

Assembly instruction

Date: 01.10. 2015

GIRATA

General remarks on safety

Read all of these instructions before installing fixtures.

- Keep all of the instructions for future reference.
- Turn off power before installing fixture.
- Installation is to be performed by a qualified electrician.
- All installations are to conform to the standards of National Electrical Code as well as all local jurisdictional codes and regulations.
- Any modification of the luminaire will void any and all written or implied warranties.
- Do not open the luminaire - this will void the IP rating
- The manufacturer accepts no responsibility for damage to persons or property arising through improper use or installation.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED



Dangers

- Verify power is off at installation time.
- Injuries caused by electricity are possible

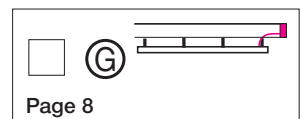
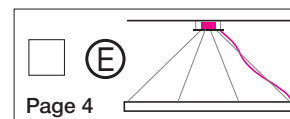
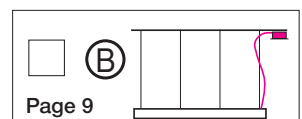
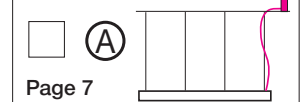
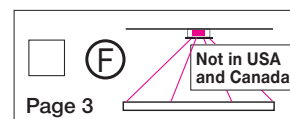
Technical Data:

Device sticker

Measurements Ø mm / inches	Weight kg / lbs Light Fixture	Canopy/ Operating Unit
Ø 600 / 23.6	3.0 / 6.6	5.0 / 11.0
Ø 900 / 35.4	3.5 / 7.7	5.0 / 11.0
Ø 1240 / 48.8	5.0 / 11.0	5.0 / 11.0
Ø 1550 / 61.0	5.5 / 12.1	5.0 / 11.0

Mounting Version

Supply line 24 V



BOM

Package 1

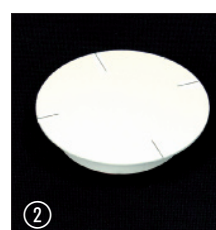
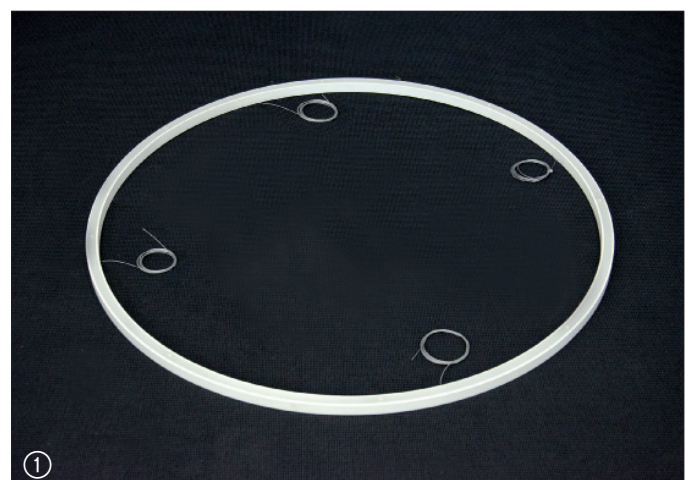
- | | | | |
|-------------------------------------|--|---|--------|
| <input checked="" type="checkbox"/> | Aluminium frame with acrylic glass ring and 4 steel cables | ① | 1 unit |
|-------------------------------------|--|---|--------|

Package 2

- | | | | |
|-------------------------------------|--------------------------------|---|--------|
| <input type="checkbox"/> | Canopy incl. power supply unit | ② | 1 unit |
| <input type="checkbox"/> | External power supply unit | ③ | 1 unit |
| <input checked="" type="checkbox"/> | White gloves | ④ | 1 pair |
| <input checked="" type="checkbox"/> | Screwdriver | | 1 unit |
| <input checked="" type="checkbox"/> | Assembly instructions | | 1 unit |

Dimmer

- | | |
|--------------------------|------------------------|
| <input type="checkbox"/> | Not dimmable |
| <input type="checkbox"/> | DMX interface |
| <input type="checkbox"/> | Dimmer interface 0-10V |
| <input type="checkbox"/> | Dimmer interface 1-10V |
| <input type="checkbox"/> | DALI interface |
| <input type="checkbox"/> | LUTRON interface |
| <input type="checkbox"/> | Bluetooth interface |
| <input type="checkbox"/> | Enocean interface |



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Warranty

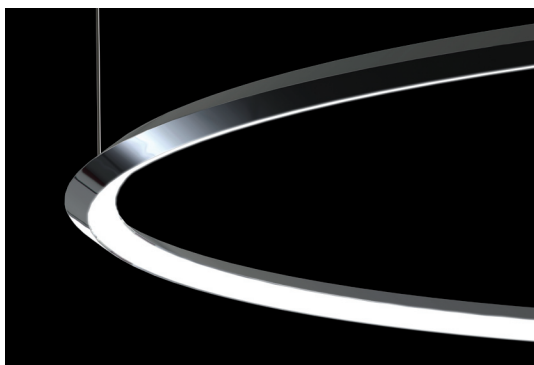
Use the enclosed assembly instructions for the installation of the lighting fixture. Non-compliance with the assembly instruction will automatically void the warranty.

The persons assigned with the installation of the product are instructed to handle it with the utmost care and safety in order to avoid damages to third parties.

The present light fixture has been tested and is fully operational.



GIRATA, assembly version (F)



GIRATA, detail

GIRATA

DIRECT

2 Packages**Consignment consists of 2 packages**

Unpack light fixture and check the parts list to make sure it is complete. Use the provided gloves for fitting the light fixture in order to keep polished surfaces and the acrylic glass clean.

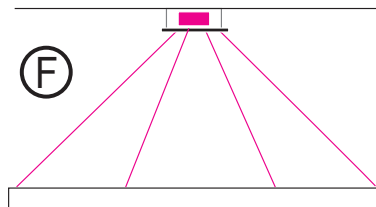
Do not remove the protective foil until after assembly.

Assembly instruction

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Light fixture with canopy – Connection of the light fixture with current-carrying steel cables



Mounting of the canopy



Make sure the ceiling has sufficient support capacity!

1. Fit the base of the canopy to the ceiling with the 4 mounting points. Ø Drill 6mm / 1/4" holes and anchor to fasten canopy to ceiling (see scale sketch on the left).
2. Connect the power supply and the control signal to the terminal block of the ceiling plate (see wiring diagram page 11).

Connection of the light fixture

3. Fix light fixtures with 4, 6 steel cables (depending on light fixture diameter) to the canopy with the provided cable grippers and align by applying light pressure on the cable grippers. Observe minimum / maximum suspension height on page 5.



Consider the polarity of the current-carrying cables in accordance with the markings on the light fixture and the canopy.



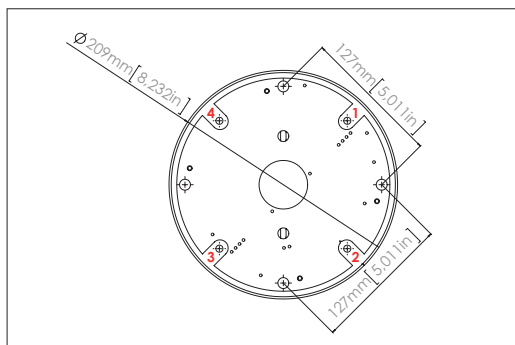
Never adjust the suspension under pressure. The steel cables might get damaged.

4. Lock the cable grippers in place by use of the insulated knurled screw.
5. Shorten excessive steel cables in order to prevent short circuits.

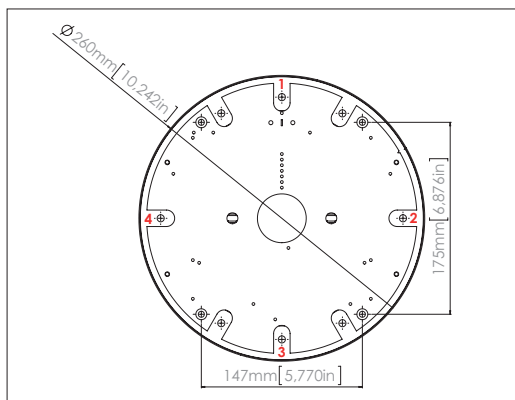


Shortened cables can only be replaced by the factory!

- 6a. (optional) Canopy cover including light spot:
Connect spot with canopy.
- 6.b Mount the canopy cover and fasten it with screws from the side.
7. Check whether the light fixture is functioning.



Canopy Ø 230 mm / 9,5" with 4 steel cables



Canopy Ø 290 mm / 11,4" with 4 steel cables



Canopy with mounted cover



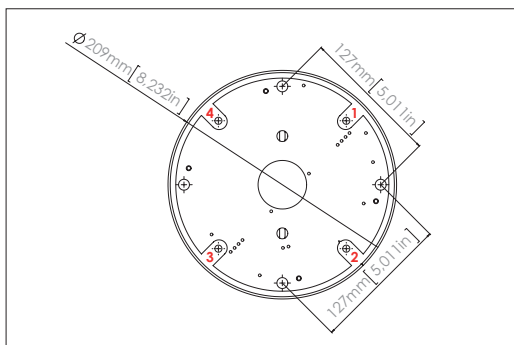
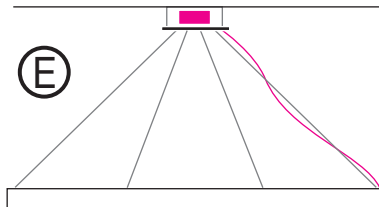
Canopy with spot

Assembly instruction

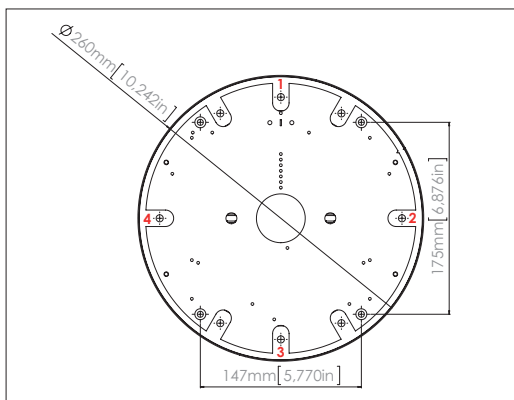
Date: 01.10. 2015

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Light fixture with canopy – Connection of the light fixture with separate power supply cable



Canopy Ø 230 mm / 9,5" with 4 steel cables



Canopy Ø 290 mm / 11,4" with 4 steel cables

Mounting of the canopy



Make sure the ceiling has sufficient support capacity!

1. Fit the base of the canopy to the ceiling with the 4 mounting points. Ø Drill 6mm / 1/4" holes and anchor to fasten canopy to ceiling (see scale sketch on the left).
2. Connect the power supply and the control signal to the terminal block of the canopy (see wiring diagram page 11).

Connection of the light fixture

3. Fix light fixtures with 4, 6 cables (depending on light fixture diameter) to the canopy at the provided cable grippers and align by applying light pressure on the steel cable grippers. Observe minimum / maximum suspension height on page 5.



Consider the polarity of the current-carrying cables in accordance with the markings on the light fixture and the canopy.



Never adjust the suspension under pressure. The steel cables might get damaged.

4. Lock the cable grippers in place by use of the insulated knurled screw.
5. Shorten excessive steel cables in order to prevent short circuits.



Shortened cables can only be replaced by the factory!

- 6a. Insert the power supply line through the side of the ceiling plate and connect it to the terminal block in accordance with the wiring diagram (p. 11)
- 6b (optional) Canopy including light spot: connect pre-assembled connector to canopy.
7. Mount the canopy cover and fasten it with screws from the side.
8. Check whether the light fixture is functioning.



Canopy with mounted cover



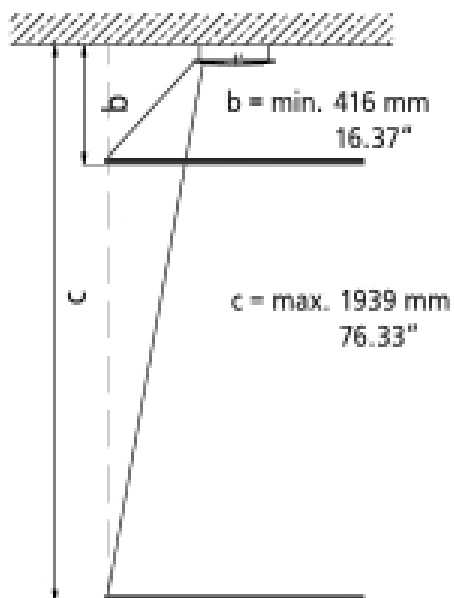
Canopy with spot

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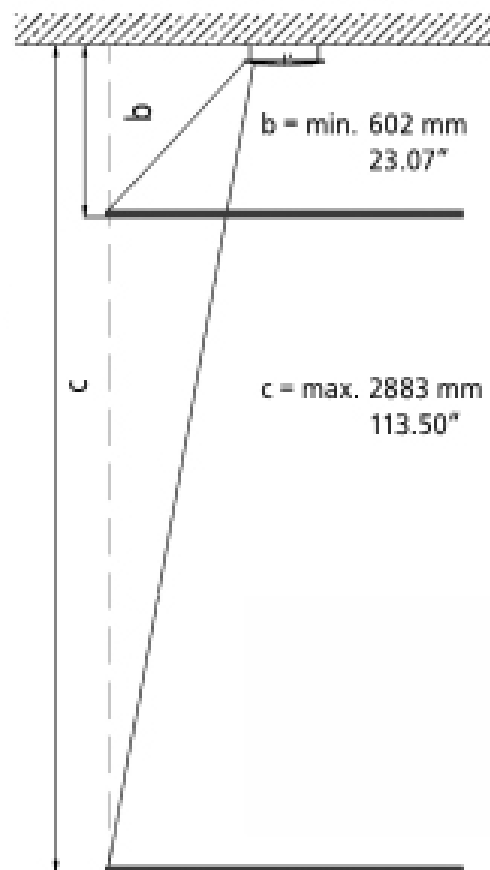
Light fixture with canopy:



Ø 600mm / 23.6", Ø 900 mm / 35.4" and Ø 1240 mm / 48.8"
minimum (b) respectively maximum (c) ceiling suspension



GIRATA
Ø 600 mm / 23.6"
Ø 900 mm / 35.4"



GIRATA
Ø 1240 mm / 48.8"

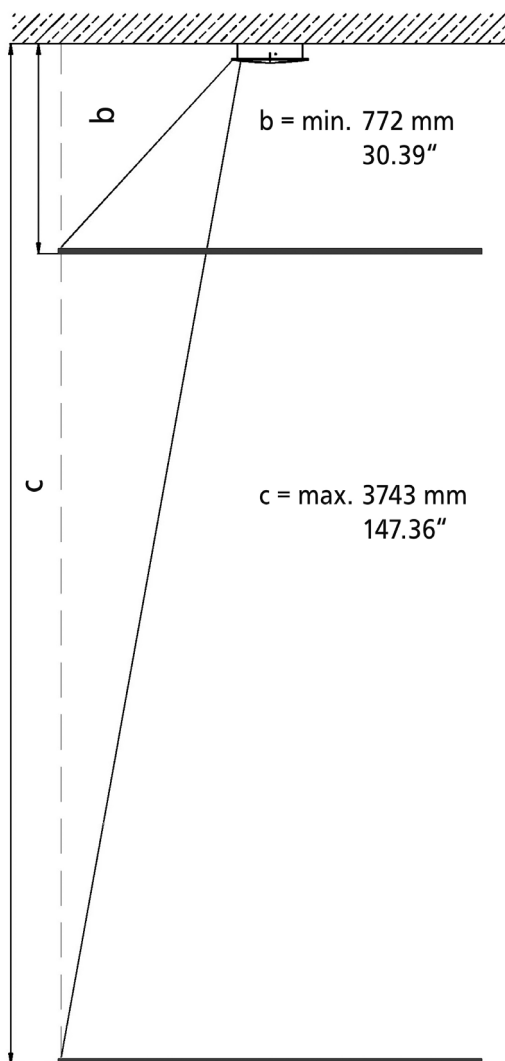
GIRATA



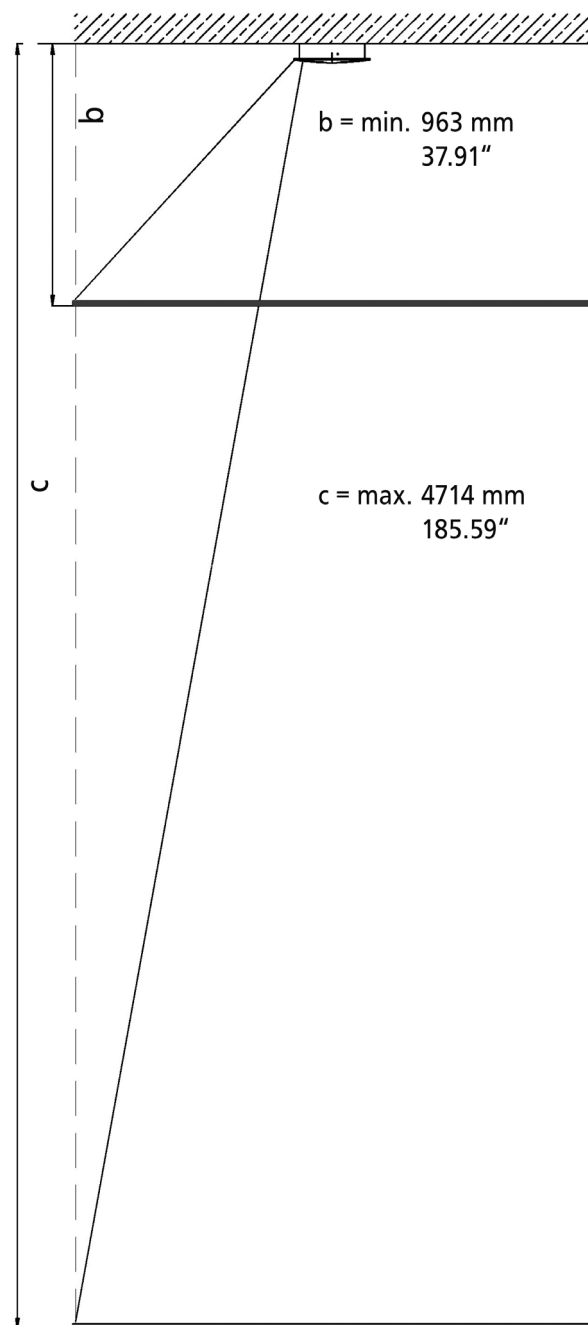
Light fixture with canopy

1550 mm / 61.0" and Ø 1900 mm / 74.8"

minimum (b) respectively maximum (c) ceiling suspension



GIRATA
Ø 1550 mm / 61.0"

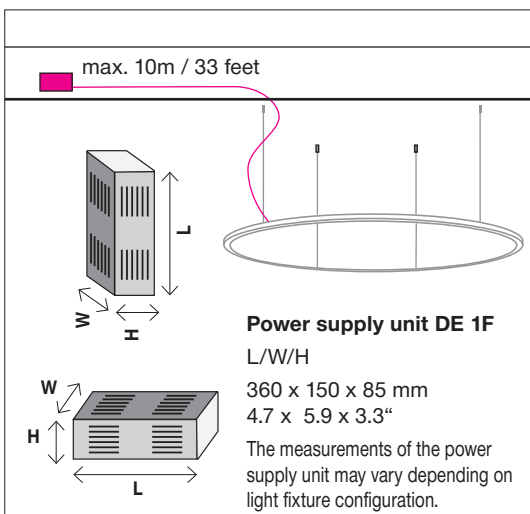
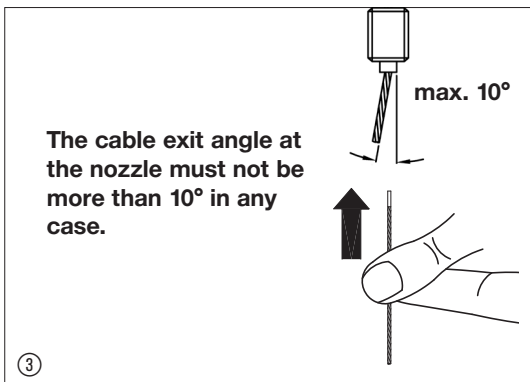
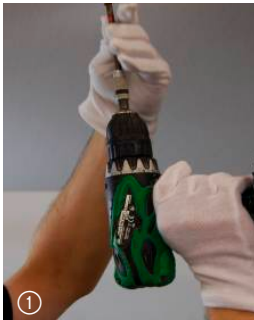
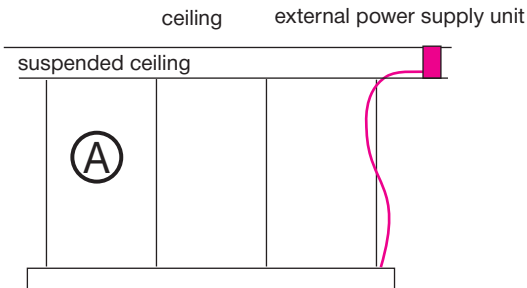


GIRATA
Ø 1900 mm / 74.8"

Assembly instruction

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Light fixture with steel cable suspension – Connection of the light fixture with external power supply unit



Mounting of the cable grippers, installation of the light fixture



Make sure the ceiling has sufficient support capacity!

1. Mark the 4 anchor positions of the light fixture on the ceiling according to the drilling template on page 10 (observe different measurements).
2. Drill Ø 6mm / 1/4 holes, insert anchors and fasten steel cable holders, see pictures ① + ② .



The steel cable grippers cannot be used for outdoor areas. Make sure cables are not damaged. Prior to mounting, the nozzle of the steel cable bracket has to have noticeable spring pressure. In order to ensure full suspension, the steel cables have to be clean and free from greases, oils and rust. The steel cable grippers can only be used in connection with the provided fixation cables for stationary and static loads, see picture ③

3. Insert the cables which have been pre-attached to the light fixture in the steel cable grippers.
4. Lift the light fixture in its desired position and adjust by applying light pressure on the steel cable grippers.
5. If provided, lock the steel cable grippers in place by use of the insulated knurled screw.
6. Shorten excessive steel cables.



Shortened cables can only be replaced by the factory!

Assembly of the operating unit, connection to light fixture



Mount external power supply unit only in a dry and aerated place!

Power supply cable from the operating unit to the light fixture max. 10m / 33 feet

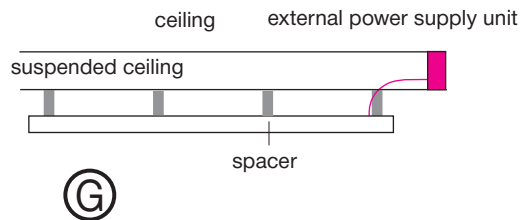
Assembly of external power supply vertically or horizontally (see sketch)

7. Open the housing of the operating unit by loosening the 4 screws.
8. Fasten operating unit sufficiently.
9. Connect primary connection and power supply cable of the light fixture according to the wiring diagram (p.11), then fasten the housing of the operating unit again.
10. Check whether the light fixture is functioning.

Assembly instruction

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Direct ceiling mounting – Connection of the light fixture with external power supply unit

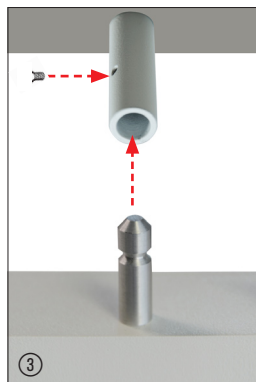
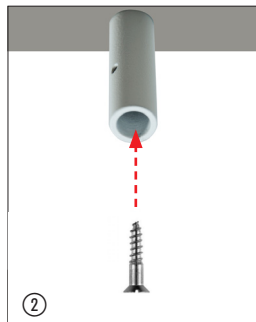


Mounting of the ceiling support



Make sure the ceiling has sufficient support capacity!

1. Mark the 4 anchor positions of the light fixture on the ceiling according to the drilling template page 10 (observe different measurements).
2. Drill Ø 6mm / 1/4 holes, insert anchors and fasten ceiling spacers (50 mm), see pictures ① + ② .
3. Insert the bolts which have been pre-attached to the light fixture, in the ceiling spacer.
4. Fasten with the locking screw on the side ③.

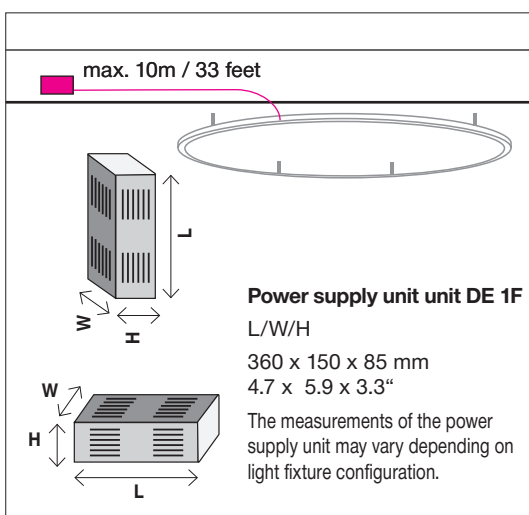


Mount operating unit only in a dry and aerated place!

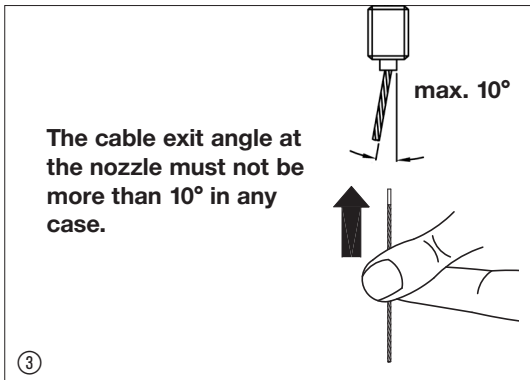
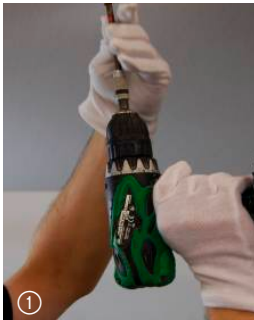
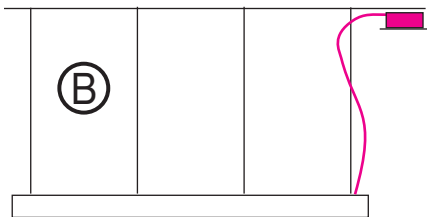
Power supply cable from the operating unit to the light fixture max. 10m / 33 feet

Fixation of power supply unit unit vertically or horizontally (see sketch)

7. Open the housing of the operating unit by loosening the 4 screws.
8. Fasten power supply unit sufficiently.
9. Connect primary connection and power supply cable of the light fixture according to the wiring diagram (p. 11), then fasten the housing of the operating unit again.
10. Check whether the light fixture is functioning.



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max. 10m / 33 feet		
Typ Canopy	Maße mm / inch	Ø Deckel / Gehäuse
DB 230	Ø 230 / 210 mm / 9.5 x 8.3"	(Ø 900mm)
DB 290	Ø 290 / 260 mm / 11.4 x 10.2"	(Ø 1240mm) (Ø 1550mm)

Light fixture with steel cable suspension – Connection of the light fixture with separate canopy



Mounting of the cable grippers, installation of the light fixture



Make sure the ceiling has sufficient support capacity!

1. Mark the 4 anchor positions of the light fixture on the ceiling according to the drilling template page 10 (observe different measurements).
2. Drill Ø 6mm / 1/4 holes, insert anchors and fasten steel cable holders, see pictures ① + ② .



The steel cable grippers cannot be used for outdoor areas. Make sure cables are not damaged. Prior to mounting, the nozzle of the steel cable gripper has to have noticeable spring pressure. In order to ensure full suspension, the steel cables have to be clean and free from greases, oils and rust. The steel cable gripper can only be used in connection with the provided fixation cables for stationary and static loads, see picture ③

3. Insert the cables which have been pre-attached to the light fixture in the steel cable grippers.
4. Lift the light fixture in its desired position and adjust by applying light pressure on the steel cable grippers.
5. If provided, lock the steel cable grippers in place by use of the insulated knurled screw.
6. Shorten excessive steel cables.



Shortened cables can only be replaced by the factory!

Assembly of the canopy, connection to light fixture



Power supply cable from the operating unit to the light fixture max. 10m / 33 feet

7. Mark the 4 anchor positions of the canopy on the ceiling according to the scale sketch (page 4) – different measurements depending on size. Drill Ø 6mm / 1/4 holes, insert anchors and fasten canopy.
8. Connect primary connection in accordance with the wiring diagram.
9. Insert the power supply cable that has been pre-attached to the light ring in the side of the canopy and connect to the terminal block according to wiring diagram (p. 11).
10. Mount canopy cover and fasten with screws from the side.
11. Check whether the light fixture is functioning.

Assembly instruction

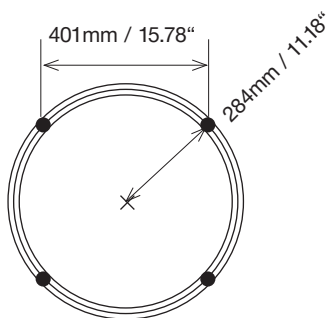
Date: 01.10. 2015

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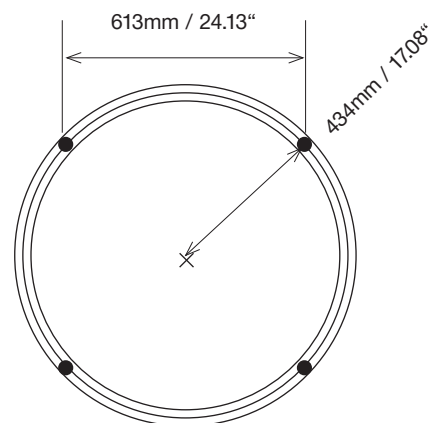


Light fixtures with steel cable suspension or ceiling spacers

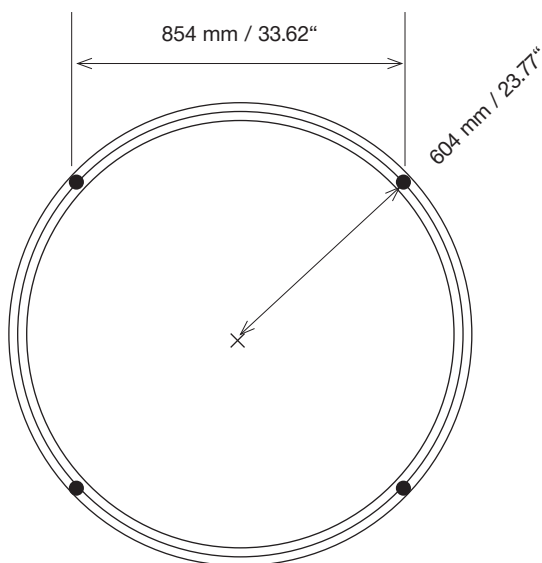
Depending on the size of light fixture:
4, respectively 6 anchor points for suspension.



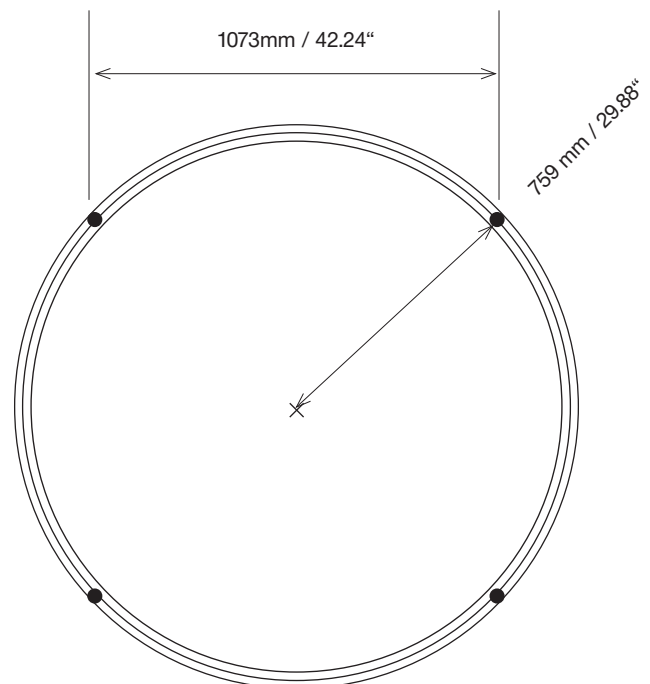
GIRATA Ø 600 mm / 23.6"
4 anchor points



GIRATA Ø 900 mm / 35.4"
4 anchor points



GIRATA Ø 1240 mm / 48.8"
4 anchor points

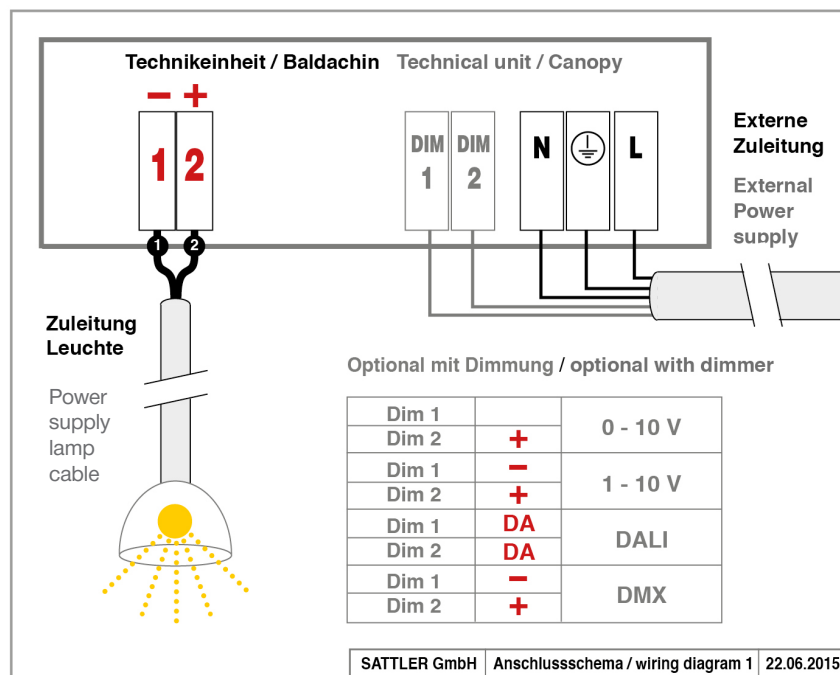


GIRATA Ø 1550 mm / 61.0"
4 anchor points

GIRATA



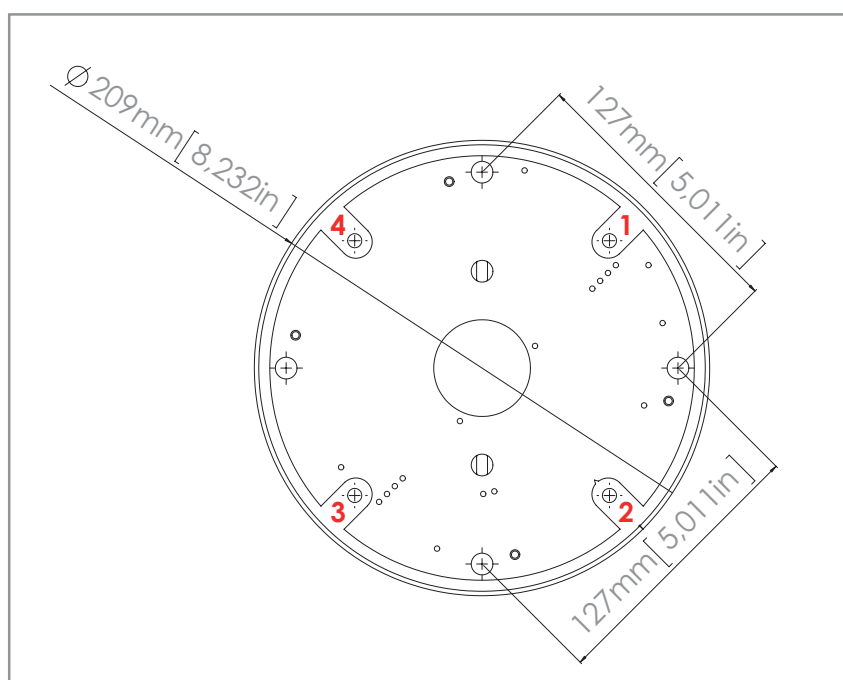
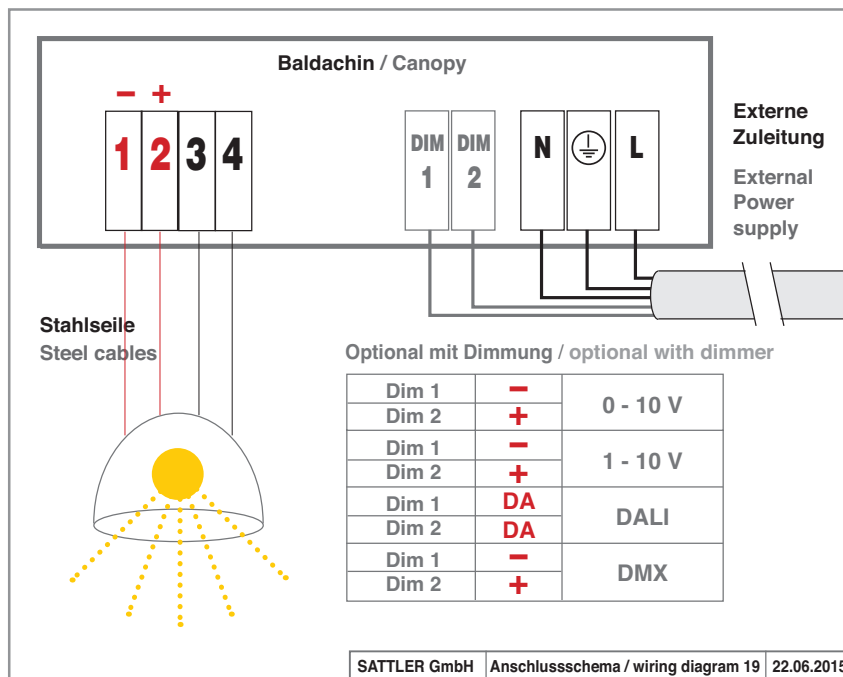
Wiring Diagram LED white



GIRATA



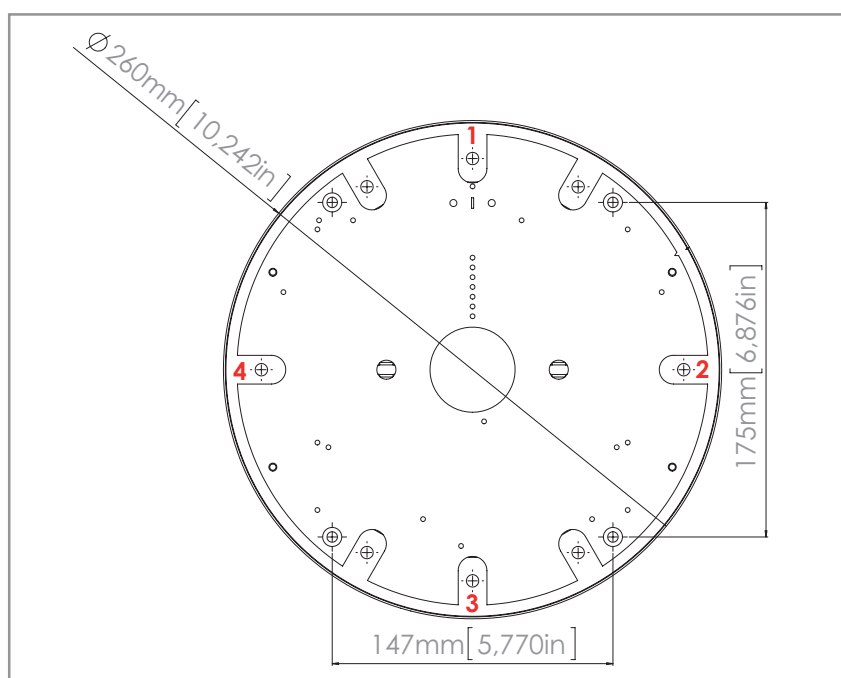
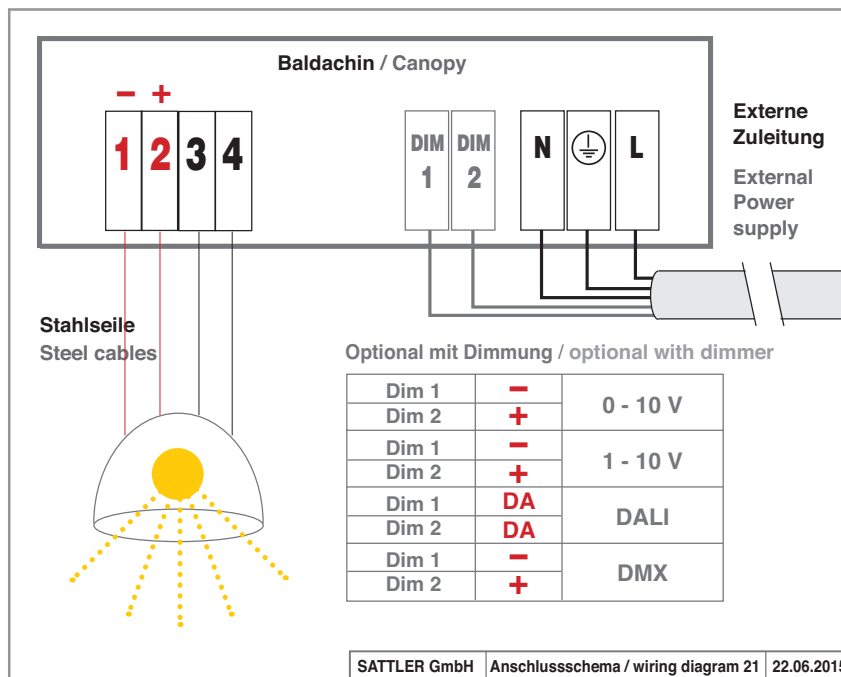
Wiring Diagram LED white / Canopy Ø230



GIRATA



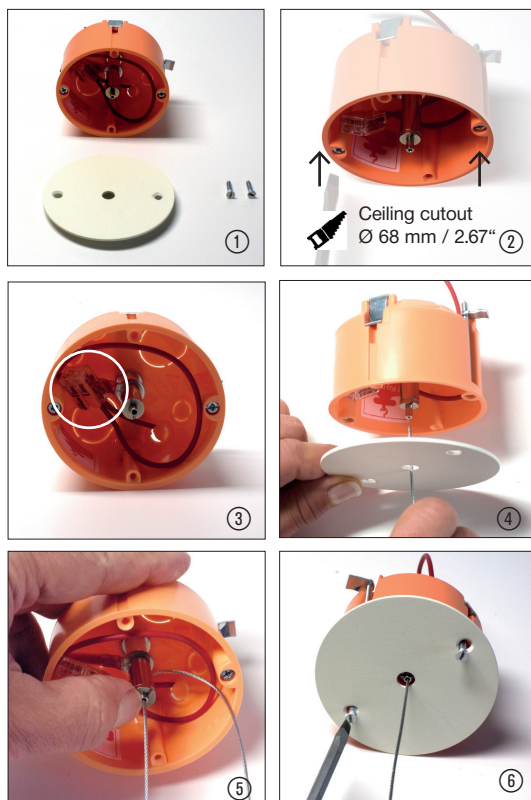
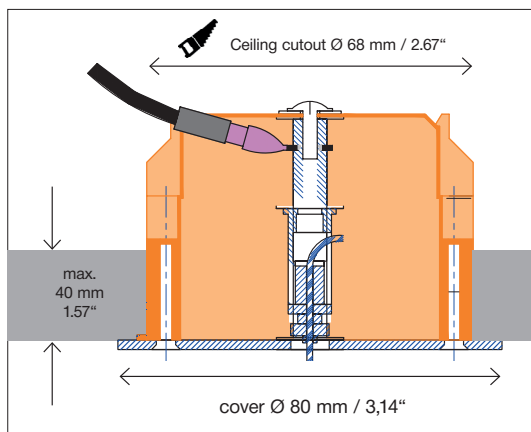
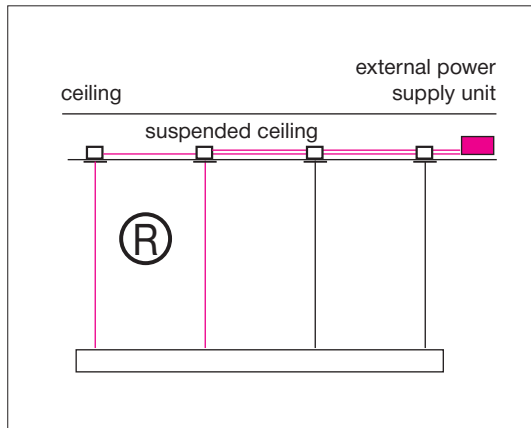
Wiring Diagram LED white / Canopy Ø290



Assembly instruction

Date: 01.10. 2015

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Light fixture with current-carrying steel cables, cavity boxes and external power supply unit.



Mounting of the cavity boxes with integrated steel cable grippers.



Make sure the ceiling has sufficient load-carrying capacity!

1. Mark the 4 positions of the cavity boxes on the ceiling according to the drilling template on page 11.
2. Cut out a ceiling cavity with $\varnothing 68 \text{ mm} / 2.67''$ ②.
3. Connect the enclosed secondary supply cable to the cavity box ③ and connect the cable to the canopy (max. 3m). Observe connection diagram R (from p.12) and marking on luminaire.
4. Attach the cavity box to the ceiling with 2 cross-recessed screws (the thickness of the ceiling must be max. $40 \text{ mm} / 1.57''$).
5. Insert the steel cables (which are already mounted on the fixture) through the hole in the cover plate in the cable grippers ④.
6. Lift the light fixture in the requested position and adjust by applying slight pressure on the steel cable grippers ⑤.
7. Shorten excessive steel cables.



Shortened cables can only be replaced by the factory!



The steel cable grippers cannot be used for outdoor areas. Make sure cables are not damaged. Prior to mounting, the nozzle of the steel cable bracket has to have noticeable spring pressure. In order to ensure full suspension, the steel cables have to be clean and free from grease, oil and rust. The steel cable grippers can only be used in connection with the provided fixation cables for stationary and static loads.

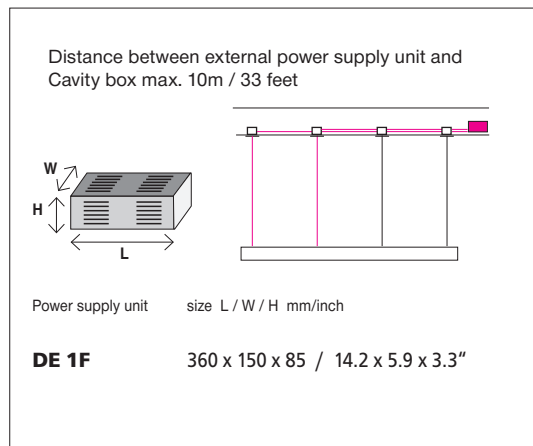
8. Fix cover with two screws ⑥.

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Light fixture with current-carrying steel cables, cavity boxes and external power supply unit.



Assembly of the power supply unit, connection to cavity boxes



Mount external power supply unit only in a dry and well-ventilated place!

Installation in suspended ceiling, maximum distance to cavity box 10 m / 33 feet.

9. Connect the primary connection according to the connection diagram (from p.12).
10. Fix power supply unit sufficiently.
11. Insert the supply cable at the side of the power supply unit and connect it to the terminal block according to connection diagram R (from p.12).
12. Check whether the light fixture is functioning.
13. Attach the power supply unit cover and fix it with screws on the side.

We will be glad to assist you with any further questions regarding the assembly of our light fixtures.

Contact: Inter-lux, 3741 Commerce Dr. #306-308, Baltimore, MD 21227. 410-381-1497 www.inter-lux.com

Legal disclaimer: Please make sure to adhere to all safety instructions. Every single assembly step is crucial in order to ensure the safety of the light fixture and the technician. Inter-lux and SATTLER GmbH cannot be held liable for any damages or injuries in case of negligence of safety instructions.