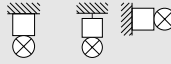


# INSTRUCTION

Mondana  
312757.002.19



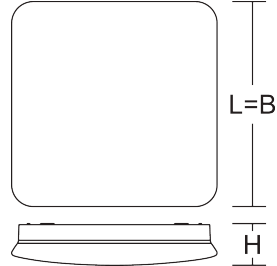
~ 220 - 240 V 50/60 Hz IP 44 IK02



5 x 0,75 - 2,5 mm<sup>2</sup>  
 2,50 mm<sup>2</sup>



Umgebungstemperatur /  
temperature ambiante  
=> -20 °C ... + 35 °C



L 380, B 380, H 77



1,9 kg

	$\Phi$ [lm]	$P_{\text{in}}$ [W]	$P_{\text{out}}$		
--	-------------	---------------------	------------------	--	--

LED 2550 20 1 x 17 W

CCT [K]	CRI	RG	EEK		
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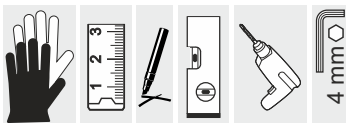
4000 80 RG 0 C

	$B_{10}$ [St.]	$B_{16}$ [St.]	$C_{10}$ [St.]	$C_{16}$ [St.]	$\cos \varphi$
--	----------------	----------------	----------------	----------------	----------------

15,6 A / 248  $\mu$ s 16 26 27 44 0,9

$f_{\text{min}} - f_{\text{max}}$ [MHz]	$p_{\text{EIRP}}$ [mW]		
---	------------------------	--	--

2400 - 2483 0,2  
13,553 - 13,567  
5725 - 5875





Installation erfordert  
Elektro-Fachkraft!

Symbole nach ISO 7010



### Allgemeine Sicherheitshinweise

- Der elektrische Anschluss muss ordnungsgemäß nach geltenden Normen und den nationalen sowie internationalen Sicherheits- und Unfallverhütungsvorschriften erfolgen.
- Beschädigte Leuchten dürfen nicht betrieben werden.
- Keine Haftung für Schäden durch unsachgemäßen Einsatz.
- Bei Instandsetzung nur Originalteile verwenden.
- Tragfähigkeit der Decke und Befestigungselemente sicherstellen.

### Betrieb der Leuchte

- Die unzulässigen Umgebungstemperaturen reduzieren die Lebensdauer der Leuchte, im Extremfall droht der Frühausfall.
- Zur Vermeidung von EMV-Problemen die Durchgangsverdrahtung nicht entlang der Leuchtenverdrahtung führen.
- Steuereingänge von dimmbaren Leuchten mit handelsüblichen für Netzspannung geeigneten Leitungen anschließen.

### Manipulationen unserer Produkte sind unzulässig

Veränderung, Umarbeitung, Umkennzeichnung von Produkten sowie deren Verpackung sind unzulässig und verletzen u.a. unsere eingetragenen Warenzeichenrechte. Solche Modifikationen können technische Eigenschaften unserer Produkte negativ beeinflussen, diese zerstören und möglicherweise Folgeschäden an anderen Objekten verursachen. Für durch derartige Modifikationen verursachte Schäden kann der Hersteller in keinem Fall verantwortlich gemacht werden.



Installation requires  
a qualified electrician!

Symbols according  
to ISO 7010



### General Safety Information

- Electric connection must be appropriate according to all applicable standards and other national and international safety and accident prevention regulations.
- Damaged luminaires must not be operated.
- No liability is accepted for damages resulting from improper use.
- Use genuine parts only for repair.
- Ensure stability of the ceiling and fastening elements.

### Operation of the luminaire

- Exceeding the permissible ambient temperature will reduce the luminaire's lifecycle, resulting in premature failure in extreme cases.
- Avoid ESD problems by not routing feed-through wiring directly along the wiring of the luminaire.
- Connect control inputs of dimmable luminaires with standard cables suitable for power supply voltage.

### Manipulation of our products is not permitted

Modifications, reworking, re-labelling of products as well as their package is not permitted and infringes, amongst others, our registered trademark rights. Such modifications may affect technical properties of our products, damage them and possibly cause consequential damage to other objects. The manufacturer shall not be responsible under any circumstances for damage caused by such modifications.



 Bei Fragen zu unseren Symbolen, besuchen Sie folgende Webseite:  
If you have any questions about our signs, visit the following website:



[https://www.rzb.de/fileadmin/assets/downloads/PDF/RZB\\_Symbolklaerung.pdf](https://www.rzb.de/fileadmin/assets/downloads/PDF/RZB_Symbolklaerung.pdf)

**EEK** 

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse C entsprechend Verordnung (EU) 2019/2015

This product contains a light source of energy efficiency class C according to regulation (EU) No 2019/2015

 Jede zersprungene Schutzabdeckung ist zu ersetzen. DIN EN 60598

Replace any cracked protective shield. IEC DIN EN 60598

 Die Lichtquelle dieser Leuchte darf nur vom Hersteller oder einem von ihm beauftragten Servicetechniker oder einer vergleichbar qualifizierten Person ersetzt werden. DIN EN 60598-1 / IEC 60598-1

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. DIN EN 60598-1 / IEC 60598-1



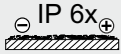
Hinweis zum Einsatz von Leuchten mit D - Kennzeichnung nach EN 60598-2-24  
 Reference for application of luminaire with D - marking according to EN 60598-2-24



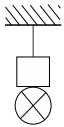
Umgebung ohne Staubablagerung  
 Environment without dust deposit



Umgebung mit nicht elektrisch leitender Staubablagerung  
 Environment with non-electrically conductive dust deposit

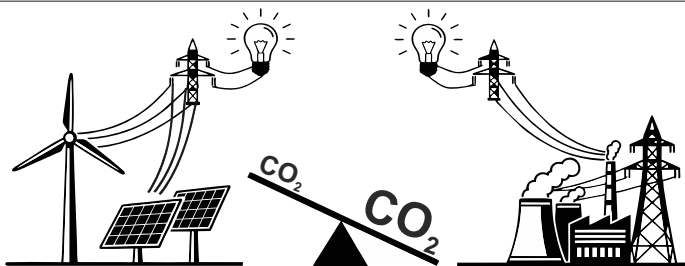
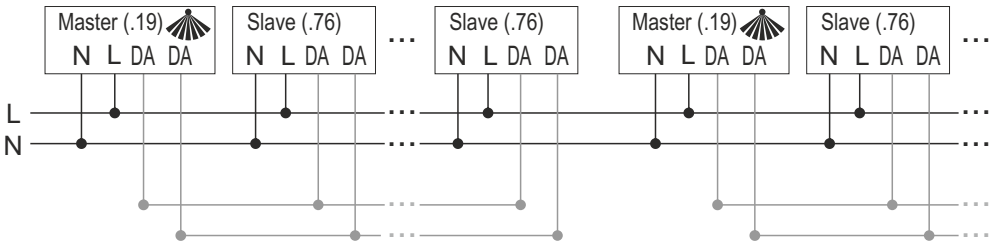


Umgebung mit elektrisch leitender Staubablagerung  
 Environment with electrically conductive dust deposit

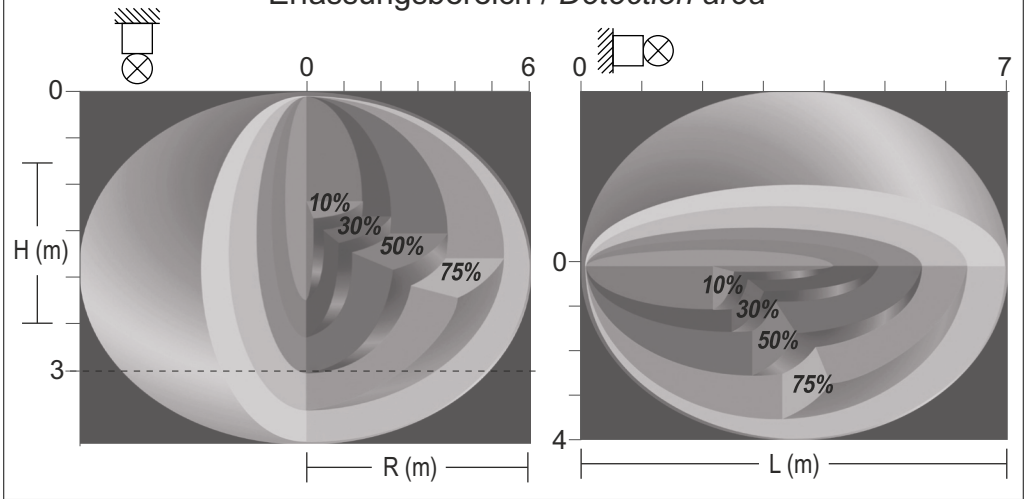


Das Zubehör zur Aufhängung der Leuchte ist vor jeder Inbetriebnahme durch den Anwender auf Schäden zu prüfen.

The accessory for suspending the luminaire must be checked by the user for damage before each commissioning.



### Erfassungsbereich / *Detection area*





**Funktionsparameter des Bewegungsmelders bei einer Deckenmontage von bis zu 3,0 m bzw. bei einer Wandmontage von bis zu 2,5 m:**

- HF-Bewegungsmelder und Lichtsensor mit Bluetooth und DALI Schnittstelle
- Betriebsfrequenz 5,8 GHz
- Erfassungswinkel 150°
- Erfassungsbereich bis zu 6 m radial, abhängig von Montagehöhe
- Sensoren via Bluetooth vernetzbar
- Bis zu 15 DALI Konverter Broadcast steuerbar (30 mA integrierte DALI-Stromversorgung)
- Corridor Function
- Funktionen via App einstellbar
- Empfindlichkeit: 10 - 100 %, stufenlos einstellbar
- Haltezeit: 4 Sek. - 10 h, stufenlos einstellbar
- Helligkeitsschwellenwert: 2 - 1000 lx, stufenlos einstellbar

**Functional parameters of the motion detector when mounted on the ceiling up to 3.0 m or when mounted on the wall up to 2.5 m:**

- HF motion detector and light sensor with Bluetooth and DALI interface
- Operation frequency 5,8 GHz
- Detection angle 150°
- Detection range up to 6 m radial, depending on mounting height
- Sensors can be networked via Bluetooth
- Up to 15 DALI converters broadcast controllable (30 mA integrated DALI power supply)
- Corridor function
- Functions adjustable via app
- Sensitivity: 10 - 100 %, continuously adjustable
- Holding time: 4 sec. - 10 h, continuously adjustable
- Brightness threshold: 2 - 1000 lx, continuously adjustable



<https://www.rzb.de/fileadmin/assets/downloads/PDF/Koolmesh-App-Bedienungsanleitung-DE-210115.pdf>

<https://www.rzb.de/fileadmin/assets/downloads/PDF/Koolmesh-App-User-Manual-EN-2.0.pdf>

## **Bluetooth 5.0 SIG mesh**



iOS



Android



for iOS



for Android



**EU-Konformitätserklärung**  
**EU Declaration of Conformity**  
**Déclaration UE de conformité**  
**Declaración UE de conformidad**  
**Deklaracja zgodności UE**



**Hersteller, Anschrift:**  
**Manufacturer, address:**  
**Fabricant, adresse:**  
**Fabricante, dirección:**  
**Producent, adres:**

**RZB Rudolf Zimmermann, Bamberg GmbH**  
**Rheinstrasse 16**  
**96052 Bamberg**  
**Deutschland / Germany / Allemagne / Alemania / Niemcy**

Wir erklären in alleiniger Verantwortung, dass das Produkt  
*We declare under sole responsibility that the product*  
*Nous déclarons, sous notre propre responsabilité, que le produit*  
*Declaramos bajo nuestra sola responsabilidad que el producto*  
*Deklarujemy z pełną odpowiedzialnością, że produkt*

**Produktbezeichnung:**  
**Product designation:** **Mondana**  
**Description des produits:**  
**Designación de producto:** **312757.002.19**  
**Oznaczenie produktu:**

mit den folgenden EU-Richtlinien und Normen übereinstimmt:  
*complies with the following EU Directives and standards:*  
*est conforme aux normes et directives de l'UE suivantes:*  
*cumple con las siguientes directivas y normas CE:*  
*jest zgodny z następującymi dyrektywami UE i normami:*


<p><b>RED Directive</b> 2014/53/EU</p>	<p><b>(3.1a)</b> EN 60598-1:2021/A11:2022 EN 60598-2-1:1989 EN 62471:2008 EN 62493:2010 <b>(3.1b)</b> EN 55015:2019/A11:2020 EN 61000-3-2:2019/A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021+A2:2021/AC:2022 EN 61547:2023 <b>(3.2)</b> EN 300 328 V2.2.2 EN 300 330 V2.1.1 EN 300 440 V2.1.1</p>
<p><b>RoHS Directive</b> 2011/65/EU</p>	<p>EN 63000:2018</p>
<p><b>ErP Directive</b> 2009/125/EC</p>	<p>(EU) 2019/2020</p>

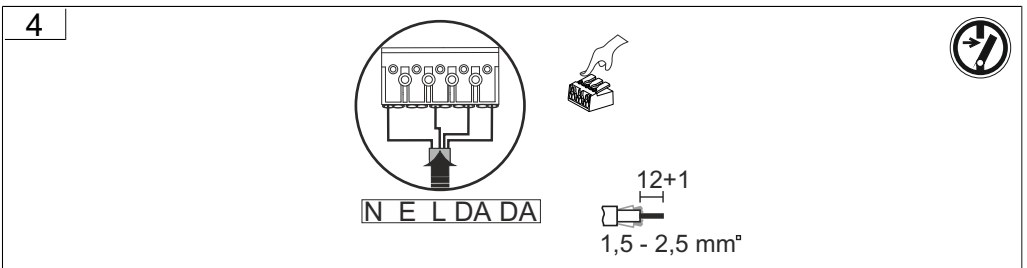
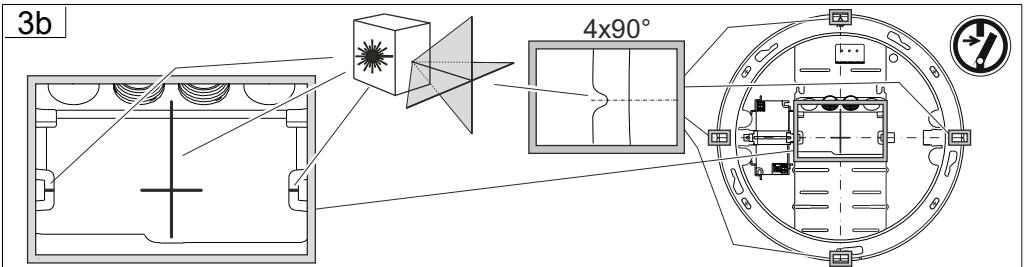
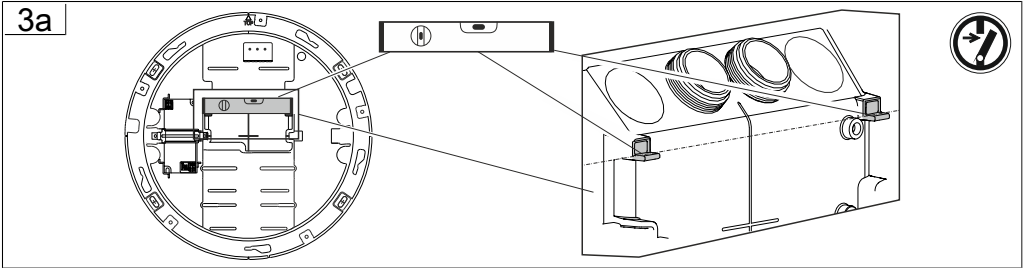
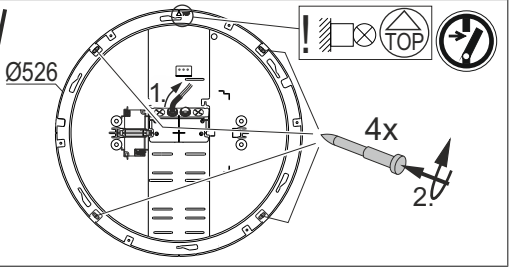
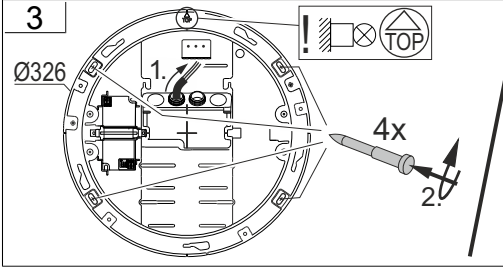
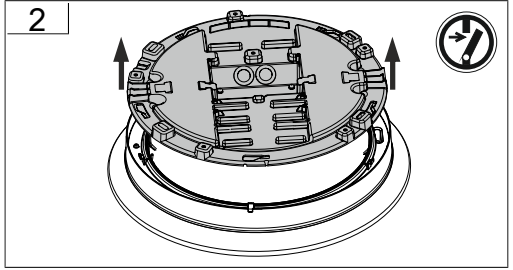
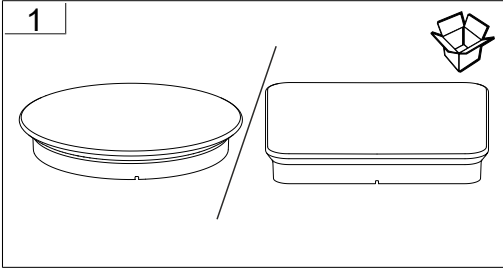
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 Document No. / Nr dokumentu

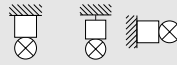
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 Otorgante / Wystawca:

Ort, Datum / Place, Date / Lieu, date: **Bamberg, 25.10.2024**  
 Lugar, Fecha / Miejsce, data:

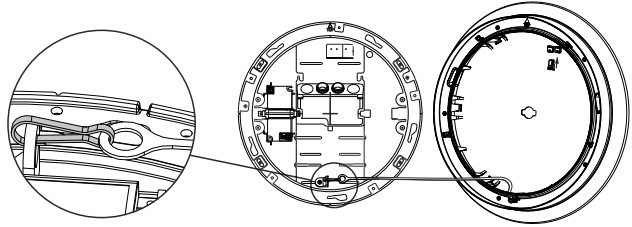
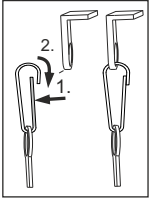
Rechtsverbindliche Unterschrift:  
 Legally binding signature:  
 Signature juridiquement obligatore:  
 Firma legalmente vinculante:  
 Prawnie wiązacy podpis:

  
 Reiner Jürgens  
 CEO/Direktor Zarządzający/Geschäftsführer

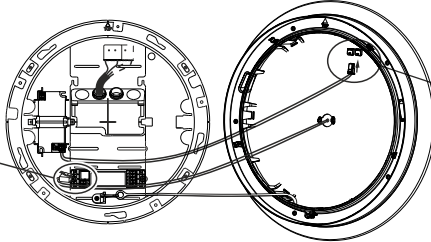
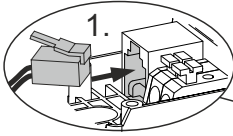




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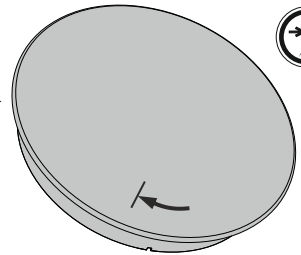
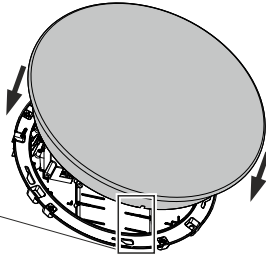
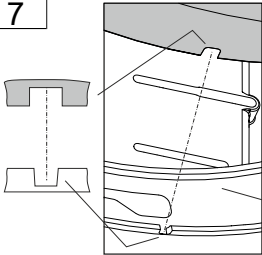


3000K 4000K

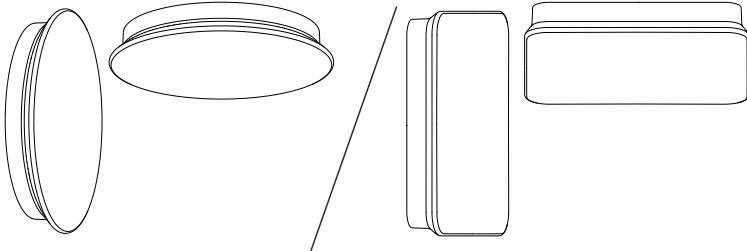
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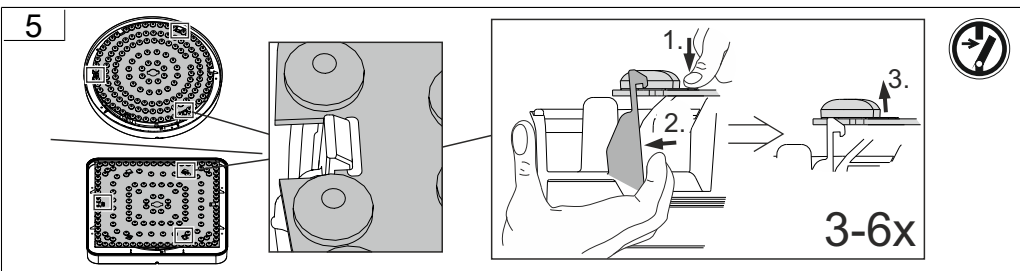
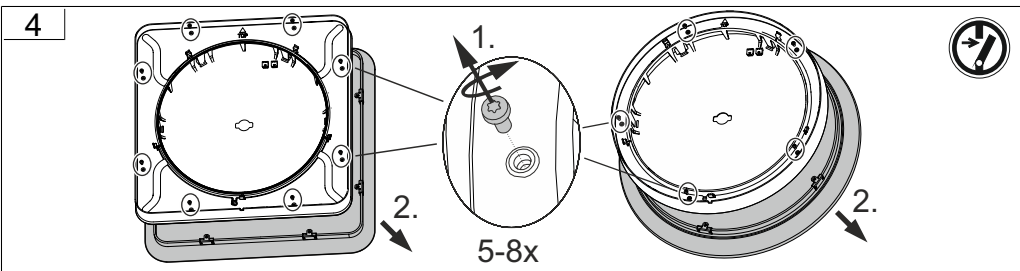
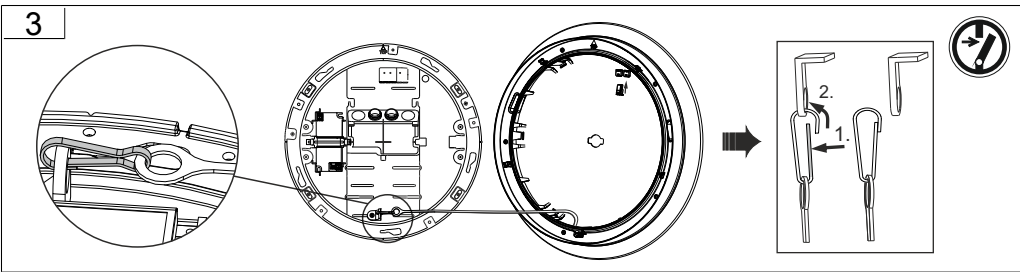
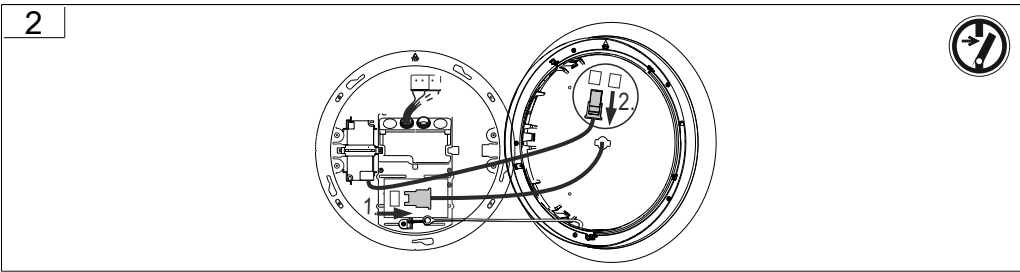
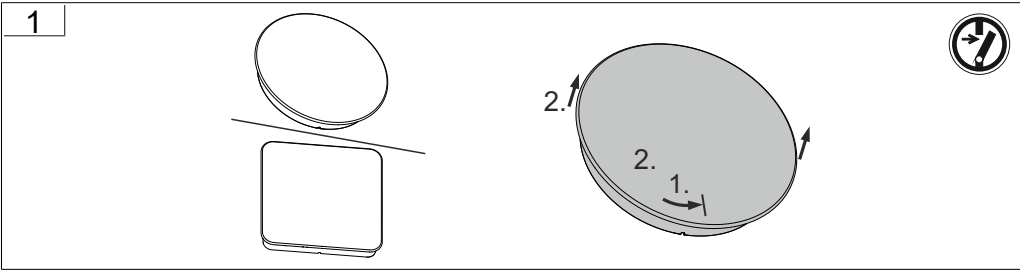


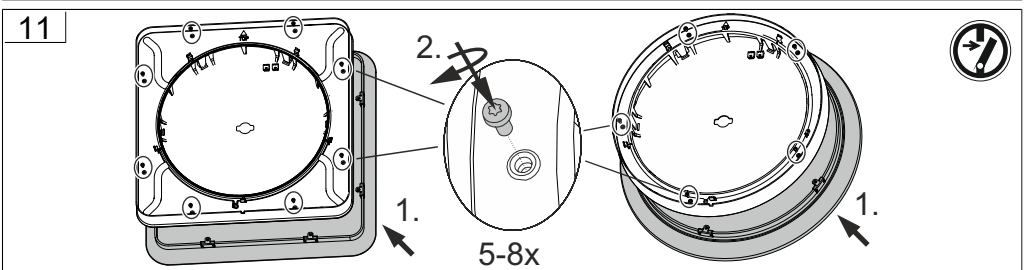
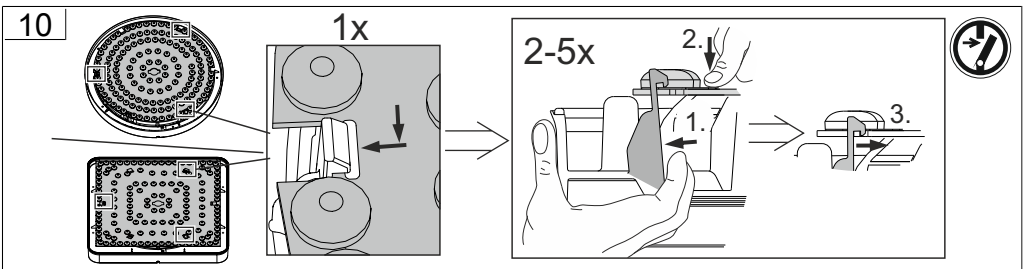
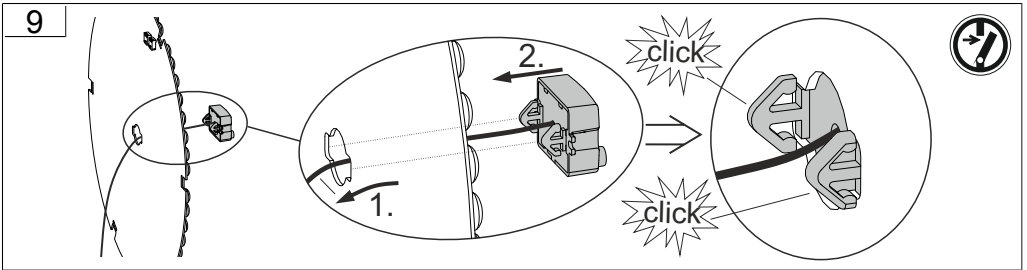
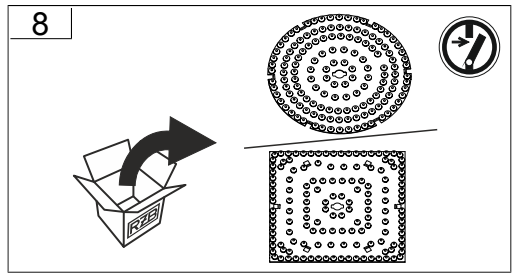
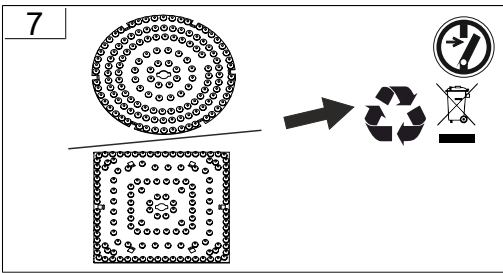
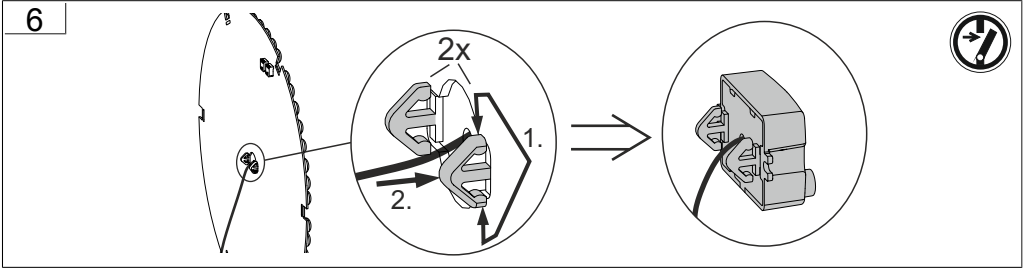
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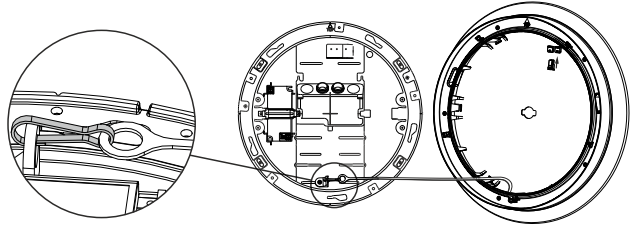
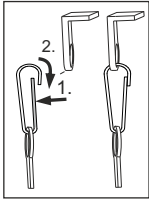




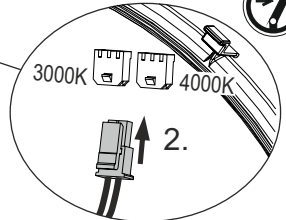
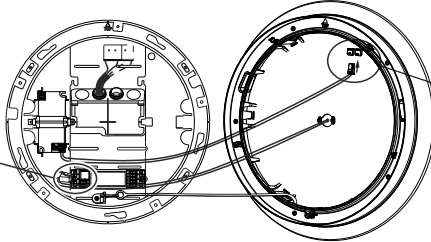
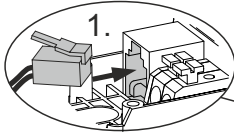




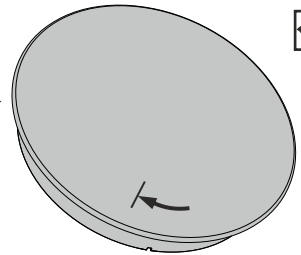
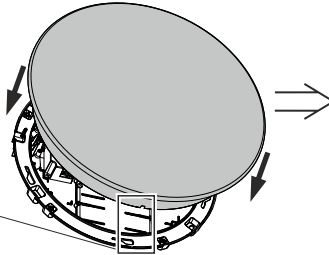
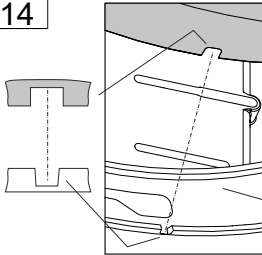
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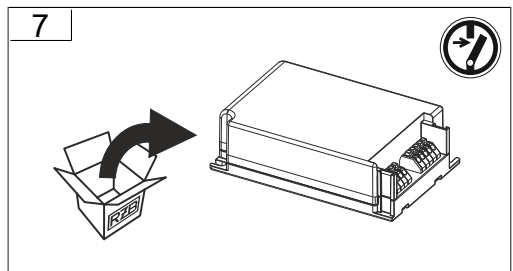
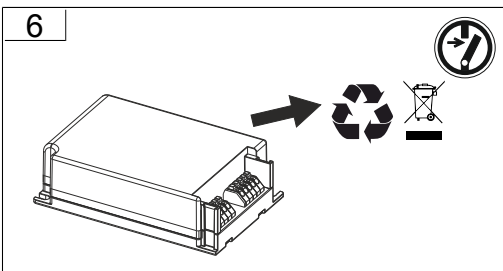
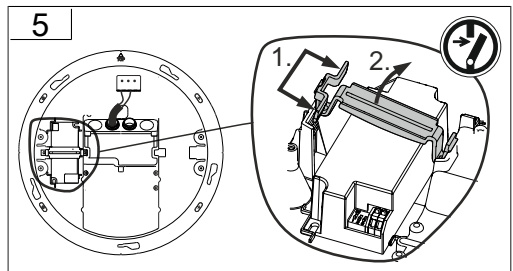
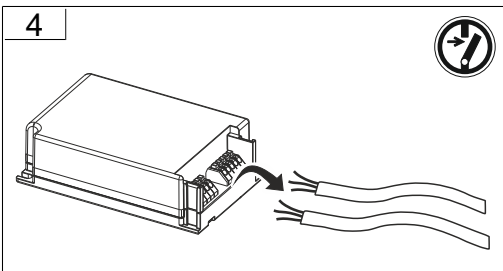
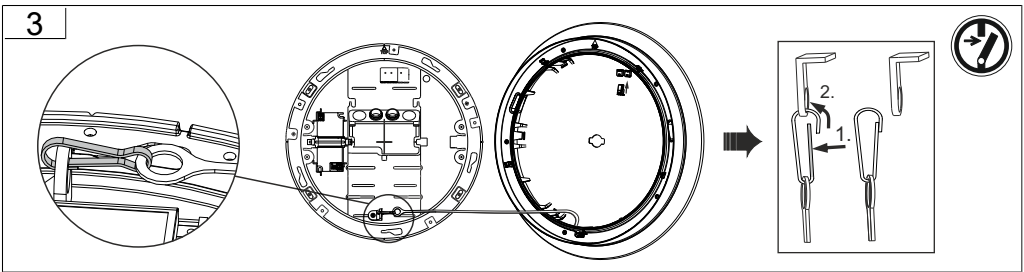
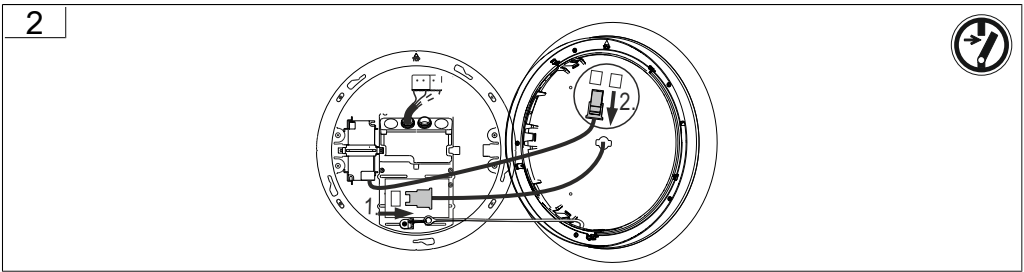
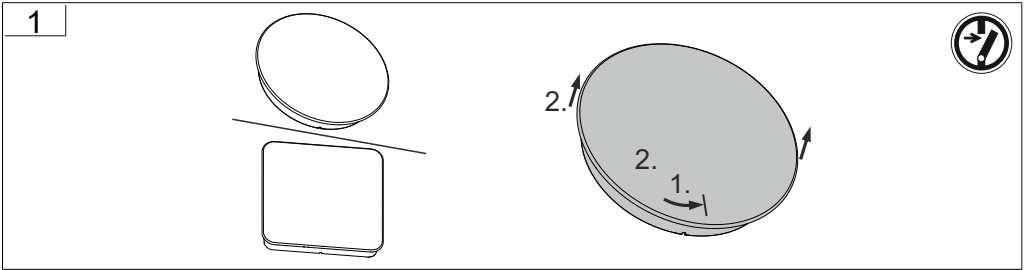


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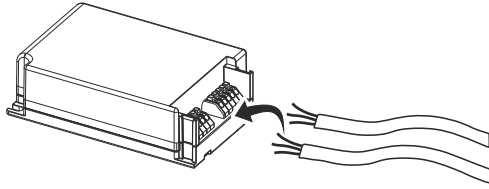
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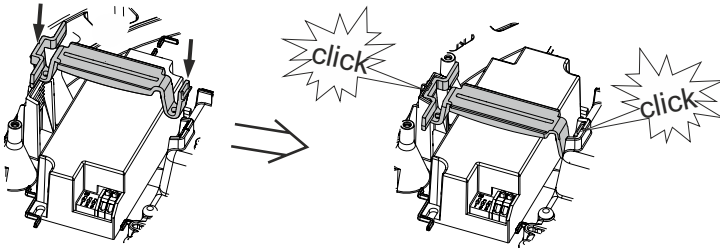




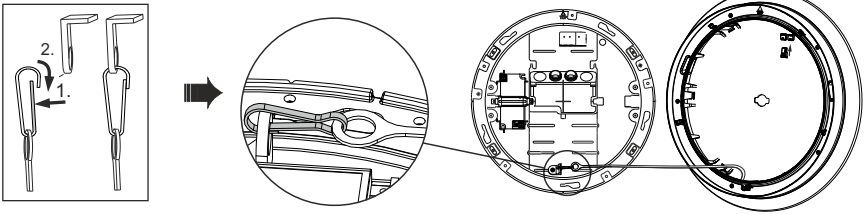
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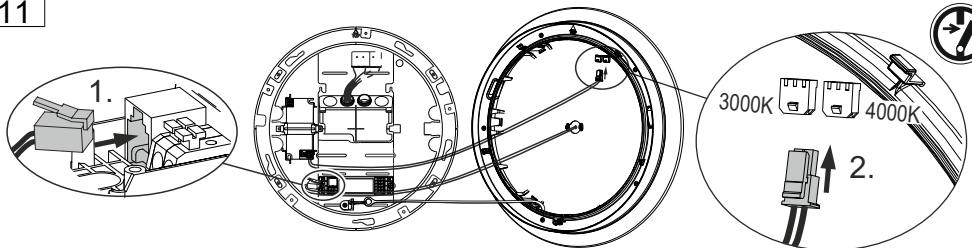
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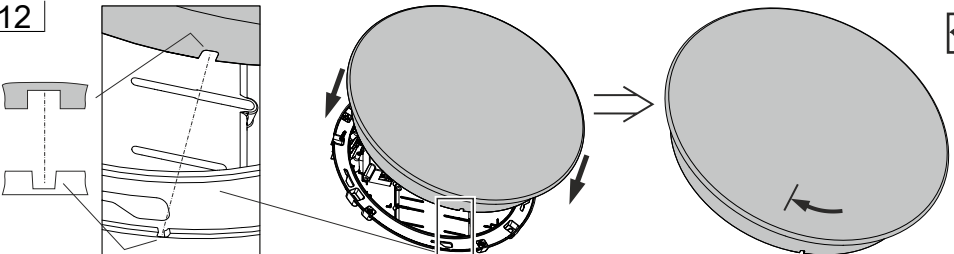
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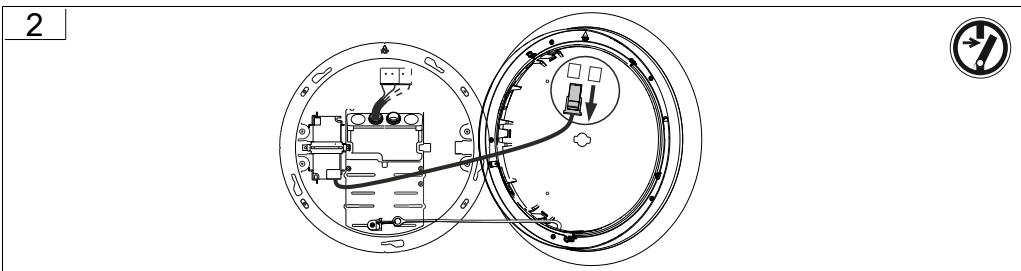
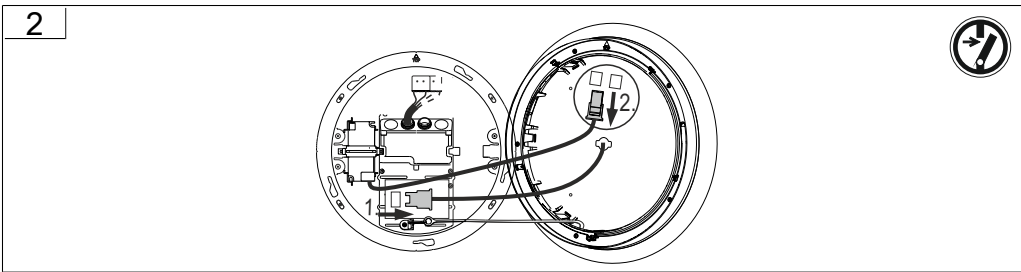
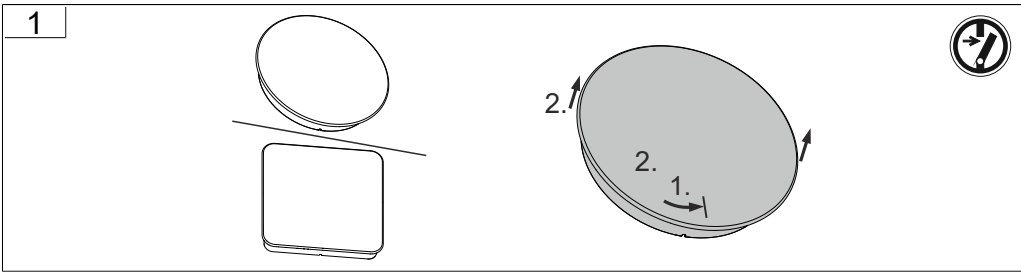
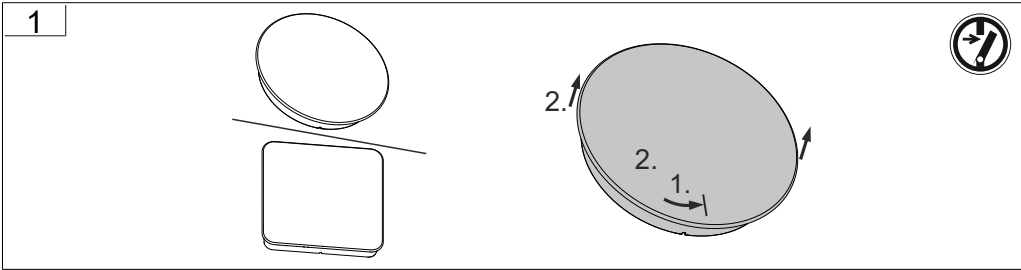


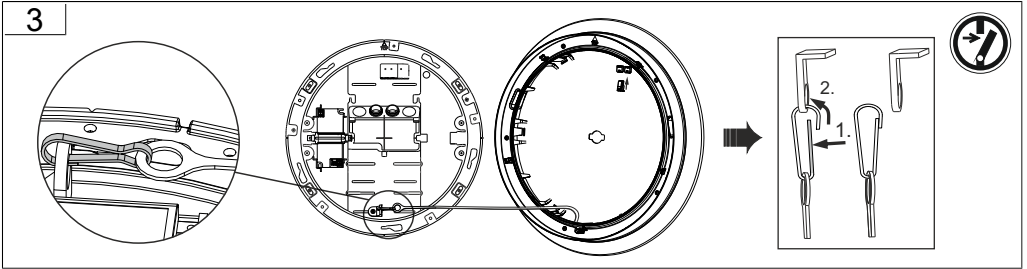
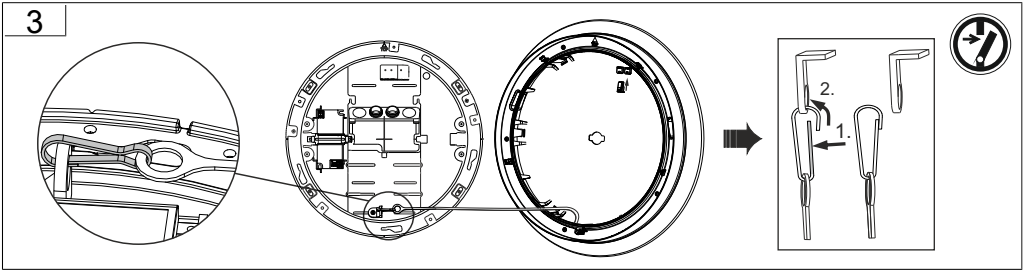
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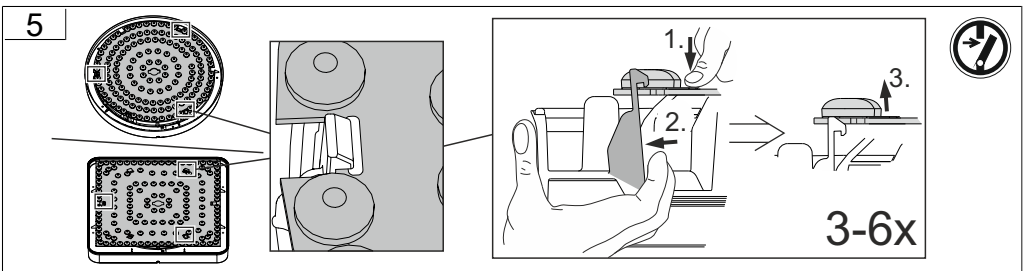
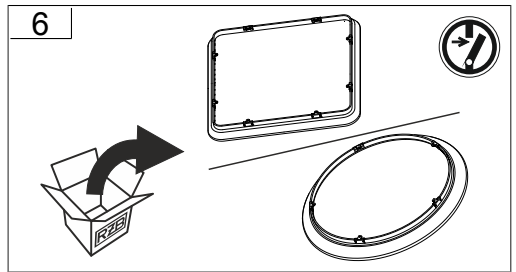
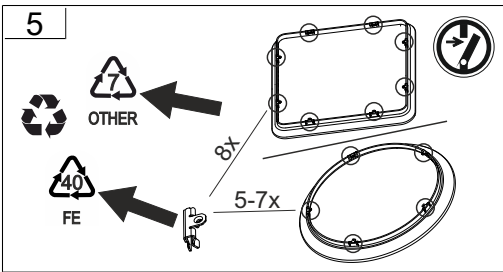
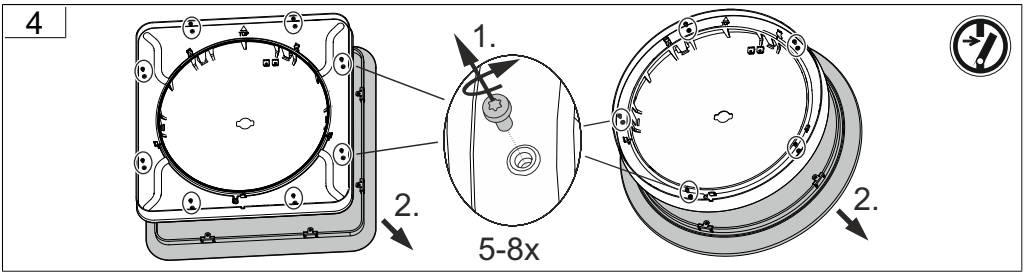
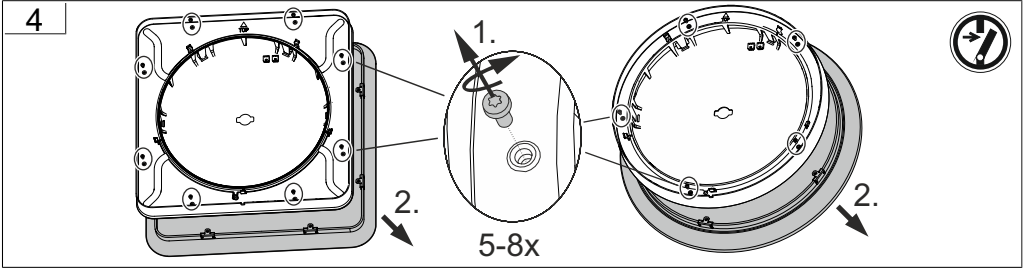


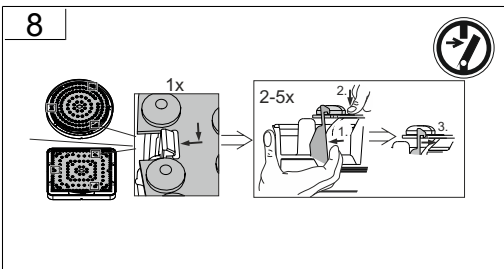
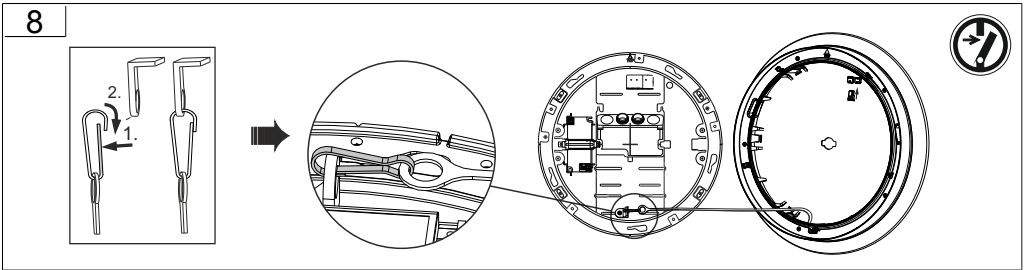
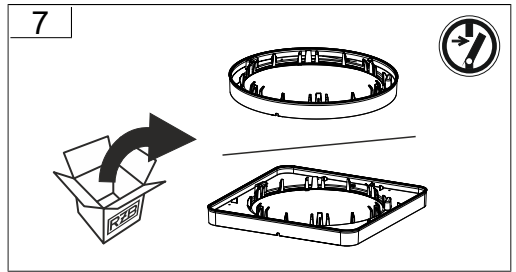
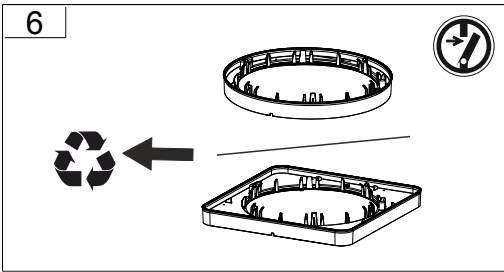
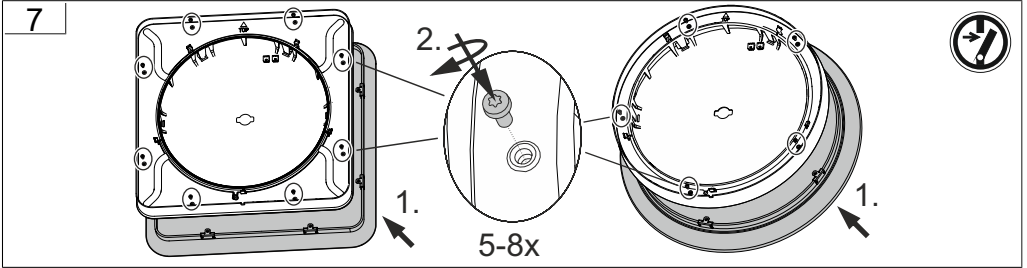
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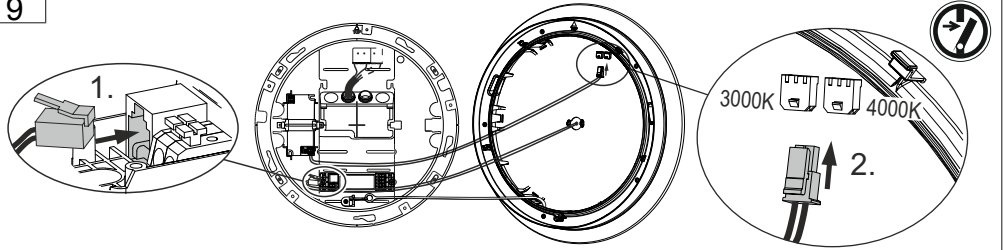




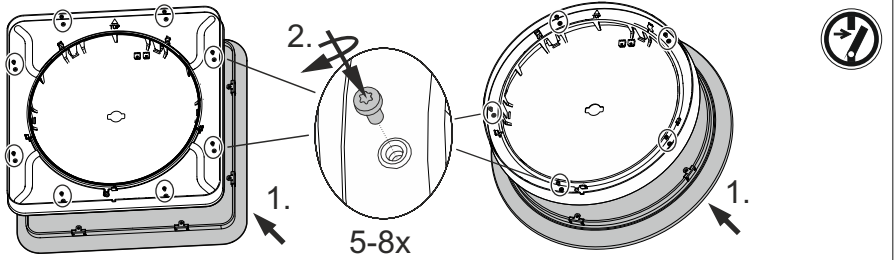




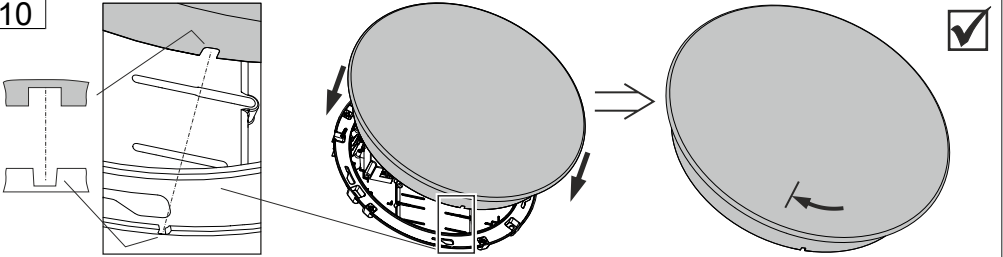
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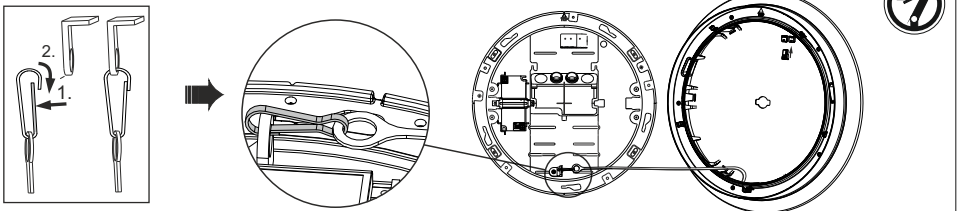
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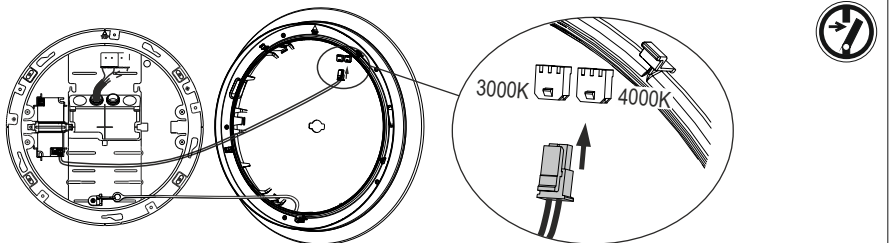
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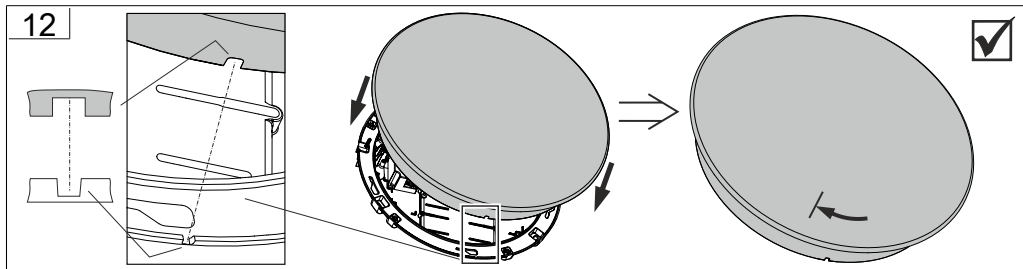


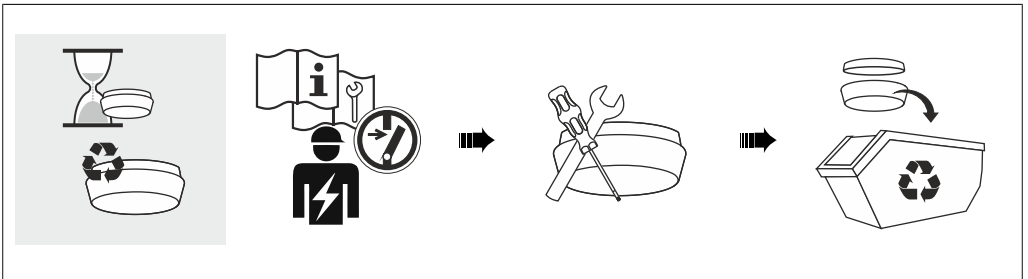
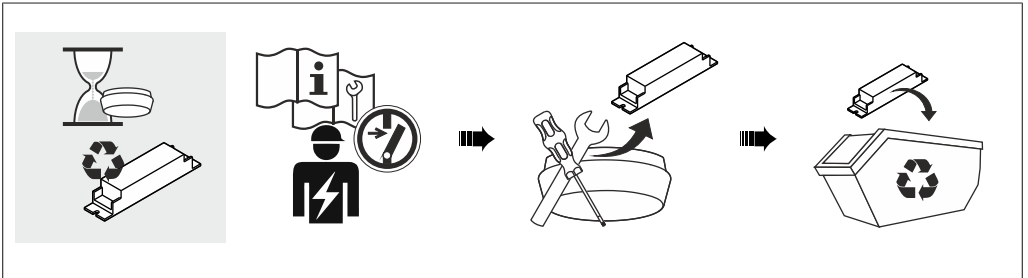
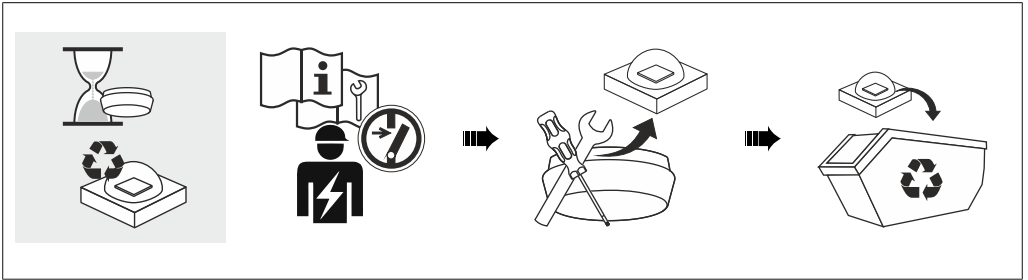
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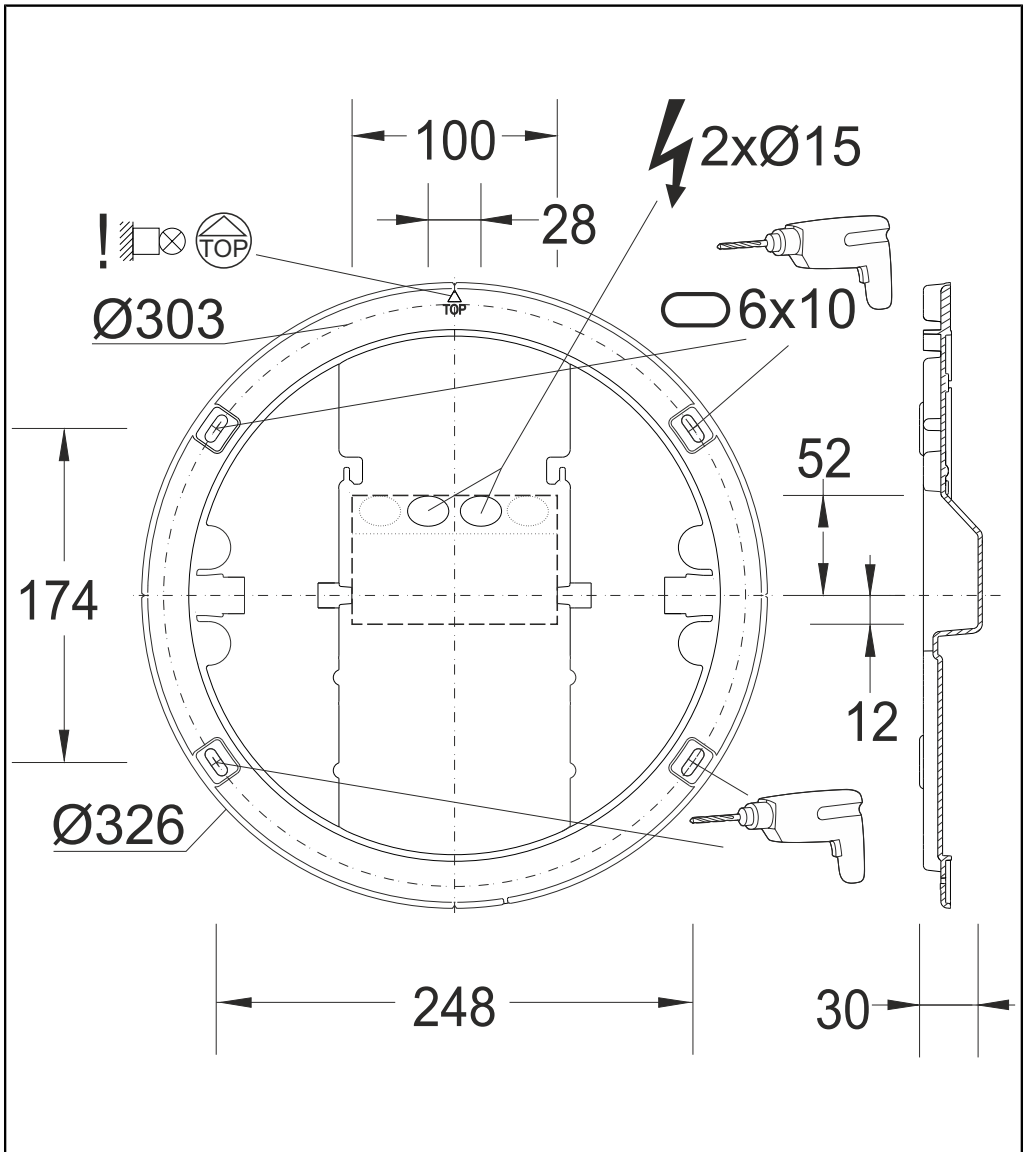












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