

## Pendant Light Toccata

### 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 only.
- 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

### Technical data:



#### Frame

5 parts aluminum profile, polished, with integrated acrylic glass cover.

Dimension	Fixture Weight	technical-unit Weight
Ø 61 inch/1550 mm	24.3 lbs/11 kg	11 lbs/5 kg

### BOM

#### quantity

#### Package 1: Pendant light

- Light fixture rings ①, pre-assembled, 5 parts including 4-part assembling aid ② 1 unit
- Transparent supply line, pre-assembled and attached to the rings ③ 3 units
- Supply line to technical unit/canopy 1 unit

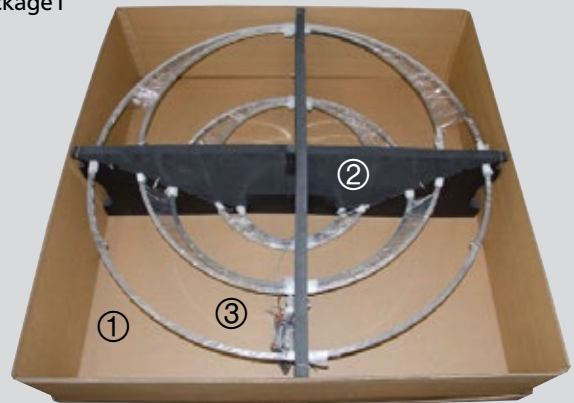
#### Package 2: technical unit, canopy

- Canopy ④ including 2-part cover ⑤ and pre-assembled steel cables 5 m long ⑥ 7/14 units
- Technical unit ⑦ 1 unit
- Gloves, white 2 pairs
- Assembly instruction 1 unit

#### Optional:

- Interface dimmer 1-10 V

Package 1



Package 2



## Pendant Light Toccata



### Delivery contains 2 packages

Unpack the light fixture and check the bill of material.

Use enclosed cloth gloves to prevent soling of polished frame, screws and acrylic.

### 1. Mark anchor positions on the wall

Mark anchor position of your canopy on the ceiling according to drilling template, drill the anchor points with  $\varnothing$  6mm (1/4") anchors. Alternatively, mount to canopy octagonal j-box.

### 2. Installation of canopy

Attach canopy to j-box or ceiling. Pull the power supply cable through the 1 1/4" hole and make connections.

## Pendant Light Toccata



### 2. Fit the canopy

Mark the mounting points of the canopy ④.

Pre-drill the mounting points for the canopy into the ceiling, using a  $\varnothing$  1/4" inches/6mm drill. Then insert the anchors and fasten with 4 screws. Please ensure the load capacity of the ceiling is sufficient.



### 3. Alignment of light fixture

Align the cross-shaped plastic assembling aid ② so that it is parallel to the cables in the canopy ④.



### 4. Mounting of the light fixture

First, remove both upper parts of the plastic assembling aid by cutting the **white cable straps**.



**Please note:**

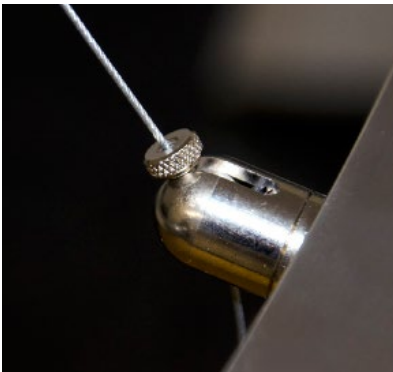
**Please do not yet remove the lower 2 assembling aids which are attached to the light fixture with black cable straps.**

## Pendant Light Toccata



### 4.1 Fastening the cord suspension

Insert the lower ends of the steel cables into the cable grippers which are pre-assembled and mounted on the light fixture. In order to do this, completely open the respective lock nut.



When mounting the 7/14 fastening cables to the light fixture rings, work from the outside towards the inside. The alignment of the light fixture according to the mounted ceiling plate is important here.

The light fixture ring can be moved up by applying slight pressure to the spring-loaded inlet of the cable hold. As soon as the cable gripper is fully loaded, it locks and cannot slide in any direction.



### 4.2 Alignment of the light fixture

For preliminary alignment, lift light fixture and tighten the steel cables, one after the other. Then, align the light fixture horizontally with the aid of a level. In order to achieve this, it is necessary to re-adjust the cable gripper of the respective rings several times. Once the light fixture has been aligned correctly, (the light fixture is still fastened to the assembling aid) tightly screw in the lock nuts of the cable grippers by hand and tighten them Hand Tight.

#### **Note:**

The steel cable brackets are just for indoor use. The nozzle of the steel cable bracket must show noticeable spring loaded pressure. To ensure the full load capacity the cables shouldn't be greasy or rusty.

The steel cable brackets are just for use of supplied steel cables at static load.

The exit angle of the steel cable at the nozzle should on no account be more than 10°.

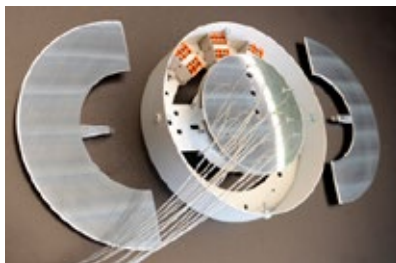
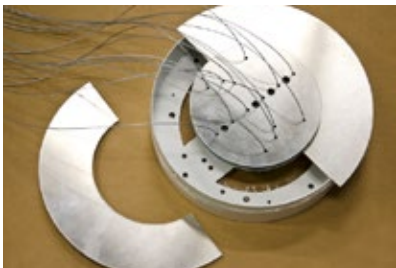
## Pendant Light Toccata



### 4.3 Connect the light fixture cables

Run the 3 light fixture cables alongside the respective steel cable up to the ceiling plate and fasten them to the cable with the pre-assembled cable clips.

Connect the light fixture cable to the canopy according to the connection diagram. Afterwards, mount both covers to the ceiling plate.



Now fully remove the assembling aid. ②

## Pendant Light Toccata



### 5. Installation of TU (technical unit)

The TU has to be mounted vertical to guarantee air circulation.

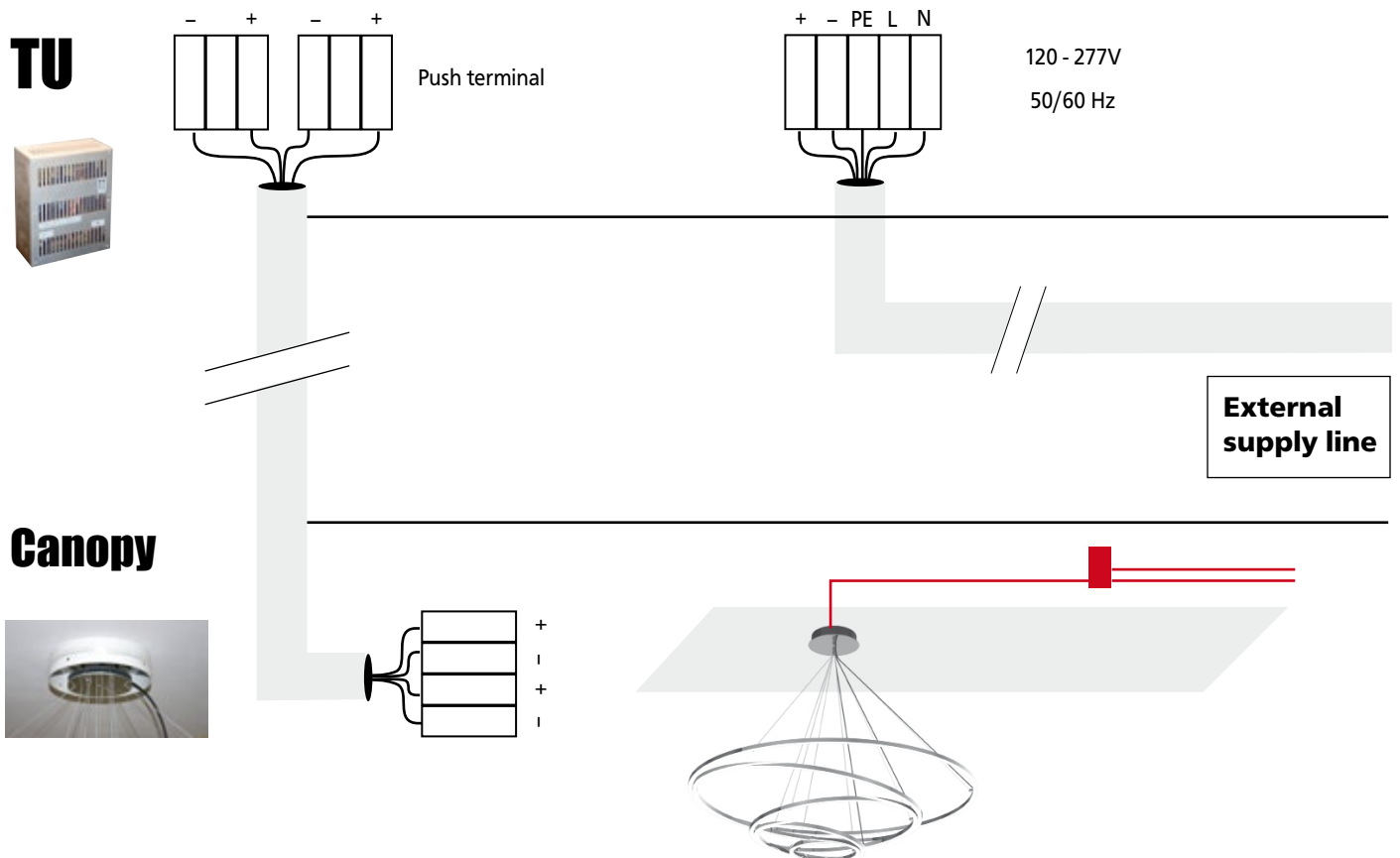
Connect the power supply line to the TU. Please note the pole labeling when connecting the supply line between TU and light fixture. The distance between TU and light fixture should not be more than 30 feet.

#### 5.1 Connection template

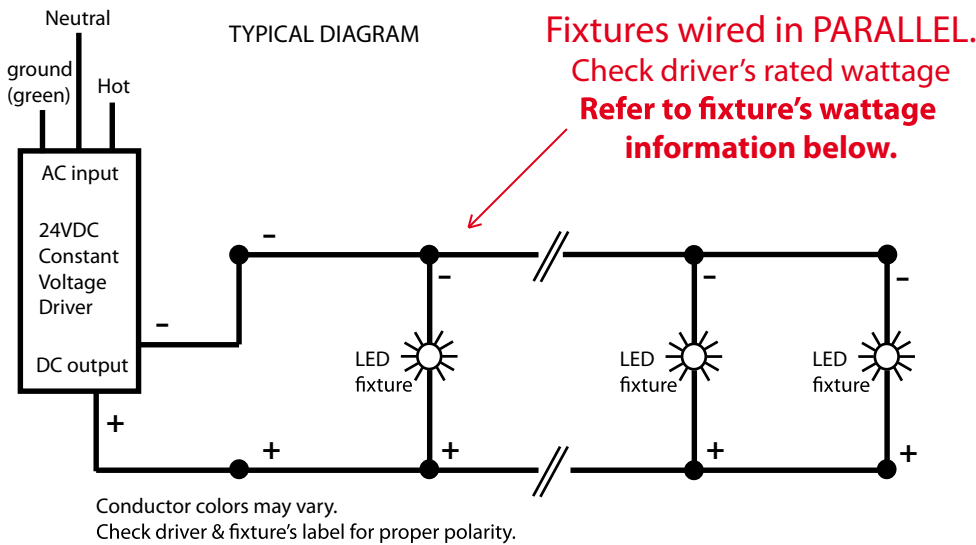
The connection has to be done in accordance to the terminal assignment. This varies depending on the diameter and power supply(s).



### Technical unit / Canopy



Wiring Key Points	
1.	This product shall be installed by a qualified electrician.
2.	Make sure the main power supply to the driver is turned off when wiring either the LEDs or driver.
3.	LEDs shall be wired in parallel as shown in wiring diagram. CAUTION: incorrect wiring may damage LEDs.
4.	Wire shall be #18AWG stranded minimum. Large gauge wire shall be used to limit voltage drop in order to maintain the proper operating voltage. Take every precaution to avoid interference from other electrical circuits and equipment.
5.	Dimming circuits are more sensitive to voltage drop and electrical interference from other electrical sources.
6.	Isolating LED wiring by dedicated circuit for each control zone is recommended.
7.	Contractor shall verify the fixture quantities connected to the driver are compatible with the driver's specifications prior to energizing the circuit.
8.	All Class II power cable remote wiring and driver enclosures by others.
<b>LED's can be permanently damaged if these points are not followed</b>	



Maximum wiring distance\*

Wire gauge	Load per driver		
	≤48W	≤72W	≤96W
#18AWG	37'	25'	18'
#16AWG	59'	39'	29'
#14AWG	95'	63'	47'
#12AWG	151'	101'	75'
#10AWG	241'	160'	120'

\* Voltage drop guide for 24VDC. Actual Voltage drop to be calculated by installer.