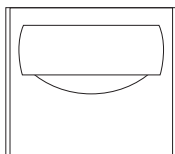
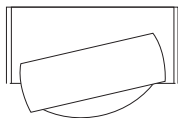


## Più piano / piano in pro Più R piano / piano in pro

Montageanleitung

Mounting instruction





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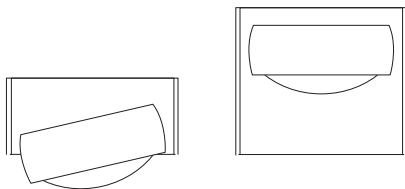
|                                |           |                                        |            |
|--------------------------------|-----------|----------------------------------------|------------|
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| <b>Bauseitige Vorbereitung</b> | <b>21</b> | <b>Preparing the installation area</b> | <b>79</b>  |
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## Più piano / piano in pro Più R piano / piano in pro

Montageanleitung



# Sicherheitshinweise

Lesen Sie die Montage-/Gebrauchsanweisung sorgfältig durch, bevor Sie die Leuchte installieren. Beachten Sie die Sicherheitshinweise in dieser Anleitung genau und bewahren Sie die Anleitung auf.



Dieses Zeichen macht Sie auf eine gefährliche Situation aufmerksam, die eine schwere Verletzung oder den Tod nach sich ziehen kann, wenn sie nicht beachtet wird. Es macht Sie zudem auf mögliche Sachschäden und andere wichtige Informationen in Verbindung mit diesem Produkt aufmerksam.



Die Montage von Elektrokomponenten darf nur von qualifiziertem Fachpersonal durchgeführt werden. Reparaturarbeiten dürfen nur von autorisiertem Fachpersonal oder dem Hersteller durchgeführt werden. Vor allen Arbeiten an der Leuchte (Installation, Reinigung etc.) diese unbedingt vom Stromnetz trennen.



Dieses Zeichen macht Sie auf Situationen aufmerksam, bei denen Sie direkt in das Licht der LED blicken könnten. Dies kann zu Nachbildern und bei längerer Dauer zu Schädigungen der Augen führen.



Sicherheitsabstand zu brennbaren Objekten einhalten: 20 cm!



Dieses Zeichen macht Sie auf heiße Oberflächen aufmerksam, deren Berührung Verbrennungen zur Folge haben können.

Achtung: Die Oberfläche der Leuchte kann nach längerer Betriebsdauer heiß sein! Vor allen Arbeiten an der Leuchte (Montage usw.), Leuchte immer ausschalten und mindestens 30 Minuten abkühlen lassen.

# Produktbeschreibung

LED Einbaustrahler für Hohldecken oder feste Decken mit Deckendose. Deckenbündiger Einbau (Più piano) oder zurückversetzter Einbau (Più piano in) möglich.

Wahlweise mit Linsenoptik (Più) oder flachem cone Glas mit innenliegender Linse (Più R).

Version mit externem Vorschaltgerät, Anschluss an Stromquelle (Treiber). Dimmbar bauseits über dimmbares Vorschaltgerät. Kopf durch Kugelkalottenprinzip rundum frei ausrichtbar (Più piano 30°, Più piano in 20°).

Auswahl von verschiedenen Varianten für unterschiedliche Einbaulösungen. Magnetisch fixierte cover sind charakteristisch für Deckeneinbauversionen, rahmenlose Modelle sowohl mit Einbauplatte als auch zur Montage auf rückseitig zugänglichen Panels für Hohldecken. Lichtwirkung durch optionale inserts jederzeit über

einen einfachen Mechanismus veränderbar, dichroitische Farbfilter zusätzlich einsetzbar, Occhio light module mit LED wechselbar.

Weitere Versionen: Più alto (Aufbaustrahler mit integriertem Gelenk, 52° schwenkbar), Più alto 3d (Aufbaustrahler mit 3d Gelenk). Aufbaustrahler ebenfalls als Schienenstrahler (track) erhältlich.



Montage  
head

# Aufbau Più piano / Più piano in head

Più

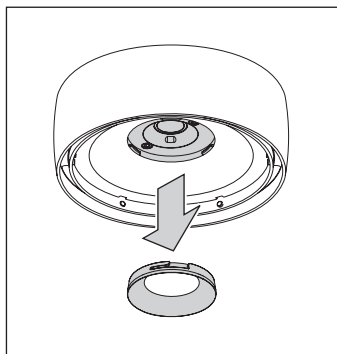
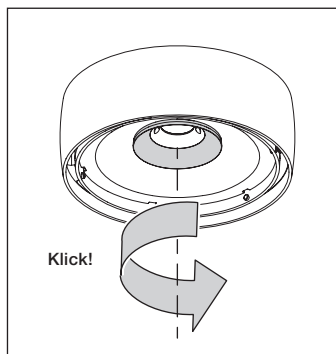
|                                                                                   | C 80                                                                               | S 100                                                                              | S 80                                                                               | S 60                                                                               | S 40                                                                               | S 30                                                                               |           |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------|
|  |   |   |   |   |   |                                                                                    |           |
| kleine Linse<br>flach                                                             |                                                                                    |                                                                                    |                                                                                    |   |                                                                                    |                                                                                    |           |
| kleine Linse<br>medium                                                            |                                                                                    |                                                                                    |                                                                                    |                                                                                    |   |   |           |
| satiniertes Glas                                                                  |                                                                                    |   |                                                                                    |                                                                                    |                                                                                    |                                                                                    |           |
| soft edge Glas                                                                    |                                                                                    |                                                                                    |   |   |   |                                                                                    |           |
| Fresnel Linse                                                                     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |   |           |
| Farbfilter<br>(optional)                                                          |   |   |   |   |   |   |           |
| Linse                                                                             |   |   |   |   |   |   |           |
|                                                                                   |  |  |  |  |  |  |           |
| diffus                                                                            | 100°,<br>contour                                                                   | 80°,<br>contour                                                                    | 100°, soft                                                                         | 80°, soft                                                                          | 60°, soft                                                                          | 40°, soft                                                                          | 30°, soft |



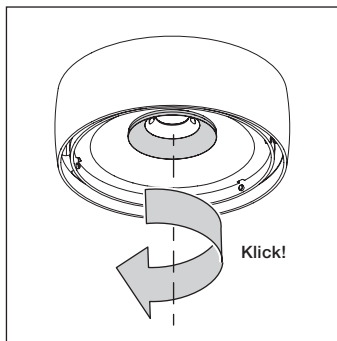
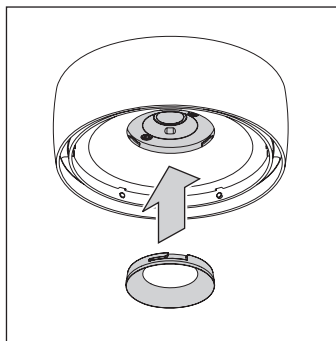
## Più R

|                          | B                                                                                  | C 100                                                                              | C 80                                                                               | S 100                                                                              | S 80                                                                               | S 60                                                                               | S 40                                                                               | S 30                                                                               |
|--------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                          |   |   |   |   |   |   |   |   |
| kleine Linse<br>flach    |   |   |                                                                                    |   |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| kleine Linse<br>medium   |                                                                                    |                                                                                    |   |                                                                                    |   |                                                                                    |   |                                                                                    |
| kleine Linse<br>hoch     |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |   |                                                                                    |   |
| satiniertes Glas         |   |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| soft edge Glas           |                                                                                    |                                                                                    |                                                                                    |   |   |   |                                                                                    |                                                                                    |
| Fresnel Linse            |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |   |   |
| Farbfilter<br>(optional) |   |   |   |   |   |   |   |   |
| cone Glas                |   |   |   |   |   |   |   |   |
|                          |  |  |  |  |  |  |  |  |
| diffus                   | 100°,<br>contour                                                                   | 80°,<br>contour                                                                    | 100°, soft                                                                         | 80°, soft                                                                          | 60°, soft                                                                          | 40°, soft                                                                          | 30°, soft                                                                          |                                                                                    |

cone Ring entfernen  
(vor Montage der kleinen Linse)

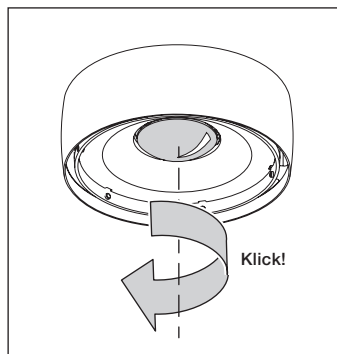
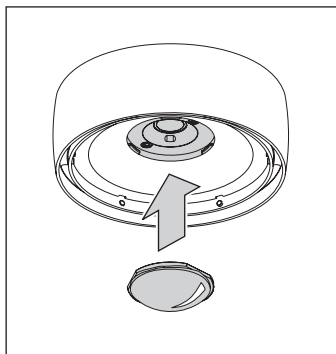


cone Ring einsetzen  
(nach Entnahme der kleinen Linse)

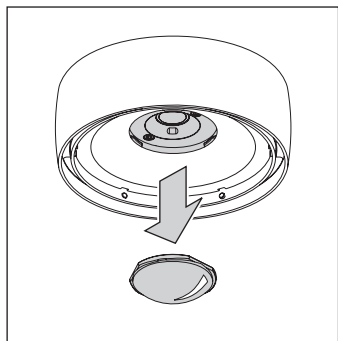
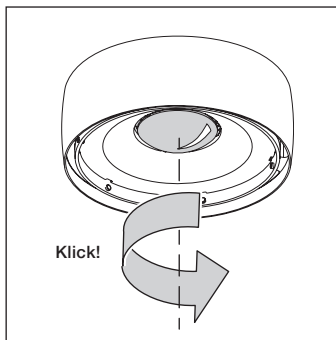




## Montage kleine Linse

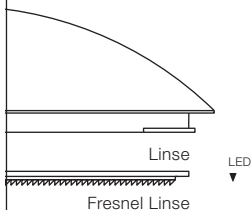


## kleine Linse entnehmen

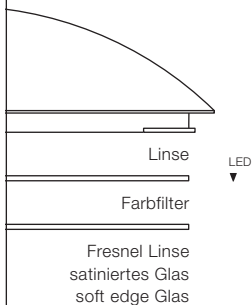


# Kombinationen der Inserts

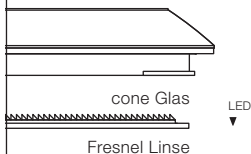
**Fresnel Linse**



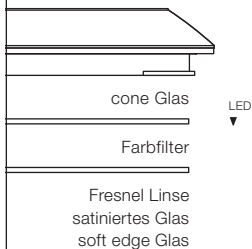
**Farbfilter in Kombination**



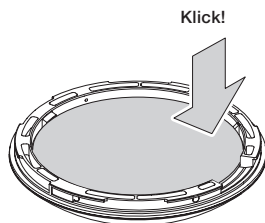
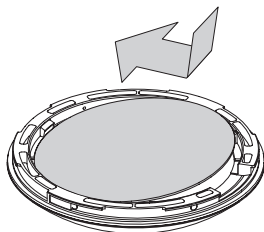
**Fresnel Linse**



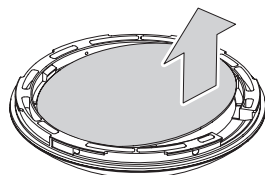
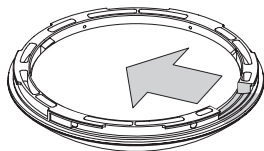
**Farbfilter in Kombination**



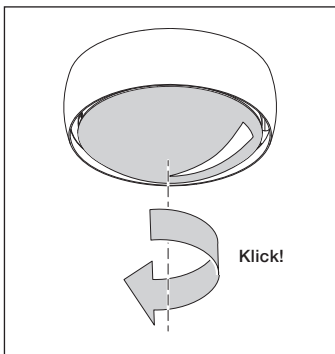
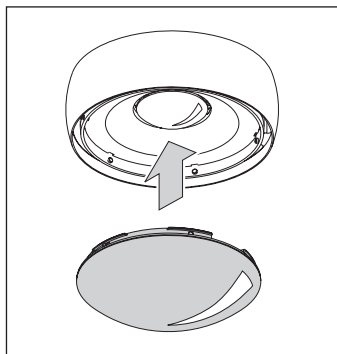
## Montage Inserts (alle Versionen)



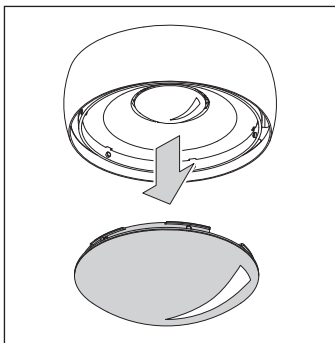
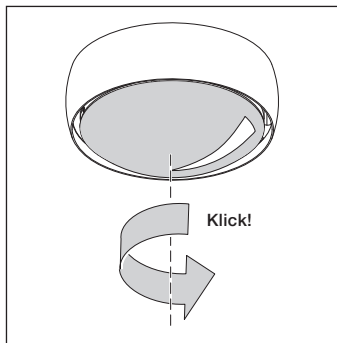
## Inserts entnehmen



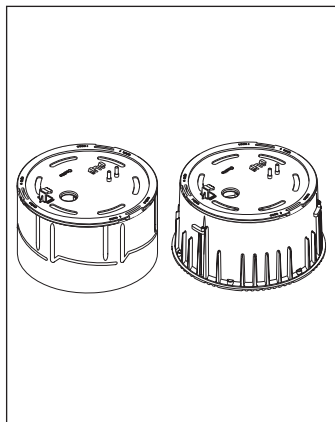
## Montage Linse / cone Glas (alle Versionen)



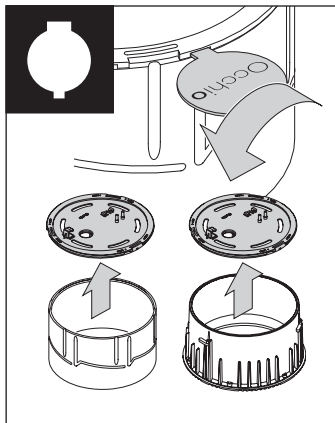
## Linse / cone Glas entnehmen



## head einsetzen (in alle tubearten)



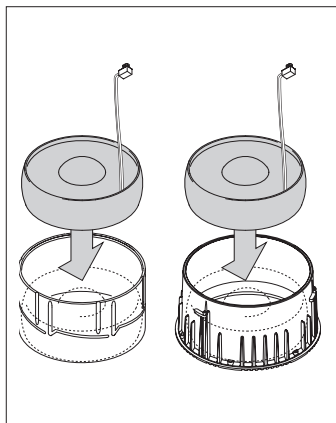
Tube mit dem Deckel nach oben auf eine weiche Unterlage stellen.



Falls der tube verschlossen ist, Occhio-Tool (beiliegend) mit breitem Ende in Aussparung zwischen Deckel und tube einführen.

Occhio-Tool drehen und Deckel vom tube lösen und abnehmen.

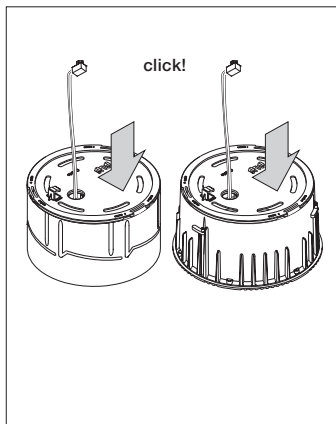
## head einsetzen



Komplett bestückten head in den tube einlegen.

### **Achtung!**

**Head mit Linse vorsichtig einlegen, da die Linse bei Più piano unten herausragt! Auf weiche Unterlage achten!**



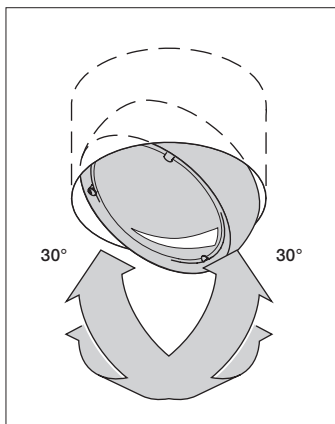
Kabel des heads durch die Öffnung des Deckels führen.

Deckel in den tube einrasten. Dazu ggf. tube anheben.

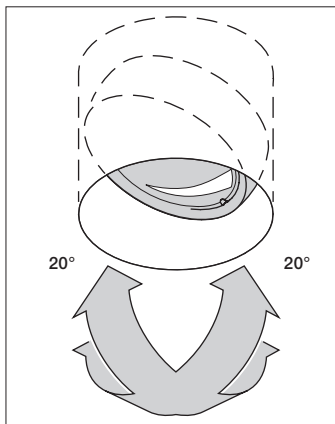
Darauf achten, dass der Deckel komplett geschlossen ist.

Der tube ist nun für den Einbau vorbereitet.

## head einstellen (alle tubearten)



Der head Più piano ist in jeder Richtung bis zu einem Winkel von 30° frei ausrichtbar.



Der head Più piano in ist in jeder Richtung bis zu einem Winkel von 20° frei ausrichtbar.

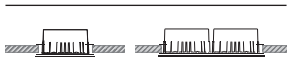


**Achtung!**  
Die Oberfläche des Strahlers kann im Dauerbetrieb heiß werden.





# Bauseitige Vorbereitung



## Montage

22

- Einbautube mit cover
- Einbautubes mit doppio cover



## Montage

31

- Einputzring für rahmenlosen Einbau



## Montage

38

- Einbauplatte für rahmenlosen Einbau
- doppio Einbauplatte für rahmenlosen Einbau



## Montage

42

- Haltering für Panel für rahmenlosen Einbau

# Montageschema

Verstärkungsring / e

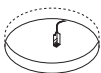
Deckenausschnitte:  
Einbautube / s mit cover:  
Ausschnitt: Ø 144 mm  
Deckenstärke: 10–50 mm

Einbautube piano / piano in inkl. head

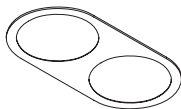
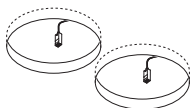
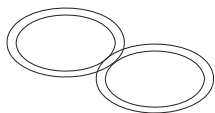
cover / doppio cover



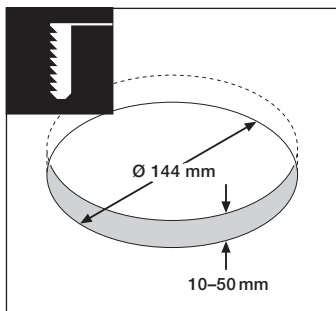
**Einbautube  
mit cover**



**Einbautubes  
mit doppio cover**



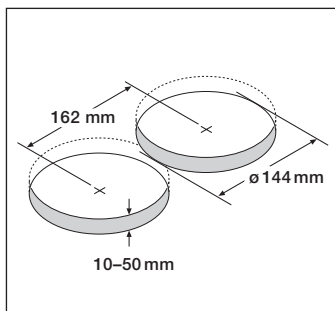
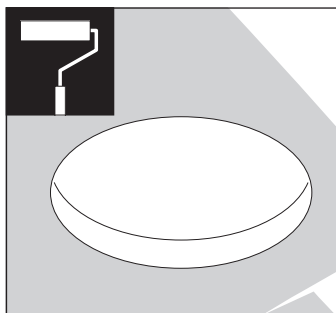
# Bauseitige Vorbereitung



## Einzelversion

Runde Öffnung mit 144 mm Durchmesser herstellen.

Deckenstärke: 10 mm bis max. 50 mm.



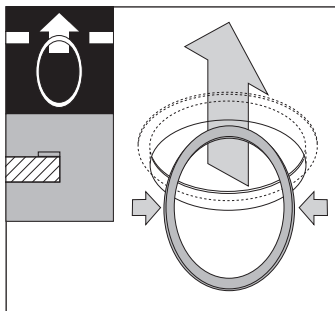
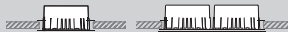
## Version mit doppio cover

Zwei runde Öffnung mit 144 mm Durchmesser herstellen.

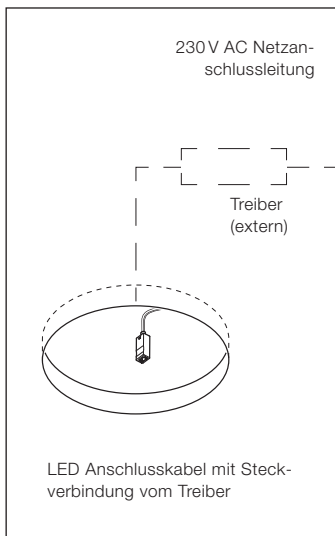
Abstand der Kreismittelpunkte:  
162 mm

Deckenstärke: 10 mm bis max. 50 mm.

Malerarbeiten durchführen.



Transparenten Verstärkungsring etwas zusammenbiegen, durch die Öffnung führen und auf den Rand der Öffnung legen.



Treiber anschließen (siehe Montageanleitung des Treibers): Treiber nach Schema an die Netzleitung anschließen. LED-Anschlusskabel an die Öffnung führen. Kabelenden an den Treiber anschließen. Kennzeichnung für Pluspol beachten! Technische Hinweise des jeweiligen Herstellers beachten!

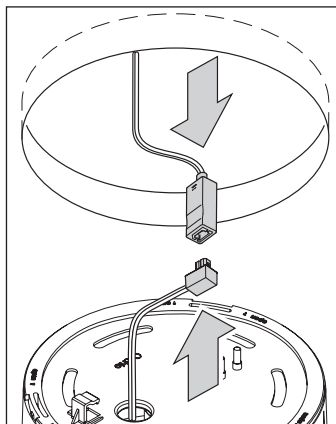
## Polung beachten!

Schwarzes Kabel = Pluspol  
Weißes Kabel = Minuspol

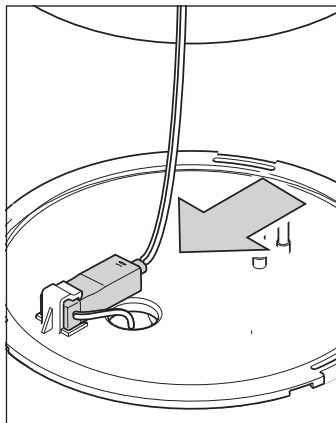


**Vor der Montage alle stromführenden Leitungen vom Stromnetz trennen!**

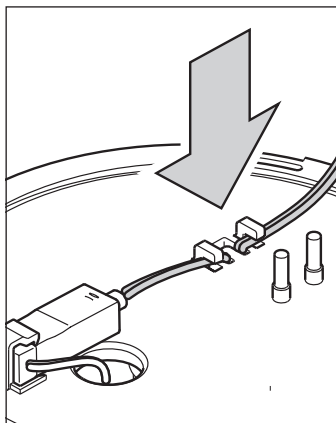
# Montage



Steckverbinder des LED-Anschlusskabels mit dem der Leuchte verbinden.

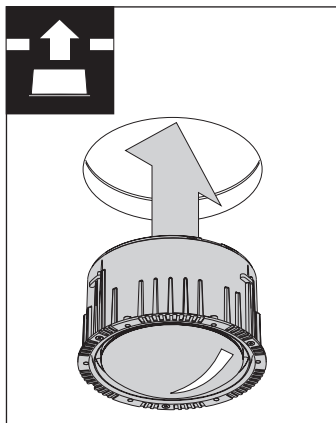


Steckverbinder unter der Lasche auf dem Deckel festklemmen.

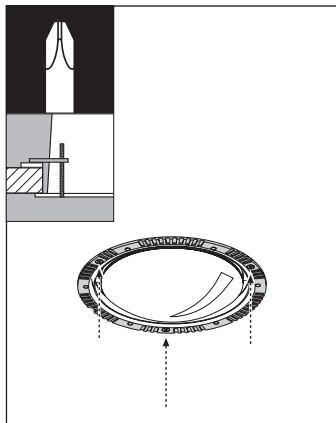


Kabel in der Zugentlastung des Deckels festklemmen.

# Montage



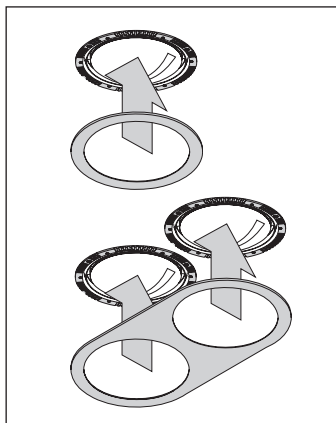
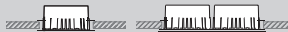
Einbautube in die Öffnung einsetzen.



3 Schrauben der Krallen anziehen.

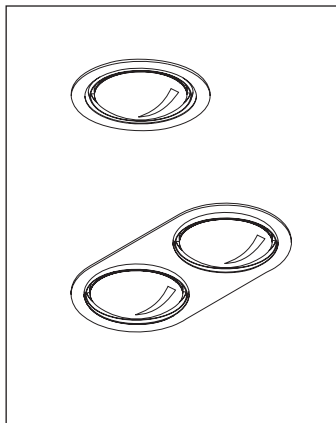
Festen Halt des Einbautubes überprüfen.





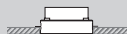
cover mittig auf den Einbautube setzen.

Das cover wird durch Magnete gehalten.



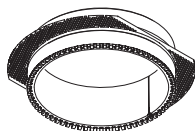
Die Leuchte ist nun fertig montiert.



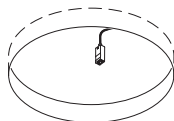


## Einputzring für rahmenlosen Einbau

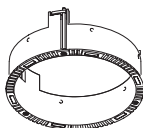
Einputzring



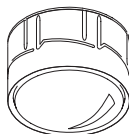
ø Ausschnitt:  
166 mm  
Deckenstärke:  
10–35 mm



Einbauring



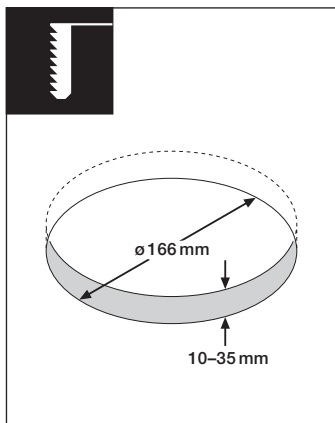
tube piano  
inkl. head  
Einbautiefe:  
99 mm



tube piano in  
inkl. head  
Einbautiefe:  
135 mm

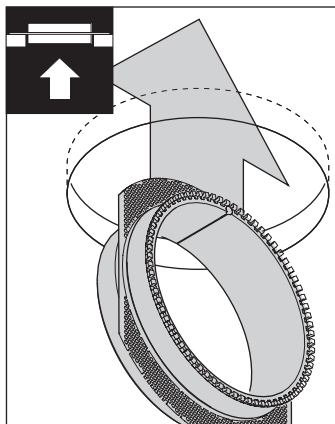


# Bauseitige Vorbereitung



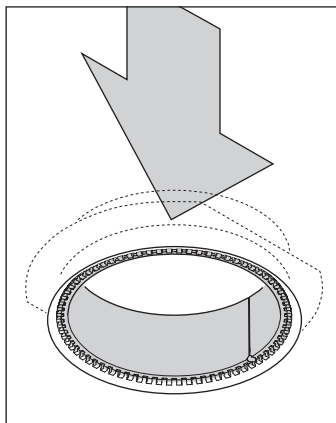
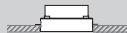
Runde Öffnung mit 166 mm Durchmesser herstellen.

Deckenstärke: 10 mm bis max. 35 mm.

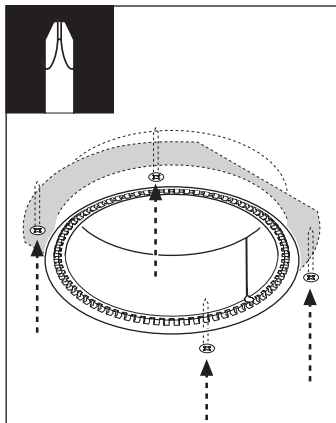


Einputzring durch die Öffnung führen.

Ist der Hohlraum zu niedrig, Lochblech vom Einputzring abschrauben. Dann Lochblech ohne Einputzring durch die Öffnung führen. Einputzring nach dem Befestigen des Lochblechs wieder einschrauben.

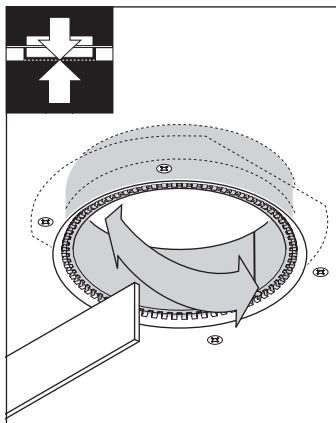


Einputzring mit geriffeltem Rand nach unten in die Öffnung einsetzen.

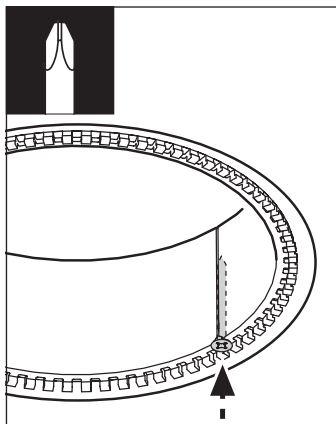


Lochblech des Einputzrings mit 4 Trockenbauschrauben (mitgeliefert) durch die Deckenplatte anschrauben.

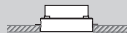
# Bauseitige Vorbereitung



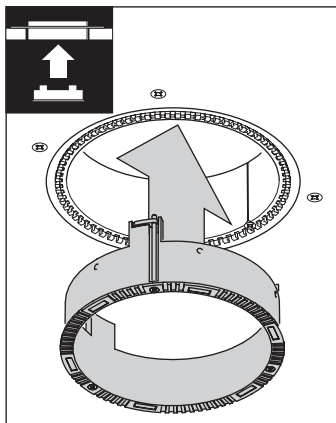
Einputzring durch Heraus-, bzw. Hineindreihen an das Niveau des Verputzes anpassen.



Zur Arretierung der eingestellten Höhe mitgelieferte Schraube bündig in den Einputzring einschrauben.

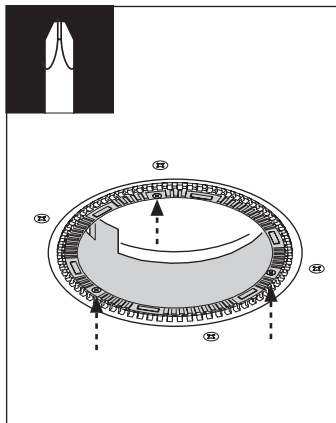


Einbauring in Einputzring einsetzen.

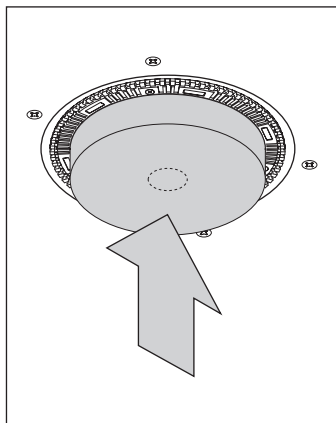


3 Schrauben anziehen.

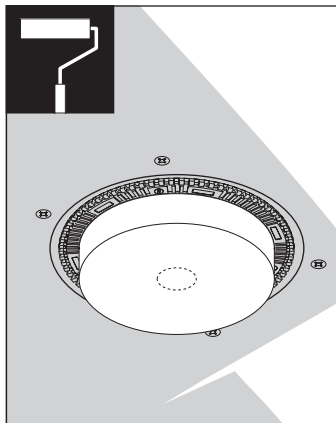
Festen Halt des Einbaurings überprüfen.



# Bauseitige Vorbereitung



Schutzhaube in die Öffnung einsetzen.

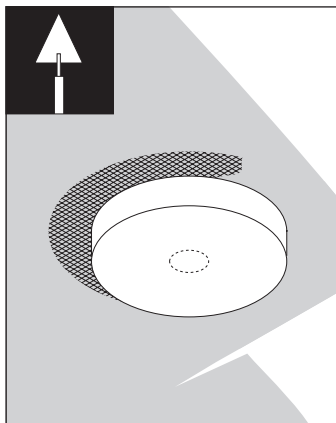
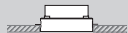


Decke und gerippte Flächen der Einbauringe mit Haftgrund grundieren.

Dabei darauf achten, dass keine Grundierung auf die Innenseite des Einbaurings gelangt.

Grundierung nach Gebrauchsanweisung aushärten lassen.





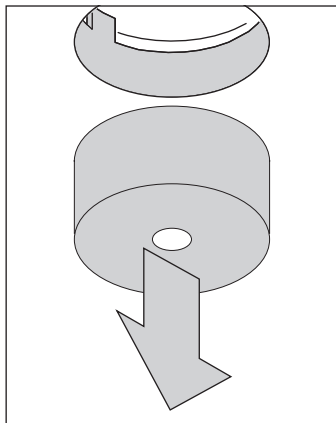
Dünne Schicht Feinputz auftragen. Netzring zum Schutz vor späteren Spannungsrissen auflegen und einputzen.

Putz nach Gebrauchsanweisung aushärten lassen.

Ausgehärtete Fläche abschleifen und ggf. erneut verputzen.

Putz nach Gebrauchsanweisung aushärten lassen.

Malerarbeiten ausführen.



Schutzhaube vorsichtig entnehmen. Dazu ggf. in der Mitte durchstechen.

Putzreste auf der Innenfläche des Einbauring ggf. mit feinem Schleifpapier entfernen.

**Weitere Montage → 47**

# Montageschema

Deckenausschnitte

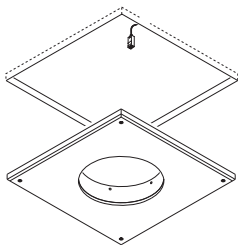
Einbauplatte/n für rahmenlosen Einbau

tube piano/tube piano in  
inkl. head/s  
Einbautiefe: 99 mm/135 mm



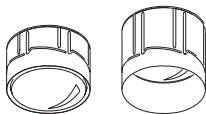
### Einbauplatte für rahmenlosen Einbau

Ausschnitt:  
> 250 x 250 mm



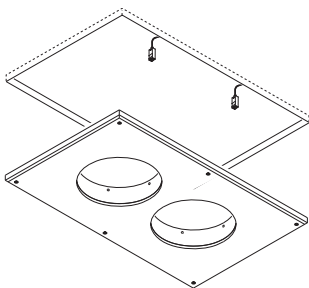
### Einbauplatte für rahmenlosen Einbau

(Faserzementplatte mit Haltering)  
250 x 250 mm  
Dicke: 12,5 mm



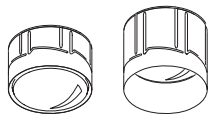
### doppio Einbauplatte für rahmen- losen Einbau

Ausschnitt:  
> 250 x 412,5 mm

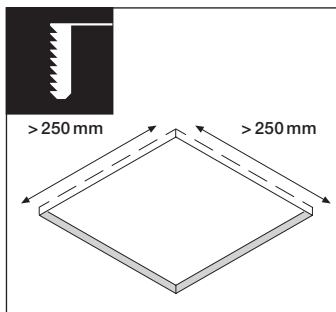


### doppio Einbauplatte für rahmen- losen Einbau

(Faserzementplatte mit Haltering)  
250 x 412,5 mm  
Dicke: 12,5 mm

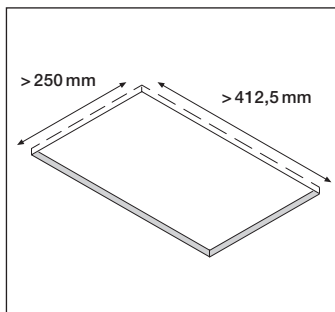


# Bauseitige Vorbereitung



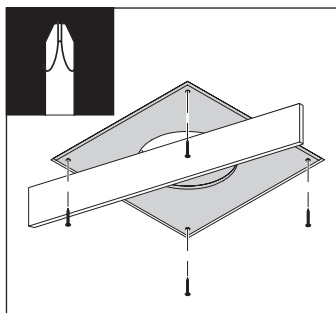
## Einzelversion

Deckenausschnitt im Format  
> 250 × 250 mm herstellen.



## doppio Einbauplatte

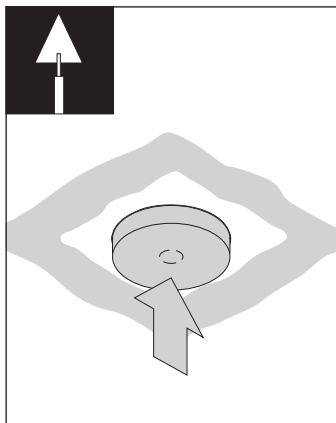
Deckenausschnitt im Format  
> 250 × 412,5 mm herstellen.



Trockenbauplatte fachgerecht  
bündig in der Öffnung montieren.  
Dazu vorgesehene Bohrlöcher ver-  
wenden. Wird die Platte an anderen  
Stellen fixiert, vor dem Anschrauben  
vorbohren, um die Trockenbauplatte  
nicht zu beschädigen.



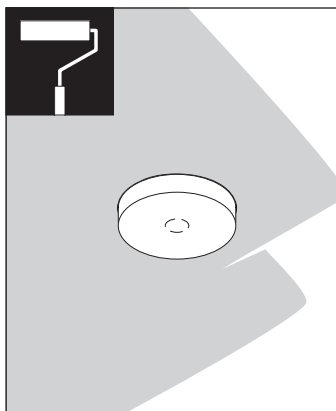
**Der Hersteller weist ausdrücklich  
darauf hin, dass eine nicht fach-  
gerecht installierte Trockenbau-  
platte herabfallen kann und eine  
erhebliche Gefahr darstellt!**



Schutzhaube in die Öffnung einsetzen.

Fugen verputzen.

Darauf achten, dass die Innenseite des Montagerings nicht verschmutzt wird.



Malerarbeiten ausführen.

Darauf achten, dass die Innenseite des Montagerings nicht verschmutzt wird.

Schutzhaube entfernen.

Putz- / Farbreste auf der Innenseite des Einbauringes ggf. mit feinem Schleifpapier entfernen.

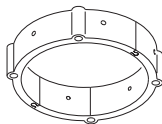
**Weitere Montage → 47**

# Montageschema

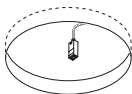


## Haltering für Panel für rahmenlosen Einbau

Haltering



ø Ausschnitt:  
132,5 mm  
Deckenstärke:  
10–22 mm

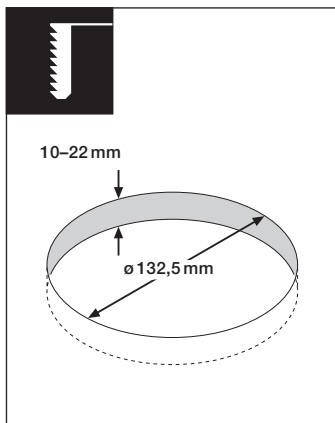


tube piano  
inkl. head  
Einbautiefe:  
99 mm



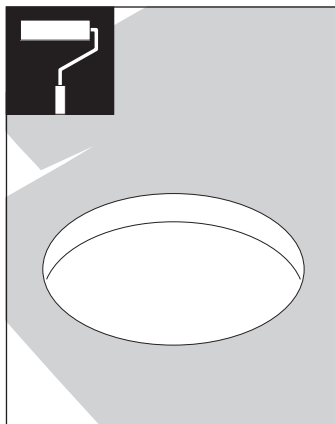
tube piano in  
inkl. head  
Einbautiefe:  
135 mm

## Bauseitige Vorbereitung



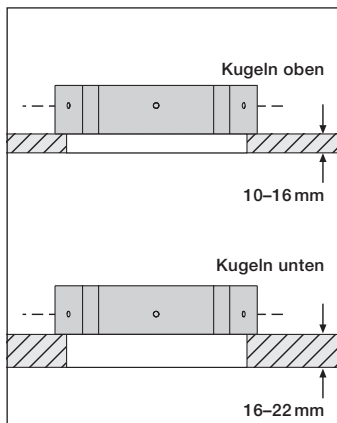
Runde Öffnung mit 132,5 mm Durchmesser herstellen.

Deckenstärke: 10 mm bis max. 22 mm.



Wenn nötig Malerarbeiten durchführen.

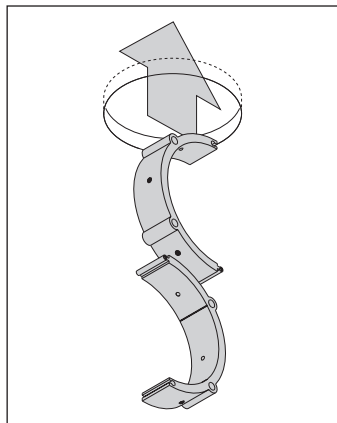




Haltering je nach Dicke des Panels so auflegen:

Materialstärke Panel 10–16 mm:  
Die Kugeln auf der Innenseite des Halterings liegen oben.

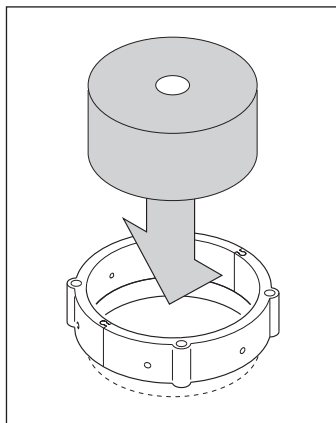
Materialstärke Panel 16–22 mm:  
Die Kugeln auf der Innenseite des Halterings liegen unten.



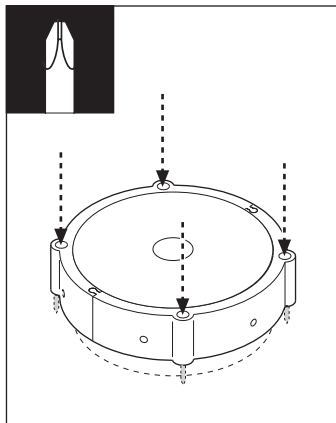
Ist ein Absenken des Panels nicht möglich, kann die Montage auch von unten durch die Öffnung erfolgen (Genug Freiraum nach oben vorausgesetzt).

In diesem Fall werden die Hälften des Halterings erst durch die Öffnung geführt und dann erst ineinander geschoben.

## Bauseitige Vorbereitung



Zentrierhülse in die Öffnung einsetzen.



Verschraubung von oben  
(z. B. bei Panelmontage):

Haltering 4 x mit Schrauben in  
geeigneter Länge anschrauben.

Zentrierhülse entnehmen.

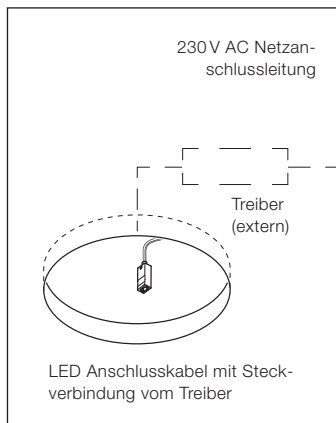
Weitere Montage → 47

# Installation

## (für alle außer Einbautubes)

|                    |    |
|--------------------|----|
| Installation       | 48 |
| tube einstellen    | 52 |
| Strahler entnehmen | 54 |

# Installation



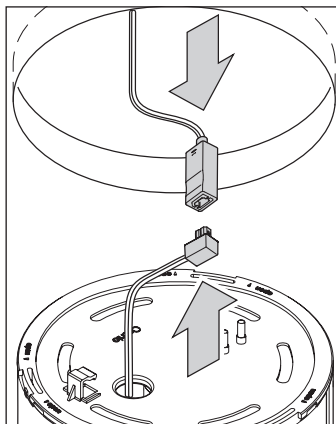
Treiber anschließen (siehe Montageanleitung des Treibers):  
Treiber nach Schema an die Netzleitung anschließen. LED-Anschlusskabel an die Öffnung führen. Kabelenden an den Treiber anschließen. Kennzeichnung für Pluspol beachten! Technische Hinweise des jeweiligen Herstellers beachten!

## Polung beachten!

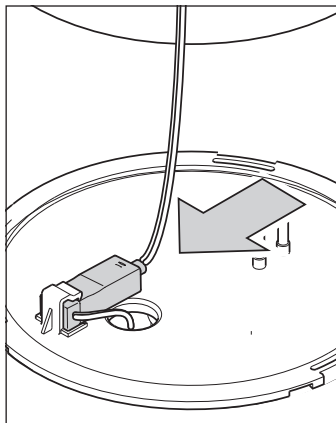
Schwarzes Kabel = Pluspol  
Weißes Kabel = Minuspol



**Vor der Montage alle stromführenden Leitungen vom Stromnetz trennen!**

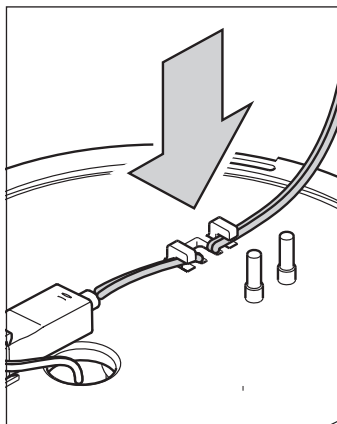


Steckverbinder des LED-Anschlusskabels mit dem der Leuchte verbinden.

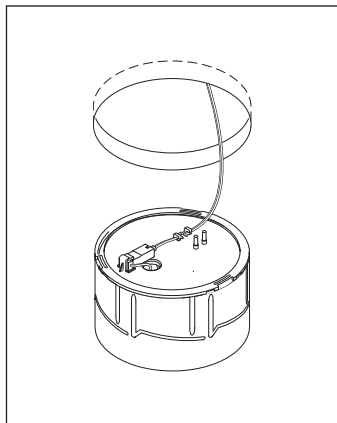


Steckverbinder unter der Lasche auf dem Deckel festklemmen.

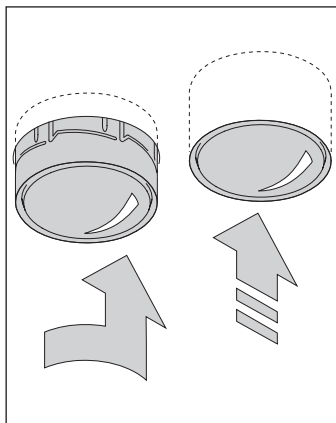
# Installation



Kabel in der Zugentlastung des Deckels festklemmen.



Der Strahler ist nun zum Einsetzen vorbereitet.



Das Einsetzen beider montierter Strahler (piano / piano in) erfolgt in allen Einbauvarianten auf die gleiche Weise.

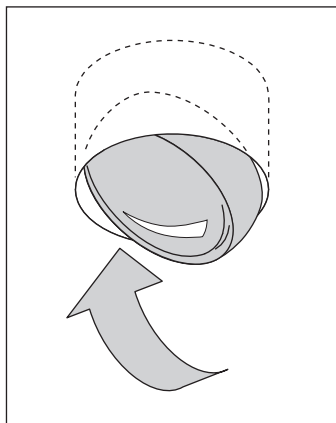
Innenseite des jeweiligen Einbau-rings auf Fremdkörper und Putz-reste überprüfen, ggf. mit feinem Schleifpapier entfernen.

1. Strahler so drehen, dass er sich in den vertikalen Nuten leicht einschieben lässt.

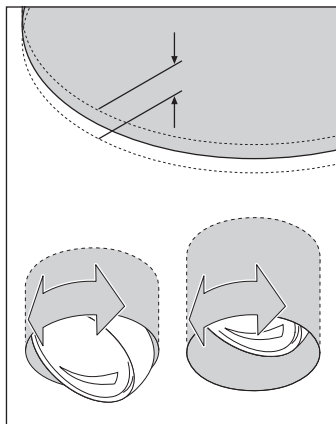
2. Strahler über den Widerstand bündig eindrücken. Er rastet in Endposition ein.

**Die Leuchte ist nun fertig montiert. Sicherer Halt überprüfen!**

## tube einstellen



Più piano head zur Seite kippen um die Innenfläche des tubes zu erreichen.



Durch Drehen des tubes kann der Strahler an das Niveau der Decke angepasst werden.

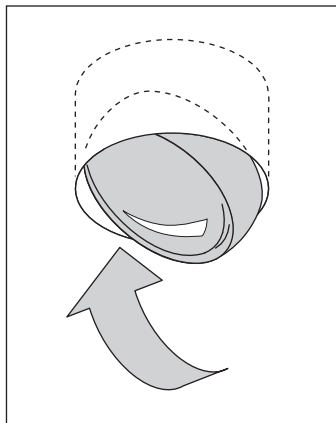


**Achtung!**  
Die Oberfläche des Strahlers  
kann im Dauerbetrieb heiß  
werden.





## Strahler entnehmen (alle außer Einbautube)



Più piano head zur Seite kippen  
um die Innenfläche des tubes zu  
erreichen.



**Vor der Montage alle stromfüh-  
renden Leitungen vom Stromnetz  
trennen!**



**Die Oberfläche des Strahlers  
kann im Dauerbetrieb heiß  
werden.**



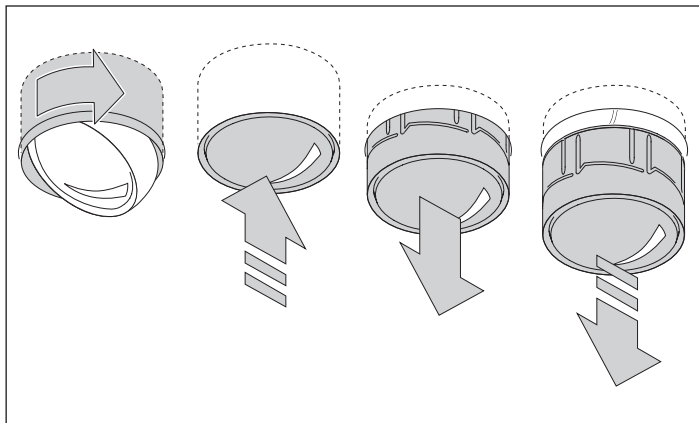
Das Entnehmen der Strahler (piano / piano in) erfolgt bei allen Varianten (außer bei den Einbautubes) auf die gleiche Weise.

1. Strahler innen am tube im Uhrzeigersinn bis zum Anschlag herausdrehen.

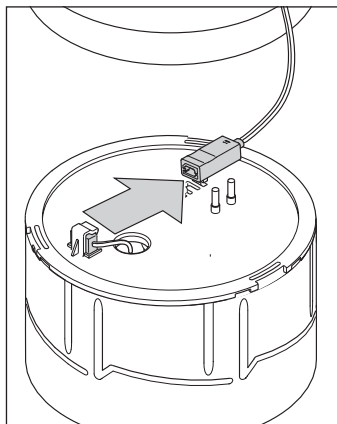
2. Strahler bündig senkrecht nach oben drücken.

3. Strahler lässt sich nun bis zum Anschlag herausfahren.

4. Strahler über den Widerstand ganz herausziehen. Steckverbindung des Kabels trennen.

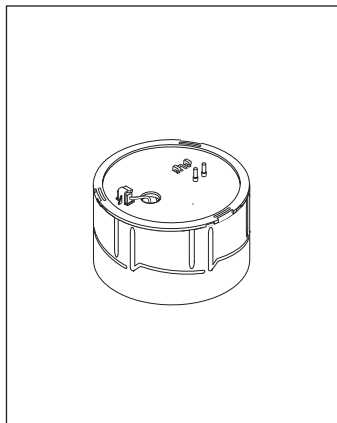


## Strahler entnehmen (alle außer Einbautube)



Buchse und Stecker des Anschlusskabels trennen.

Kabel aus der Zugentlastung fädeln.



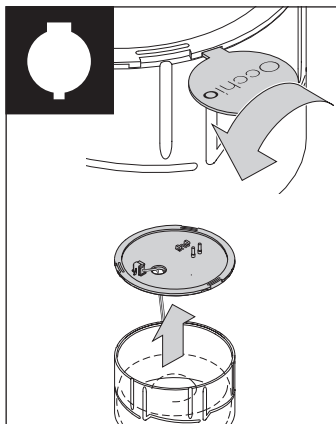
Tube auf eine weiche Unterlage stellen.



**Vor der Montage alle stromführenden Leitungen vom Stromnetz trennen!**

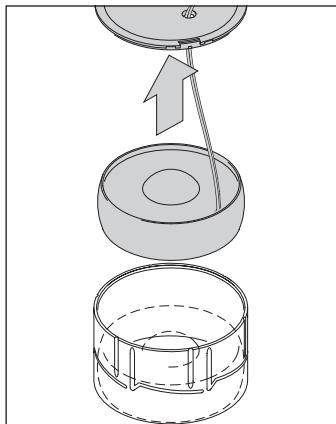


**Die Oberfläche des Strahlers kann im Dauerbetrieb heiß werden.**



Deckel des Tubes mit dem breiten Ende des Occhio-Tools oder einem breiten Schraubendreher öffnen.

Dazu das Werkzeug in eine der seitlichen Nuten einführen und durch Drehen den Deckel vom Tube lösen.



Strahlerkopf aus dem Tube entnehmen und mit dem Leuchtmittel nach oben auf eine weiche Unterlage legen.

## Pflegehinweise

Leuchte nur in abgekühltem Zustand reinigen! Zur Reinigung der Leuchte ein trockenes Mikrofasertuch verwenden. Detaillierte Pflegehinweise sind unter [www.occhio.de/de/company/faq](http://www.occhio.de/de/company/faq) zu finden.

## Info & Kontakt

Weitere Fragen beantwortet gerne  
Ihr Occhio Fachhändler

**[www.occhio.de](http://www.occhio.de)**  
**[info@occhio.de](mailto:info@occhio.de)**

# Technische Daten

## Technische Daten Leuchte

|                              |                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Artikelbezeichnung           | Occhio Più piano pro / piano in pro                                                                                                                                                                                                                                                                                                           |
| Abmessungen Più piano pro    | ø head 125 mm, H 38 mm<br>ø tube 132 mm, Einbautiefe 99 mm                                                                                                                                                                                                                                                                                    |
| Abmessungen Più piano in pro | ø head 125 mm, H 38 mm<br>ø tube 132 mm, Einbautiefe 135 mm                                                                                                                                                                                                                                                                                   |
| Schutzklasse                 | 3                                                                                                                                                                                                                                                                                                                                             |
| Anschluss                    | max. 700 mA / > 36 V DC                                                                                                                                                                                                                                                                                                                       |
| Vorschaltgerät               | extern                                                                                                                                                                                                                                                                                                                                        |
| Dimmung                      | mit geeignetem Vorschaltgerät                                                                                                                                                                                                                                                                                                                 |
| Material                     | Leuchte: Aluminium, Stahl verchromt, lackiert oder eloxiert, Kunststoff<br>inserts: Glas, optischer Kunststoff                                                                                                                                                                                                                                |
| Leuchtmittel                 | Occhio light module                                                                                                                                                                                                                                                                                                                           |
| LED-Leistung                 | max. 26W                                                                                                                                                                                                                                                                                                                                      |
| Zulässige Betriebsbedingung  | max. 30°C nur im Innenbereich betreiben                                                                                                                                                                                                                                                                                                       |
| Prüfzeichen                  | IP 20     |

## Technische Daten Leuchtmittel

|              |                        |
|--------------|------------------------|
| Leuchtmittel | Occhio light module    |
| Ausführung   | LED-Modul (wechselbar) |
| Lebensdauer  | > 50.000 Std.          |

## Entsorgung

Bei örtlicher Entsorgungsstelle entsorgen. Più piano / piano in pro ist recyclebar; RoHS-konform. **Nicht in den Hausmüll geben!**



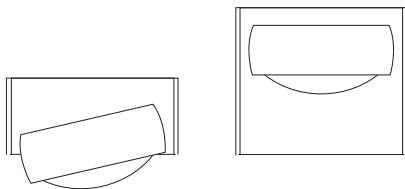




Più piano / piano in pro

Più R piano / piano in pro

Mounting instruction



# Safety precautions

Read through the mounting/ use instructions carefully before installing the luminaire. Follow the safety precautions in these instructions closely and keep the instructions in a safe place.



This symbol warns you of a dangerous situation which could lead to serious injury or even death if the instructions are not observed. It also draws your attention to possible material damage and provides other important information in connection with this product.



The assembly and installation of electrical components must be carried out only by qualified personnel. Repairs must be carried out only by authorised, qualified personnel or the manufacturer. Before performing any work on the luminaire (installation, cleaning, etc.), it must be disconnected from the mains supply.



This symbol draws your attention to situations in which you could look directly into the light of the LED. This may cause an after-image effect and may result in damage to the eyes if you look at the light directly for prolonged periods.



Maintain the minimum safety distance from flammable materials: 20 cm.



This symbol warns you of hot surfaces, which could cause burns if touched.

Caution: When used for prolonged periods, the surface of the luminaire can become hot. Before performing any work on the luminaire (fitting the luminaire etc.), always switch the luminaire off and let it cool for at least 30 minutes.

## Product description

LED recessed spotlight for hollow ceilings or solid ceilings with ceiling box. Mounting flush with ceiling (Più piano) and recessed installation (Più piano in) are both possible. Optionally available with lens optics (version C) or flat cone glass with internal lens (version R).

Version with remote power supply unit; connection to external power source (driver). Dimmable via customer-supplied dimmable power supply unit.

Head can be oriented in any direction thanks to the ball joint principle (Più piano: 30°; Più piano in: 20°). Choice of several variants for different installation solutions. Covers that are held in place magnetically are used in ceiling-mounted versions and in frameless models which either have a mounting plate or are mounted on panels that are accessible from the rear (used in hollow ceilings).

Using a simple mechanism, the lighting effect can be changed at any time through the use of optional inserts; dichroitic colour filter can be additionally inserted; replaceable LED.

Other versions: Più alto (surface-mounted spotlight with integrated joint; pivotable by 52°), Più alto 3d (surface-mounted spotlight with 3d joint; pivotable by 90°). Surface-mounted spotlight also available as a track-mounted spotlight.



# Assembling the head

# Configuration Più alto 3d head

Più

|                         | C 80                                                                               | S 100                                                                              | S 80                                                                               | S 60                                                                               | S 40                                                                               | S 30                                                                               |
|-------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                         |   |   |   |   |   |   |
| small lens low          |                                                                                    |                                                                                    |                                                                                    |   |                                                                                    |                                                                                    |
| small lens medium       |                                                                                    |                                                                                    |                                                                                    |                                                                                    |   |   |
| satinsed glass          |                                                                                    |   |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| soft edge glass         |                                                                                    |                                                                                    |   |   |   |                                                                                    |
| fresnel lens            |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |   |
| color filter (optional) |   |   |   |   |   |   |
| lens                    |   |   |   |   |   |   |
| diffus                  |  |  |  |  |  |  |
| 100°,<br>contour        |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| 80°,<br>contour         |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| 100°, soft              |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| 80°, soft               |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| 60°, soft               |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| 40°, soft               |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |
| 30°, soft               |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |                                                                                    |

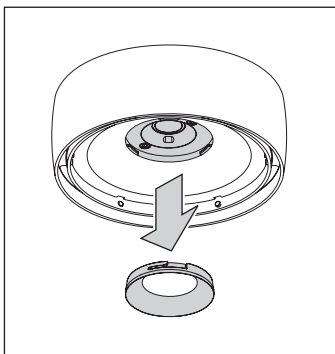
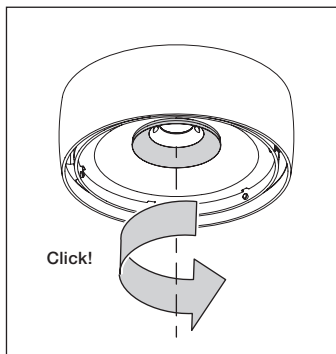




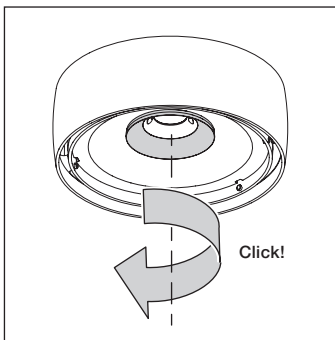
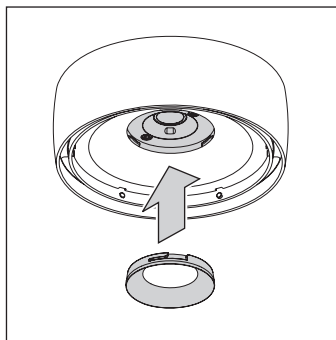
## Più R

|                         | B      | C 100         | C 80         | S 100      | S 80      | S 60      | S 40      | S 30      |
|-------------------------|--------|---------------|--------------|------------|-----------|-----------|-----------|-----------|
|                         |        |               |              |            |           |           |           |           |
| small lens low          |        |               |              |            |           |           |           |           |
| small lens medium       |        |               |              |            |           |           |           |           |
| small lens high         |        |               |              |            |           |           |           |           |
| satinsed glass          |        |               |              |            |           |           |           |           |
| soft edge glass         |        |               |              |            |           |           |           |           |
| fresnel lens            |        |               |              |            |           |           |           |           |
| color filter (optional) |        |               |              |            |           |           |           |           |
| cone glass              |        |               |              |            |           |           |           |           |
|                         |        |               |              |            |           |           |           |           |
|                         | diffus | 100°, contour | 80°, contour | 100°, soft | 80°, soft | 60°, soft | 40°, soft | 30°, soft |

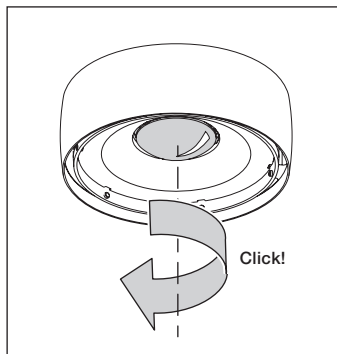
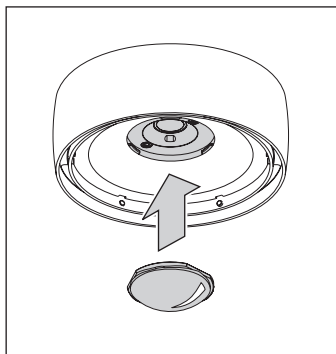
## Removing the cone ring (before fitting the small lens)



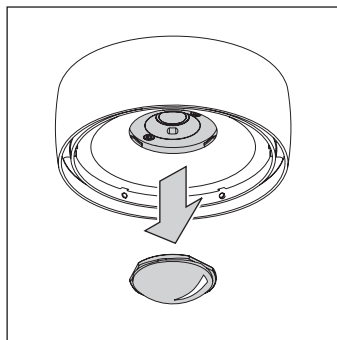
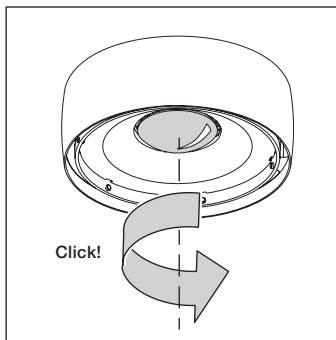
## Inserting the cone ring (after removing the small lens)



## Assembling the small lens

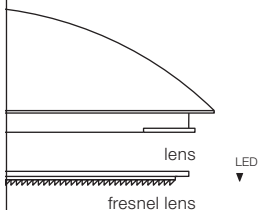


## Removing the small lens

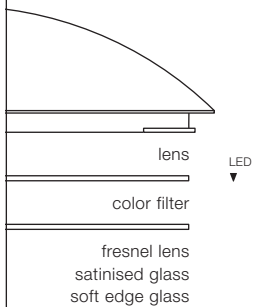


# Insert combinations

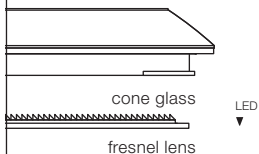
## Fresnel lens



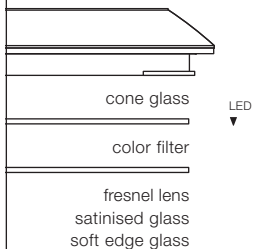
## Color filter in combination



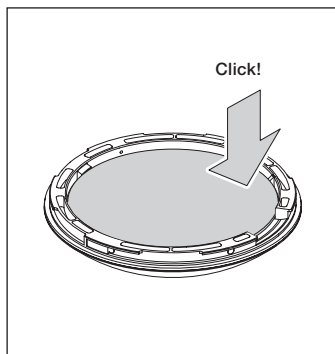
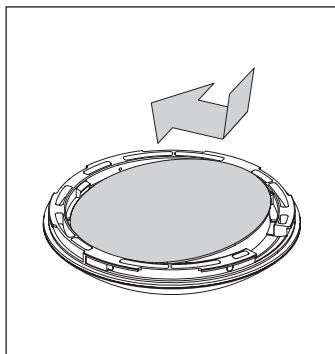
## Fresnel lens



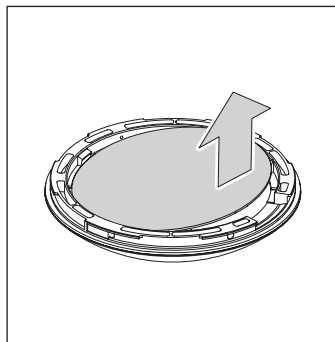
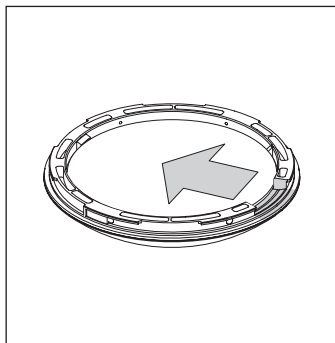
## Color filter in combination



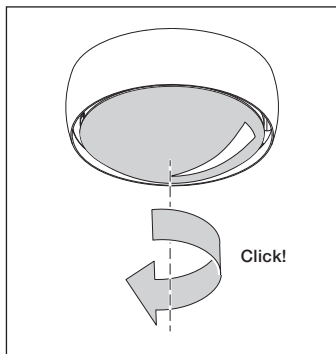
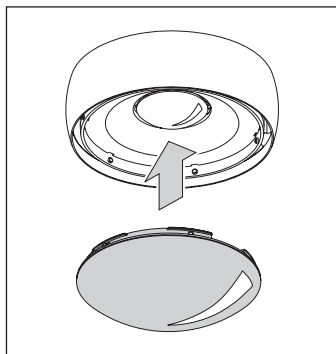
## Fitting the inserts (all versions)



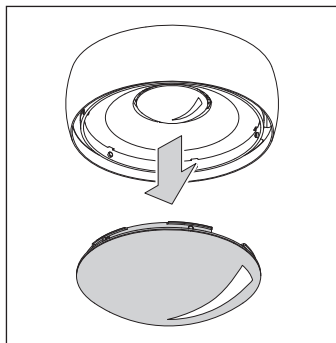
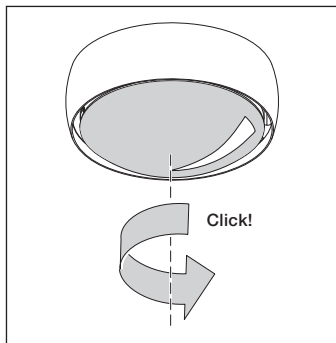
## Removing the inserts



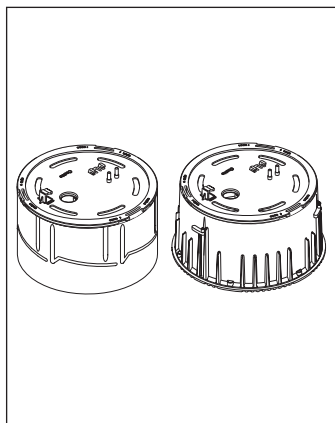
## Fitting the lens / cone glass (all versions)



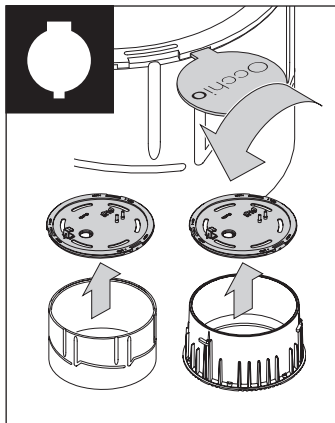
## Removing the lens / cone glass



## Inserting the head (for all types of tube)



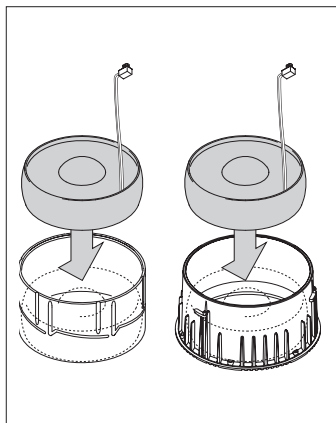
Place the tube on a soft surface, with the lid facing upwards.



If the tube is sealed, insert the wide end of the Occhio tool (supplied) into the cut-out between the lid and tube.

Turn the Occhio tool, release the lid from the tube and take it off.

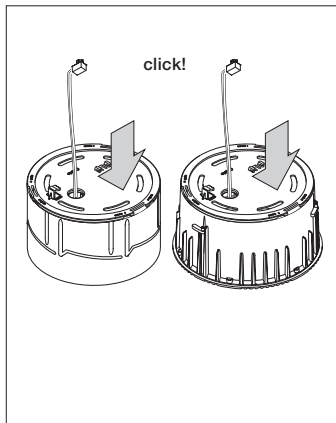
## Fitting the head



Insert the fully assembled head into the tube.

### Caution!

Insert the head and lens carefully, because on the Più piano the lens protrudes at the bottom. Ensure the head is placed on a soft surface.



Feed the head cable through the opening on the lid.

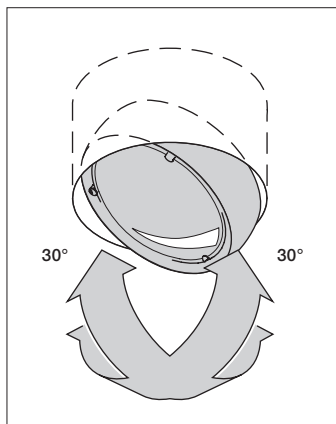
Click the lid into place in the tube.

To do this, raise the tube slightly. Ensure that the lid is fully closed.

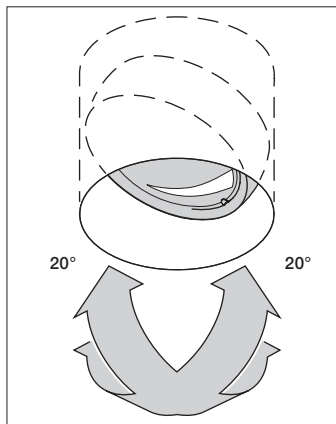
The tube is now ready for fitting.



## Adjusting the head (for all types of tube)



The Più piano head can be aligned in any direction up to an angle of 30°.



The Più piano in head can be aligned in any direction up to an angle of 20°.

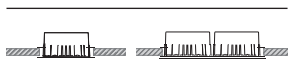


**Caution!**

When used in continuous operation, the surface of the spotlight can become hot.



# Preparing the installation area



## Fitting

80

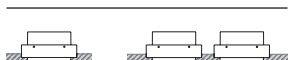
- Mounting tube with cover
- Mounting tubes with doppio cover



## Fitting

89

- Plaster ring for frameless installation



## Fitting

96

- Mounting plate for frameless installation
- doppio mounting plate for frameless installation



## Fitting

100

- Retaining ring for panels for frameless installation

# Assembly diagram

Reinforcing ring(s)

Ceiling cut-outs:

Mounting tube(s) with cover:

Cut-out: dia. 144 mm

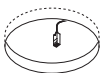
Ceiling thickness: 10-50 mm

piano / piano in mounting tube incl. head

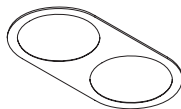
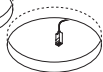
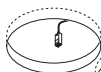
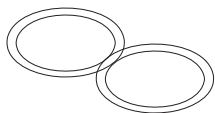
cover/doppio cover



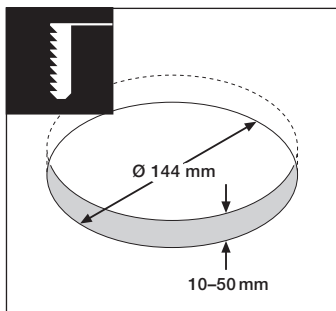
### Mounting tube with cover



### Mounting tubes with doppio cover



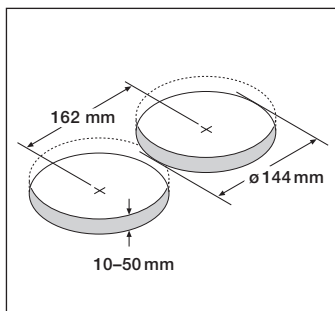
## Preparing the installation area



### Single version

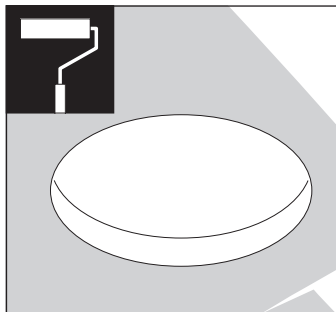
Create a circular opening with a 144 mm diameter.

Ceiling thickness: 10 mm to max. 50 mm.



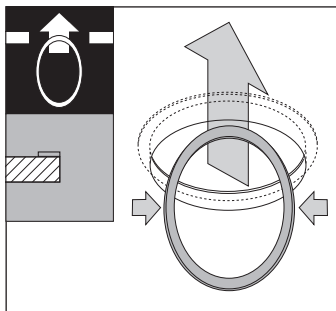
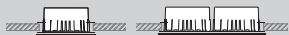
### Version with doppio cover

Create two circular openings, each with a 144 mm diameter. Distance between the circle centres: 162 mm Ceiling thickness: 10 mm to max. 50 mm.

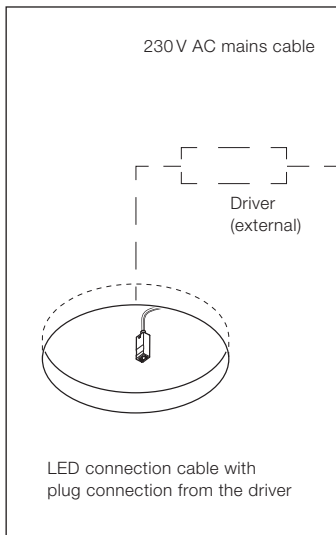


Carry out any painting and decorating work.

## Mounting tube(s) with cover



Squeeze the transparent reinforcing ring together slightly, guide it through the opening and place it on the edge of the opening.



Connecting the driver (see driver mounting instructions): Connect the driver to the mains cable in accordance with the diagram. Guide the LED connection cable through the opening. Connect the cable ends to the driver. Ensure that the positive pole is identified correctly. Observe the technical instructions of the particular manufacturer.

**Correct polarity must be observed.**

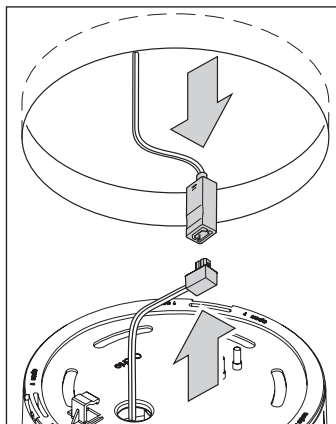
Black cable = positive pole

White cable = negative pole

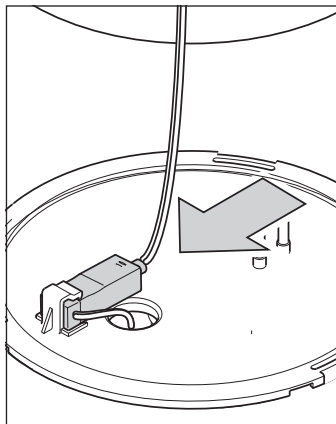


**Before fitting, disconnect all current-carrying lines from the mains supply.**

## Fitting



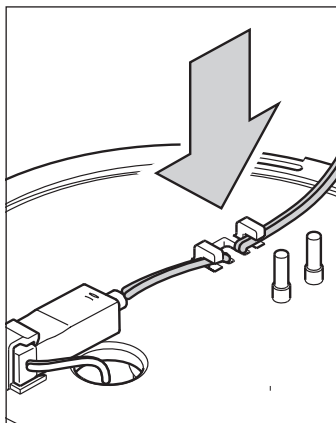
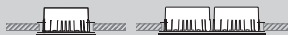
Connect the plug connector of the LED connection cable with the luminaire connector.



Secure the plug connector under the clip on the lid.

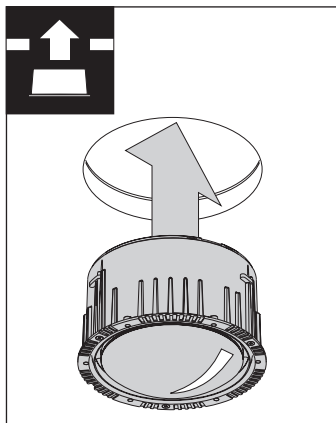


## Mounting tube(s) with cover

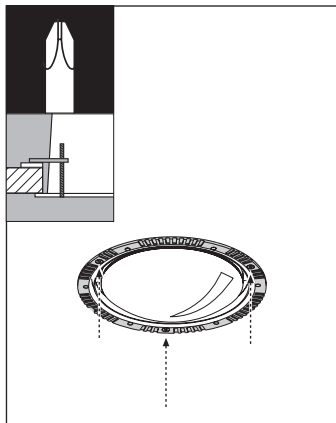


Secure the cable in the cable grip  
on the lid.

## Fitting



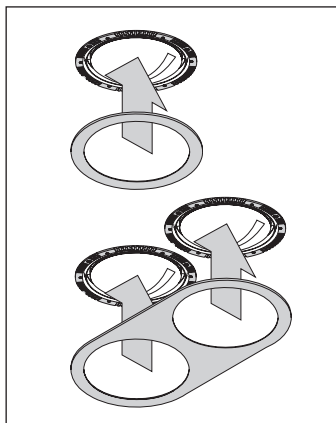
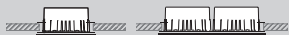
Place the mounting tube in the opening.



Tighten the 3 screws on the fasteners.

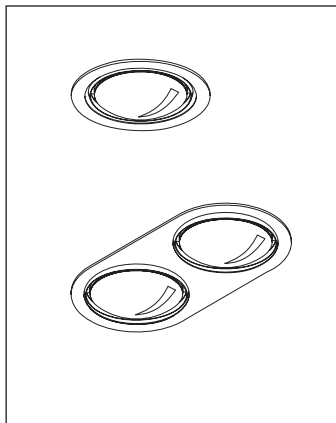
Check that the mounting tube is held in place firmly.

## Mounting tube(s) with cover



Place the cover centrally on the mounting tube.

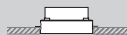
The cover is held in place by magnets.



The luminaire is now fully assembled.

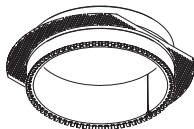


# Assembly diagram



Plaster ring for frameless installation

Plaster ring

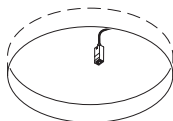


Cut-out dia.:

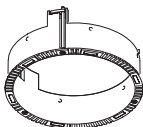
166 mm

Ceiling thickness:

10-35 mm



Mounting ring



tube piano

incl. head

Installation

depth: 99 mm



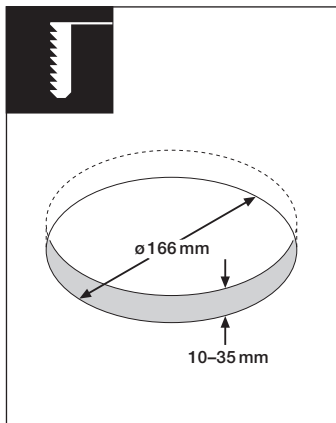
tube piano in

incl. head

Installation

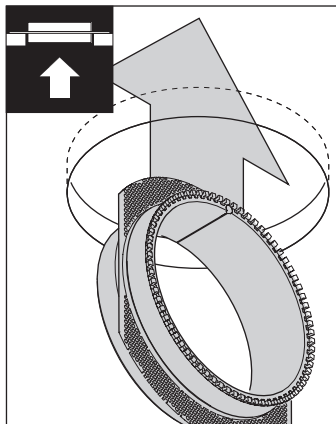
depth: 135 mm

## Preparing the installation area



Create a circular opening with a 166 mm diameter.

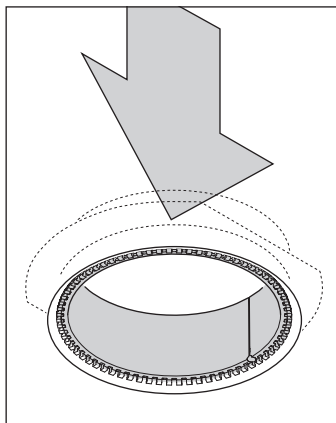
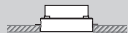
Ceiling thickness: 10 mm to max. 35 mm.



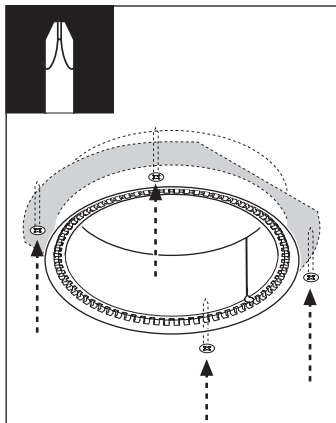
Guide the plaster ring through the opening.

If the cavity is too shallow, unscrew the perforated plate from the plaster ring. Then guide the perforated plate, without the plaster ring, through the opening. After fixing the perforated plate into place, screw the plaster ring back in.

# Plaster ring

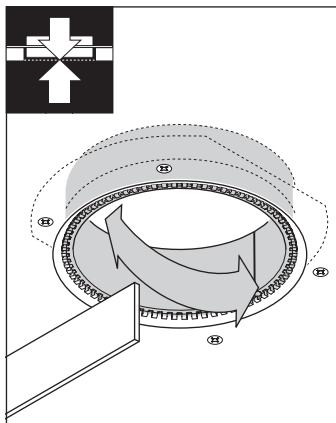


Insert the plaster ring into the opening with the grooved edge facing downwards.

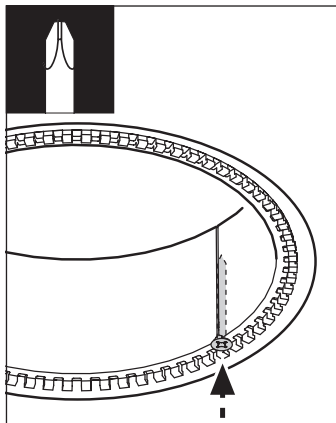


Using 4 drywall screws (supplied), screw the perforated plate of the plaster ring through the ceiling panel.

## Preparing the installation area



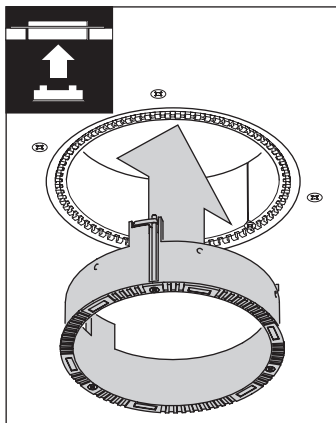
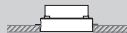
Adjust the plaster ring flush with the plaster by screwing it in or out.



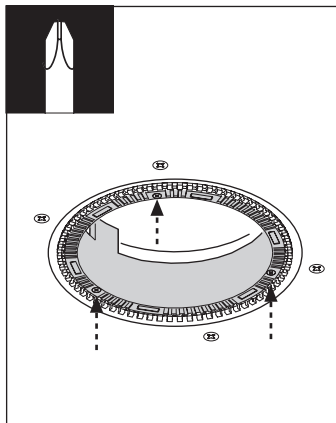
To fix the position at which the plaster ring is set, screw the supplied screw into the plaster ring so that it is flush.



# Plaster ring



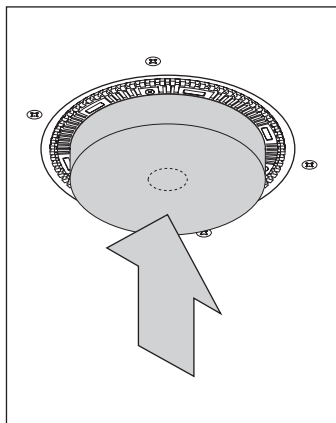
Insert the mounting ring into the plaster ring.



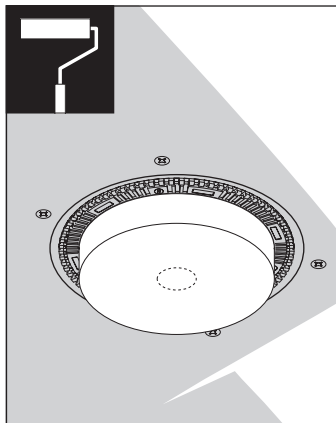
Secure with 3 screws.

Check that the mounting ring is held in place firmly.

## Preparing the installation area



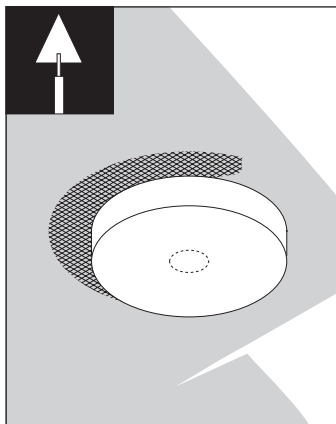
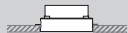
Place the protective cover in the opening.



Prime the ceiling and grooved areas of the mounting rings with primer.

Take care to ensure that no primer is applied to the inside of the mounting ring.

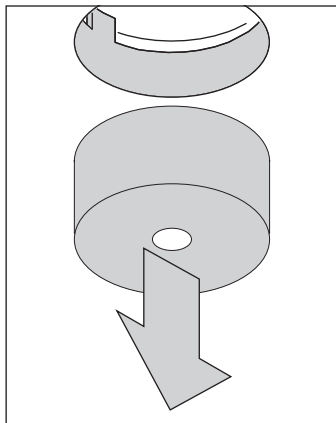
Allow the primer to dry according to the instructions given.



Apply a thin layer of plaster. Apply a ring of wire mesh to protect against later stress cracks, then plaster.

Allow the plaster to dry according to the instructions given. Sand the dried surface and re-plaster if required. Allow the plaster to dry according to the instructions given.

Carry out any painting and decorating work.



Carefully remove the protective cover. To do so, pierce it in the middle if required.

If necessary, remove any residual plaster from the inside of the mounting ring using fine sandpaper.

**Further assembly → 105**

# Assembly diagram

Ceiling cut-outs

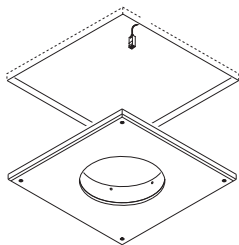
Mounting plate(s) for frameless  
installation

tube piano/tube piano in  
incl. head(s)  
Installation depth: 99 mm/135 mm



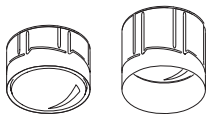
### Mounting plate for frameless installation

Cut-out:  
> 250 x 250 mm



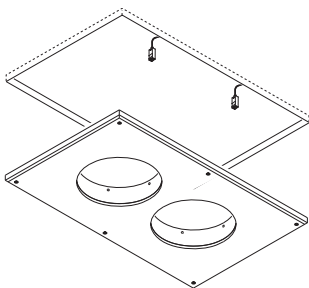
### Mounting plate for frameless installation

(fibre-cement plate with retaining ring)  
250 x 250 mm  
Thickness: 12.5 mm



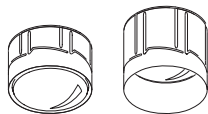
### doppio mounting plate for frameless installation

Cut-out:  
> 250 x 412.5 mm

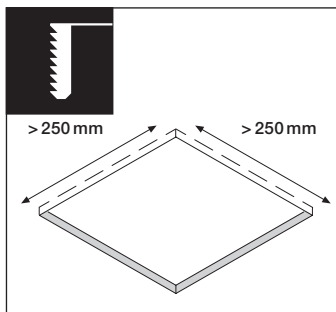


### doppio mounting plate for frameless installation

(fibre-cement plate with retaining ring)  
250 x 412.5 mm  
Thickness: 12.5 mm

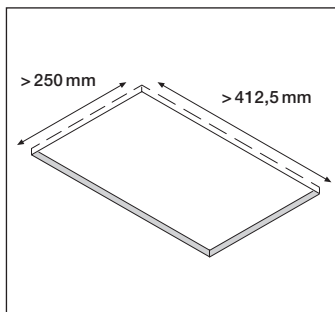


## Preparing the installation area



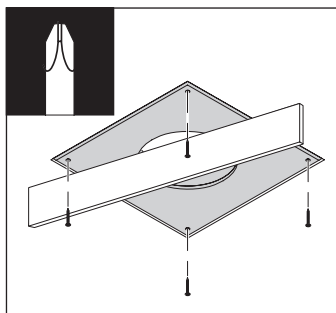
### Single version

Prepare a ceiling cut-out  
> 250 x 250 mm in size.



### doppio mounting plate

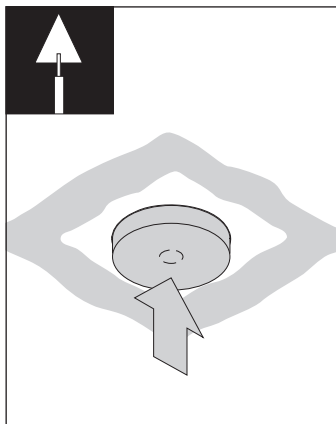
Prepare a ceiling cut-out  
> 250 x 412.5 mm in size.



Fit the drywalling plate in the opening correctly so that it is flush. To do so, use the drilled holes provided. If the plate is to be fixed in any other position, pre-drill holes before screwing it in place in order to avoid damaging the drywalling plate.



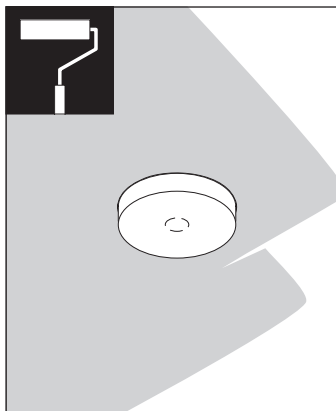
The manufacturer expressly indicates that if the drywalling plate has not been properly fitted, it may fall, thereby posing a significant danger.



Place the protective cover in the opening.

Plaster over the joins.

Ensure that the inside of the mounting ring is kept clean.



Carry out any painting and decorating work.

Ensure that the inside of the mounting ring is kept clean.

Remove the protective cover.

If necessary, remove any residual plaster/paint from the inside of the mounting ring using fine sandpaper.

**Further assembly → 105**

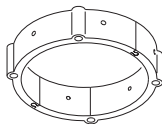
# Assembly diagram





## Retaining ring for panels for frameless installation

Retaining ring

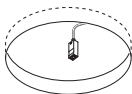


Cut-out dia.:

132.5 mm

Ceiling thickness:

10-22 mm

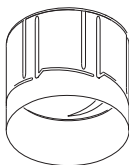


tube piano

incl. head

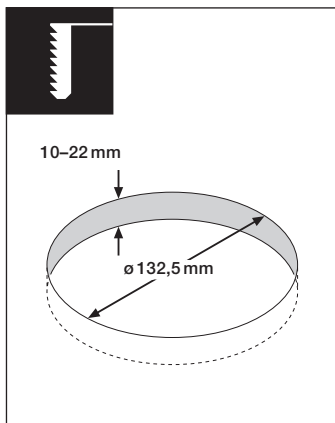
Installation

depth: 99 mm



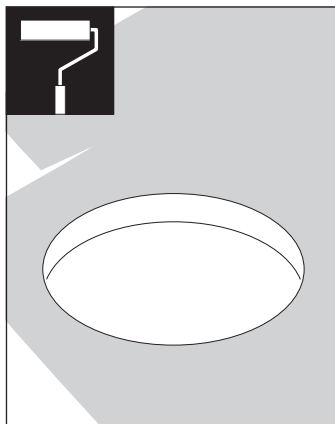
tube piano in  
incl. head  
Installation  
depth: 135 mm

## Preparing the installation area



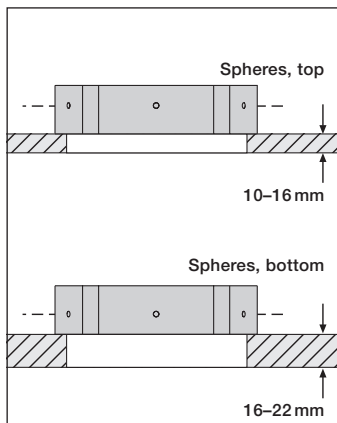
Create a circular opening with a 132.5 mm diameter.

Ceiling thickness: 10 mm to max. 22 mm.



If required, carry out any painting and decorating work.

# Retaining ring for panels



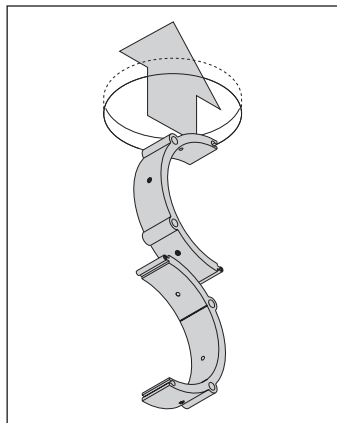
Fit the retaining ring according to the thickness of the panel:

Panel material thickness 10-16 mm:

The spheres on the inside of the retaining ring are on top.

Panel material thickness 16-22 mm:

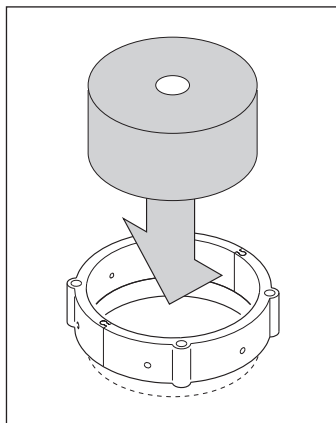
The spheres on the inside of the retaining ring are at the bottom.



If it is not possible to lower the panel, fitting can also be carried out from below, through the opening (provided there is sufficient free space above).

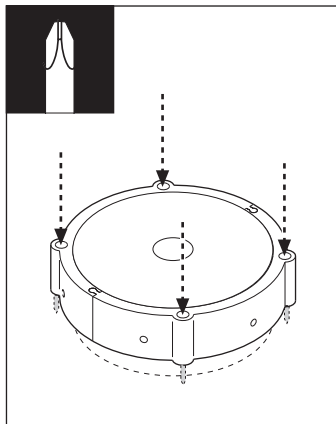
In this case, the two halves of the retaining ring would first need to be guided through the opening, and only then be joined together.

## Preparing the installation area



Create a circular opening with a 132.5 mm diameter.

Ceiling thickness: 10 mm to max. 22 mm.



If required, carry out any painting and decorating work.

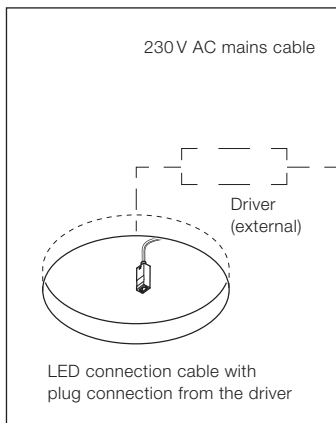
**Further assembly → 105**

# Installation

(for all except the mounting tubes)

|                        |     |
|------------------------|-----|
| Installation           | 106 |
| Adjusting the tube     | 110 |
| Removing the spotlight | 112 |

# Installation



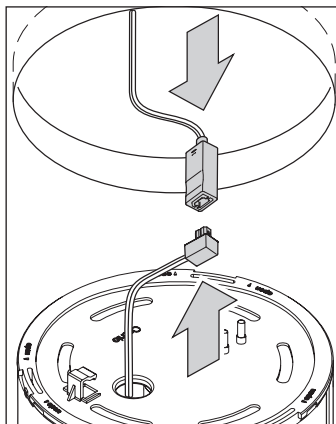
Connecting the driver (see driver mounting instructions): Connect the driver to the mains cable in accordance with the diagram. Guide the LED connection cable through the opening. Connect the cable ends to the driver. Ensure that the positive pole is identified correctly. Observe the technical instructions of the particular manufacturer.

**Correct polarity must be observed.**

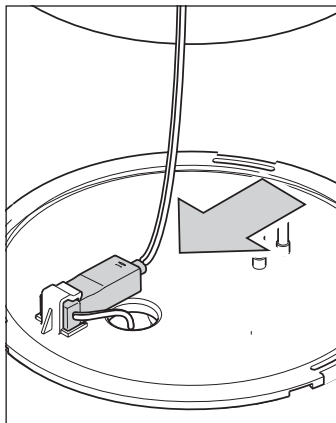
Black cable = positive pole  
White cable = negative pole



**Before fitting, disconnect all current-carrying lines from the mains supply.**

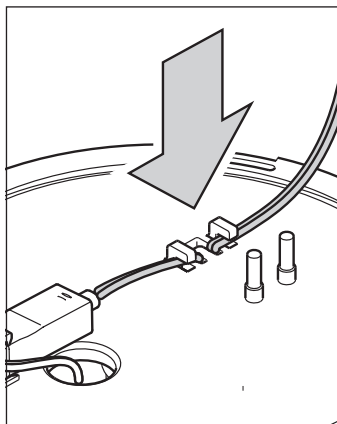


Connect the plug connector of the LED connection cable with the luminaire connector.

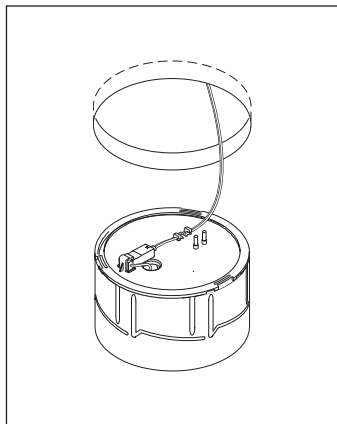


Secure the plug connector under the clip on the lid.

# Installation

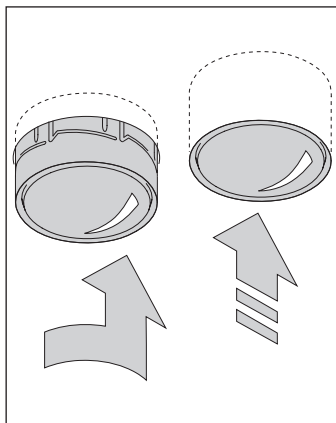


Secure the cable in the cable grip on the lid.



The spotlight is now ready for insertion.





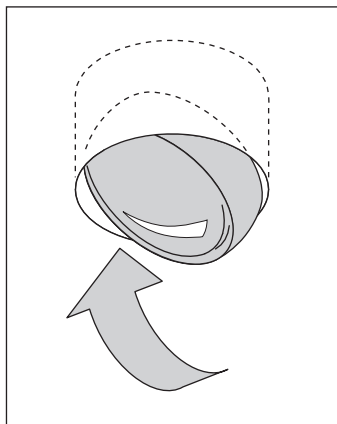
Both assembled spotlights (piano/piano in) are inserted in the same way, regardless of installation variant.

Check inside the mounting ring for debris and residual plaster, and remove it using fine sandpaper.

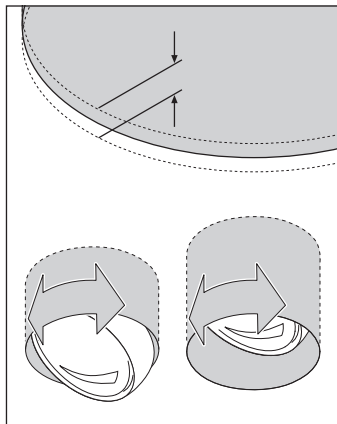
1. Turn the spotlight so that it can easily be inserted into the vertical grooves.
2. Despite the resistance, continue to push the spotlight in until it is flush. It clicks into its end position.

**The luminaire is now fully assembled. Check that it is held securely.**

## Adjusting the tube



Tip the Più piano head to one side to reach the inner surface of the tube.



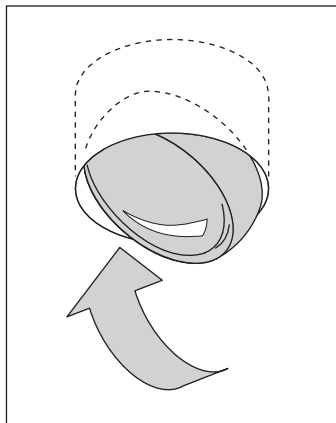
By turning the tube, the spotlight can be adjusted to the level of the ceiling.



**Caution!**  
When used in continuous operation, the surface of the spotlight can become hot.



## Removing the spotlight (all except the mounting tube)



Tip the Più piano head to one side to reach the inner surface of the tube.



**Before fitting, disconnect all current-carrying lines from the mains supply.**



**When used in continuous operation, the surface of the spotlight can become hot.**



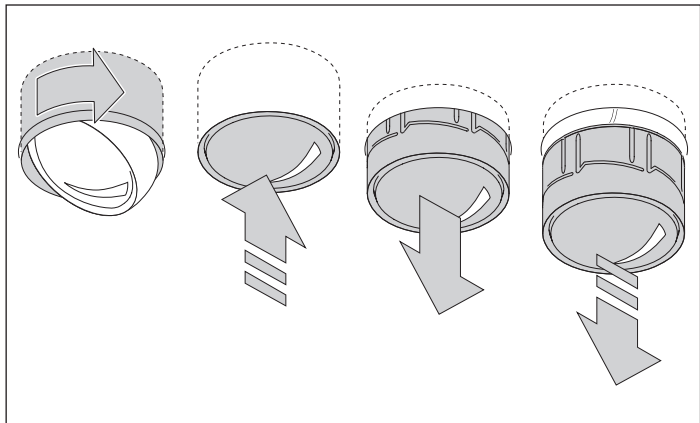
The spotlights (piano / piano in) are removed in the same way, regardless of variant (except for the mounting tubes).

1. Holding the inside of the spotlight by the tube, turn the spotlight clockwise as far as it will turn.

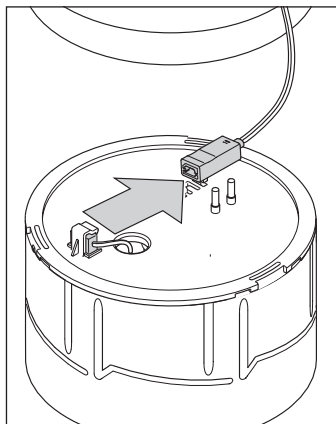
2. Press the spotlight upwards until it is flush.

3. The spotlight can now be removed. You will feel some resistance.

4. Despite the resistance, continue to draw out the spotlight until it is fully removed. Unplug the cable connection.

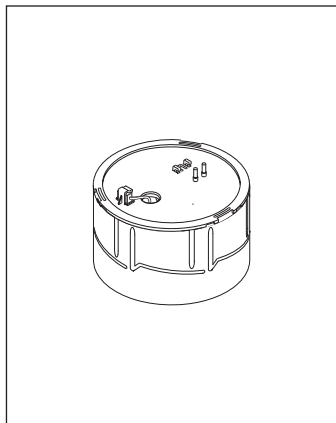


## Removing the spotlight (all except the mounting tube)



Disconnect the cable plug and socket.

Release the cable from the cable grip.



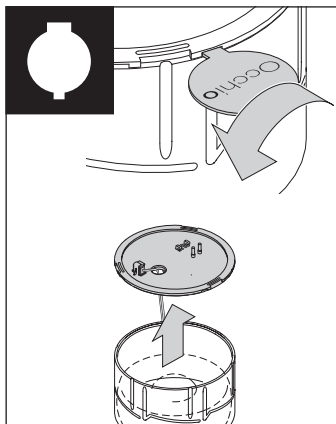
Place the tube on a soft surface.



**Before fitting, disconnect all current-carrying lines from the mains supply.**

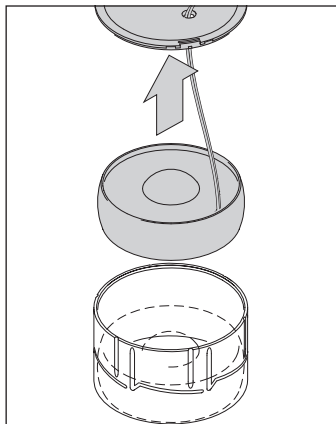


**When used in continuous operation, the surface of the spotlight can become hot.**



Using the wide end of the Occhio tool or a wide screwdriver, open the lid of the tube.

Insert the tool into one of the side grooves and turn to release the lid from the tube.



Remove the spotlight head from the tube and place it on a soft surface, with the bulb facing upwards.

## Care instructions

Always allow the luminaire to cool down before cleaning! To clean the luminaire, use a dry microfibre cloth. Detailed care instructions are available at [www.occhio.de/en/company/faq](http://www.occhio.de/en/company/faq).



## Information & contact

Your Occhio specialist retailer will  
gladly answer any other questions

[www.occhio.de](http://www.occhio.de)

[info@occhio.de](mailto:info@occhio.de)

# Technical data

## Technical data – luminaire

|                                |                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product designation            | Occhio Più piano pro / piano in pro                                                                                                                                                                                                                                                                                                           |
| Più piano pro                  | Head dia. 125 mm, H 38 mm<br>Tube dia. 132 mm, installation depth 99 mm                                                                                                                                                                                                                                                                       |
| Più piano in pro               | Head dia. 125 mm, H 38 mm<br>Tube dia. 132 mm, installation depth 135 mm                                                                                                                                                                                                                                                                      |
| Safety class                   | 3                                                                                                                                                                                                                                                                                                                                             |
| Connection                     | max. 700 mA / >36 V DC                                                                                                                                                                                                                                                                                                                        |
| Power supply unit              | External                                                                                                                                                                                                                                                                                                                                      |
| Dimming                        | Dimmable with suitable power supply unit                                                                                                                                                                                                                                                                                                      |
| Material                       | Luminaire: Aluminium, chrome-plated,<br>painted or anodised steel, plastic<br>Inserts: Glass, optical plastic                                                                                                                                                                                                                                 |
| Light source                   | Occhio light module                                                                                                                                                                                                                                                                                                                           |
| LED power                      | Max. 26W                                                                                                                                                                                                                                                                                                                                      |
| Permitted operating conditions | Max. 30 °C (for indoor use only)                                                                                                                                                                                                                                                                                                              |
| Test symbols                   | IP 20     |

## Technical data – light source

|                 |                          |
|-----------------|--------------------------|
| LED designation | Occhio light module      |
| Version         | LED module (replaceable) |
| Life time       | > 50,000 hrs             |

## Disposal

Dispose of at the local waste disposal site. The light source is recyclable and RoHS-compliant. **Do not dispose of with household waste.**



# Occhio

[www.occhio.com](http://www.occhio.com)



010404295696652410