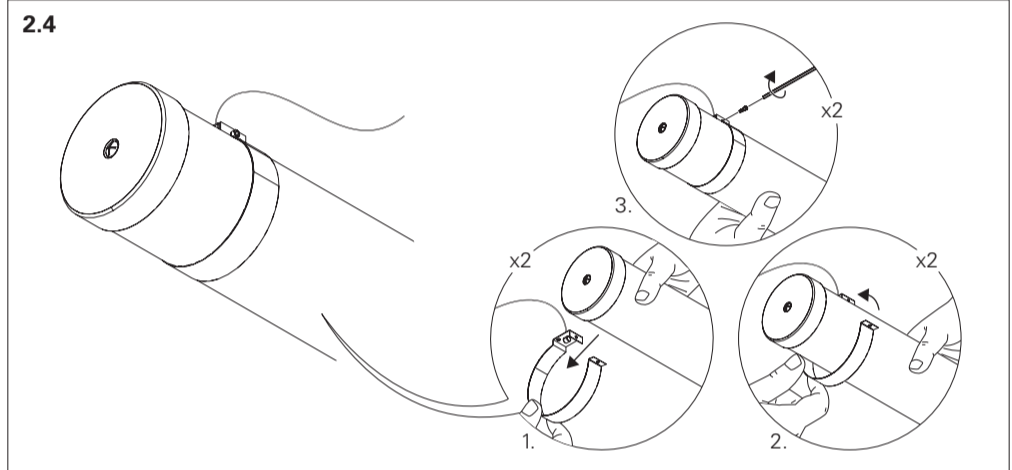
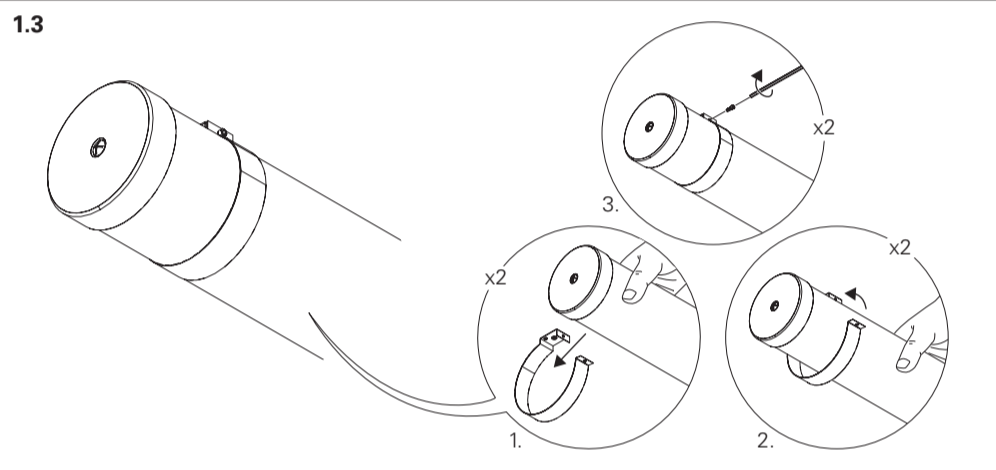
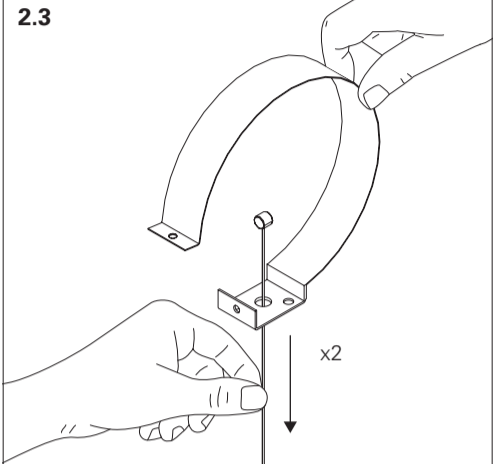
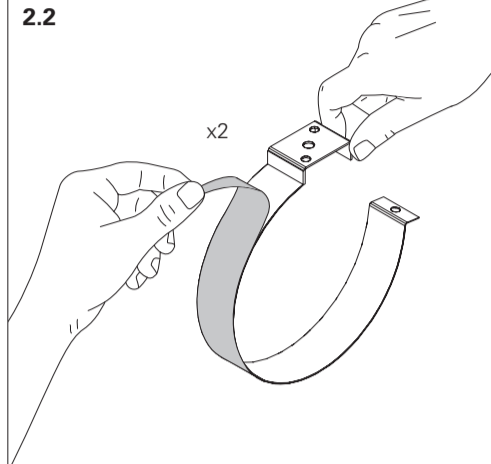
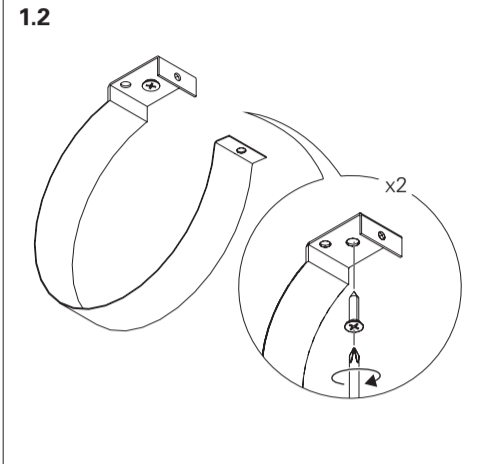
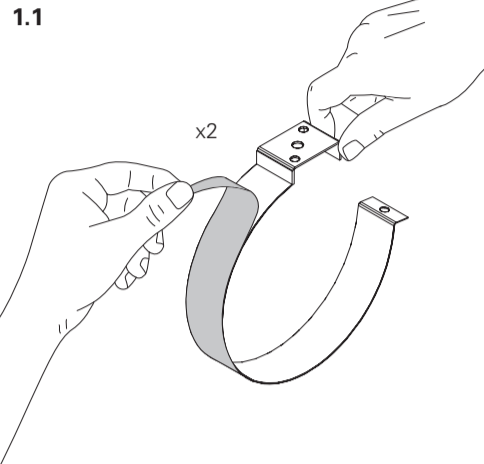
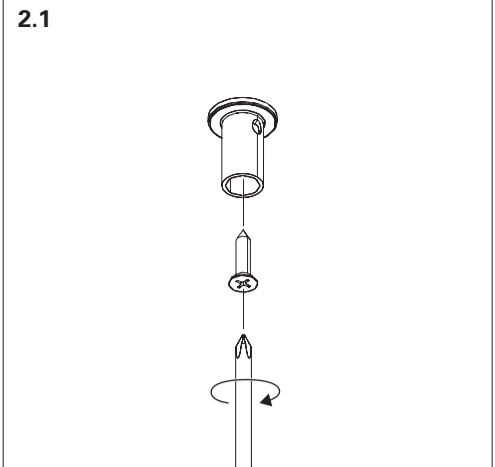
**1 - BASIC STAINLESS STEEL FIXING HOLDER**  
COLLIERS DE FIXATION BASIQUE EN INOX  
EINFACHE EDELSTAHL HALTERUNG  
ABRACADEIRA BÁSICA EM INOX  
ABRAZADERA BÁSICA EN INOX



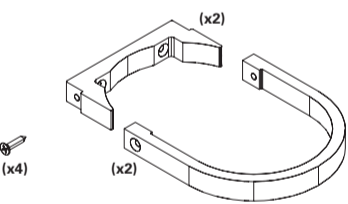
**2 - BASIC STAINLESS STEEL FIXING HOLDER**  
COLLIERS DE FIXATION BASIQUE EN INOX  
EINFACHE EDELSTAHL HALTERUNG  
ABRACADEIRA BÁSICA EM INOX  
ABRAZADERA BÁSICA EN INOX



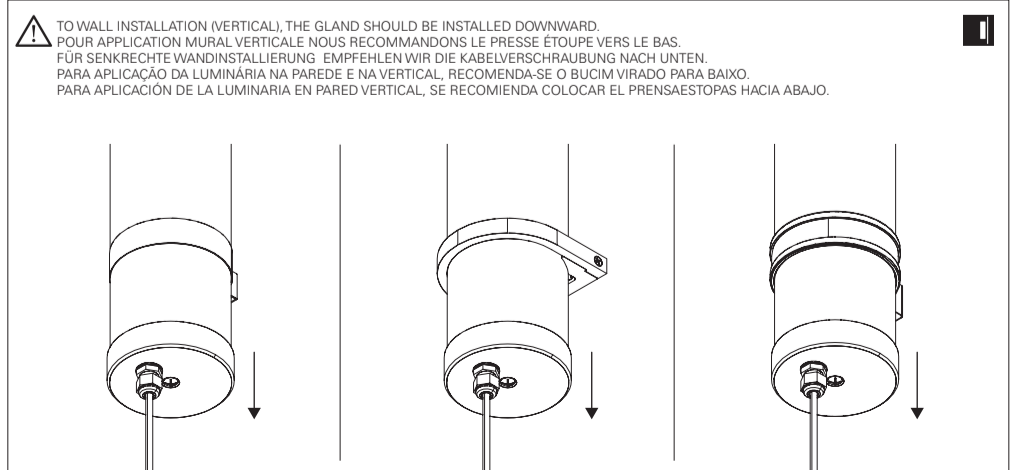
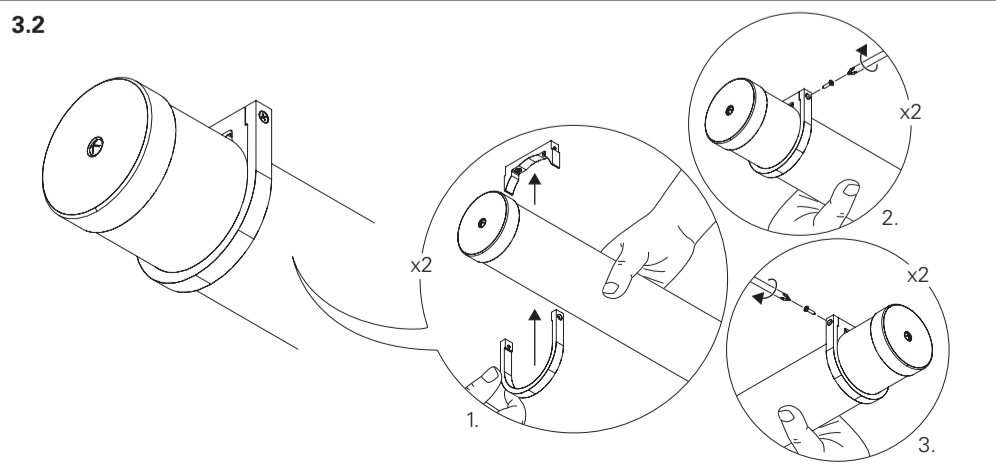
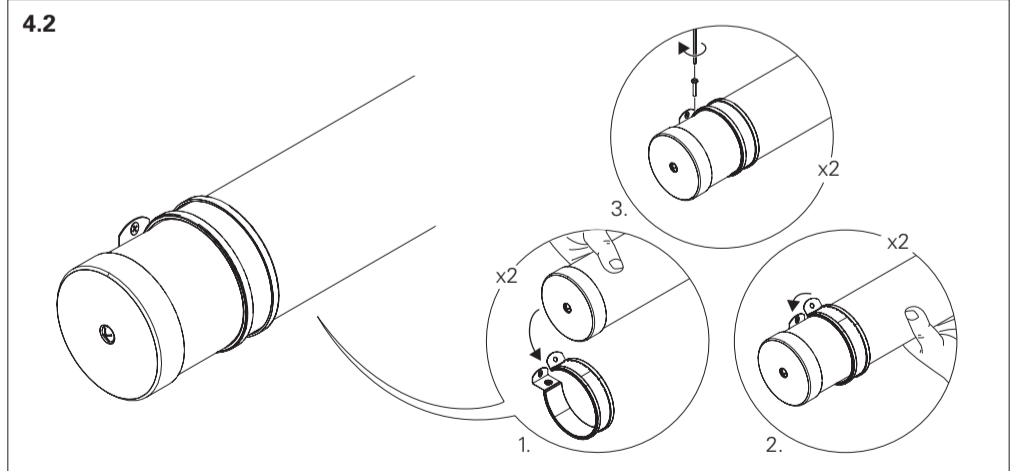
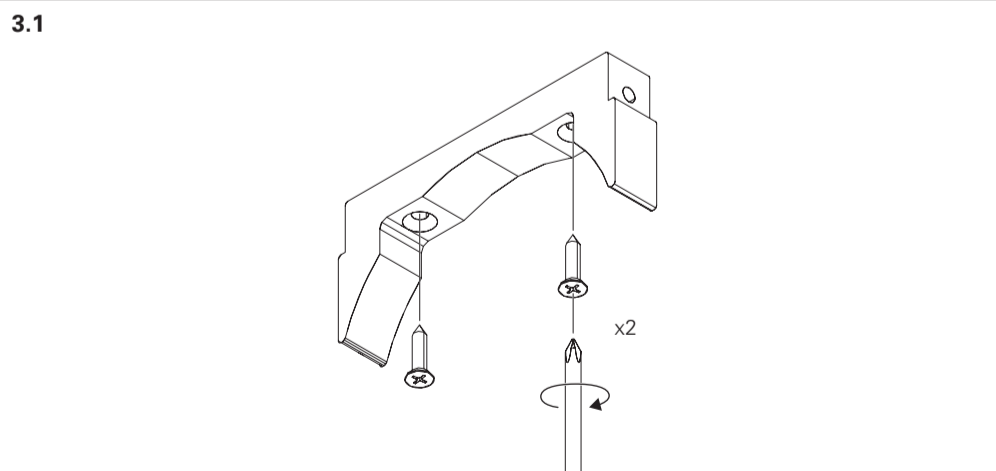
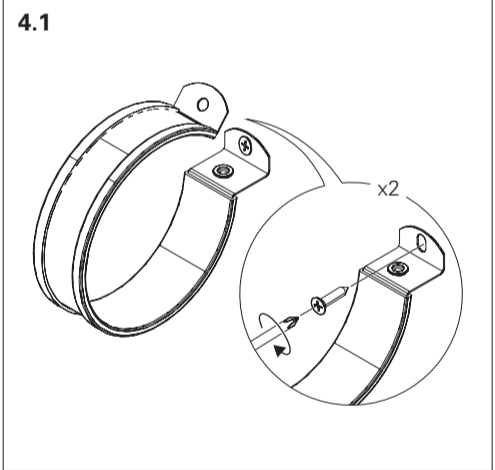
SUSPENSION TYPE "1"  
SUSPENSION TYPE "1"  
AUFHÄNGUNG TYP "1"  
SUSPENSÃO DO TIPO "1"  
SUSPENSION TIPO "1"



**3 - ACRYLIC FIXING HOLDER**  
COLLIER DE FIXATION EN ACRYLIQUE  
ACRYL HALTERUNG  
ABRACADEIRA EM ACRILICO  
ABRAZADERA ACRILICA



**4 - WALL FIXING HOLDER**  
COLLIER DE FIXATION MURALE  
WANDHALTERUNG  
ABRACADEIRA DE PAREDE  
ABRAZADERA DE PARED



⚠ TO WALL INSTALLATION (VERTICAL), THE GLAND SHOULD BE INSTALLED DOWNWARD.  
POUR APPLICATION MURALE VERTICALE NOUS RECOMMANDONS LE PRESSE ETOUPE VERS LE BAS.  
FÜR SENKRECHTE WANDINSTALLIERUNG EMPFEHLEN WIR DIE KABELVERSCHRAUBUNG NACH UNTEN.  
PARA APLICACIÓN DA LUMINÁRIA NA PAREDE E NA VERTICAL, RECOMENDA-SE O BUCIM VIRADO PARA BAIXO.  
PARA APLICACIÓN DE LA LUMINARIA EN PARED VERTICAL, SE RECOMIENDA COLOCAR EL PRENSAESTOPAS HACIA ABAJO.