



**Towering above  
the competition  
both day and night**

**TAKEEX**  
Formerly **PULNiX**

**TAKEEX America, Inc.**  
3350 Montgomery Drive  
Santa Clara, CA 95054  
Toll Free: 1-877-371-2727  
Phone: 408-747-0100  
Fax: 408-734-1100

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

## The Choice of Professionals Worldwide.

### Quality, Performance, Reliability

Our number one priority at TAKEEX is quality. Each photoelectric beam sensor shares consistent features and technology whether it is our value priced TK series or our top-of-the-line PB-IN-HF series. The double modulated and pulsed infrared light source provides exceptional resistance to foreign IR light sources or fluorescent light sources that can fool other brands of photo beams allowing potential circumvention. Every single Takex photoelectric beam sensor offers 50,000 Lux of external light rejection reducing potential false alarms due to headlights or sunlight. When perimeter detection in all weather conditions is paramount we make available the COM-IN-50HF combination photoelectric beam & microwave sensor that is not affected by rain, snow or even fog.

All TAKEEX security sensors are made in Japan and we believe that quality control via manufacturing is an absolute priority. Having each sensor manufactured in Japan assures that the expected quality of the product is consistently delivered. Each security sensor is 100% "Hot Tested" prior to shipping, we do not batch test during a manufacturing product run, we hot test each and every sensor to ensure the highest reliability rate. Unlike some of our competitors we do not have a product segment manufactured in China merely to offer a low price higher margin product.

TAKEEX low voltage photoelectric beam sensors offer an operating voltage range of 10V to 30VDC that requires no polarity. Our photoelectric beams are also capable of operating off of AC power if needed. Each photoelectric beam also has a selectable N.O. / N.C. or Form "C" output relay. Our Intelligent Quad series beams have an Environmental Monitoring output in addition to Alarm and Tamper outputs, due to 4-channel frequency selection, they can also be stacked.

In today's perimeter security market you need not only incredible photoelectric beam performance but a reliable tower housing to mount these sensors within. TAKEEX now makes the BT and LT series photoelectric beam towers manufactured in Europe available in North America. Each tower is made of durable polycarbonate, aluminum and stainless steel to provide years of reliable performance. Whether the application is industrial, commercial or upscale residential, TAKEEX has a photoelectric beam tower to suit your needs. Our commitment to you, our customer, is quality products that have unsurpassed performance, reliability and exceptional value.

The legacy of PULNIX is alive and well under the brand name of TAKEEX. We are proud of our past and focused on the future.

# TAKEEX

Formerly **PULNIX**



**LT-1WM**

**LT-1**

### LAMP TOWERS

The LT series beam towers provide discreet use of perimeter photoelectric beams for both residential and commercial security applications. Each Lamp Tower is capable of housing either the TAKEEX TE or TK Twin series photoelectric beams.

Once a Lamp Tower is installed, the camouflaged photoelectric beams become unnoticeable by intruders, as well they do not become an aesthetic concern for the home or business owner. Additionally, the Lamp Towers illumination system provides light to where they have been installed. Lighting system can use low voltage garden lighting or standard high voltage lighting.

### TWIN BEAMS

**BT & LT Towers Compatible**

**TE Series Intelligent Small Twin Beams**  
Stack up to 4 Units!

PB-20TE 66' Outdoor / 132' Indoor Range  
PB-40TE 132' Outdoor / 264' Indoor Range  
PB-60TE 200' Outdoor / 400' Indoor Range

**TK Series "Value Priced" Small Twin Beams**  
PB-30TK 100' Outdoor / 200' Indoor Range  
PB-60TK 200' Outdoor / 400' Indoor Range  
PB-100TK 330' Outdoor / 660' Indoor Range

**BT Towers Compatible**

**ST Series "Value Priced" Large Twin Beam**  
PB-100ST 330' Outdoor / 660' Indoor Range

Note: Simulated product images and depicted protection areas are for illustration purposes only.

In partnership  
with:





# TAKEX

The Choice of Professionals Worldwide.

INFRARED BEAM LANTERN

## LT-1

TAKEX

## CHARACTERISTICS

### DISCRETION AND HARMONY

The aesthetic and discreet integration in any garden makes this security solution neither evident nor conspicuous to possible intruders. The provision of light and its deterrence factor is another obvious benefit.

### APPEARANCE AND CONSTRUCTION

LT-1's external structure is made of a special polycarbonate based on three objectives: to allow the infrared beams to pass through easily, to protect these beams against solar and ultraviolet radiation and to have a strong product able to resist acts of vandalism. The overall appearance is a Black Garden Lantern that disguises the placement of the photoelectric beams.

LT-1's internal structure consists of an extruded aluminum profile, giving total flexibility in the positioning of the Twin infrared beams as well as other accessories such as the thermostat, heaters, etc.

### TOTAL FLEXIBILITY

LT-1 is a product that solves a number of aesthetic problems installers encounter when they offer a perimeter protection system.

The towers can either be mounted directly onto the floor or using the optional floor bracket (LT-FB) designed to be set into concrete.

The structure comfortably enables the installation of up to 3 TAKEX Twin beam units, in any Tx and Rx combination.

### TAMPER PROTECTION

The tops are supplied with a tamper switch as standard to prevent any sabotage.

### HEATERS

In order to obtain optimal performance in external environments with low temperature conditions and condensation risk, the tower should be fitted with at least one heater.

### MOUNTING KIT

A mounting kit including expandable bolts is included with lamp: Stainless screws, nylock nuts, expanding bolts, ceramic bulb holder, etc.

LT-1 Garden lamp tower is a simple and discreet enclosure, suitable to be installed in any garden or similar environment. The LT-1 can accommodate the TAKEX TE and TK series twin photoelectric beams.

The unobtrusive design of the LT-1 means that it blends into the surroundings naturally. The provision of a functional light adds illumination during nighttime hours.



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## DIMENSIONS

**External pole :** Ø10cm. (3.94").  
**Top cap:** 25cm. (9.84").  
**Height :** 100cm. (3' 3.4").  
**Base diameter:** 27cm (10.63")  
**Weight :** 3.9Kg.

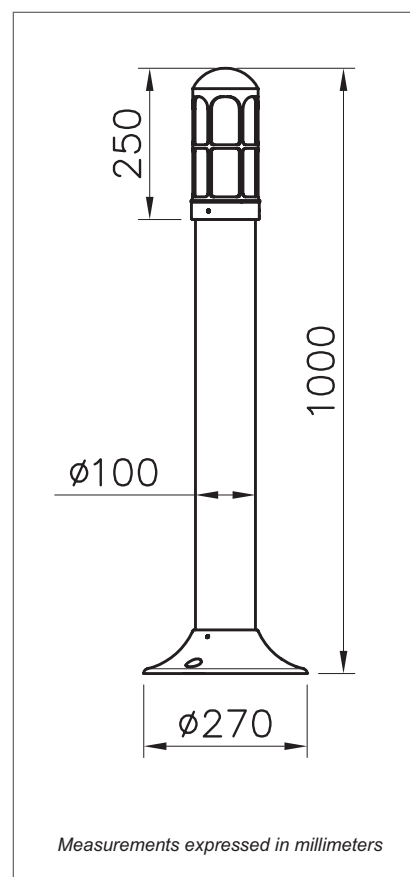
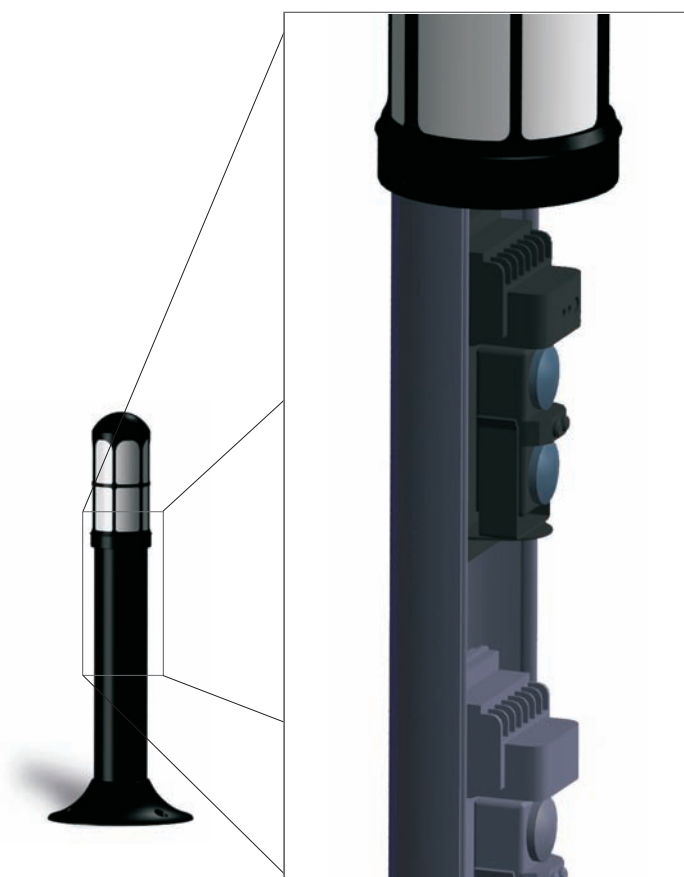
## OPTIONAL ACCESSORIES

**LT-FB:** Floor bracket  
**BT-HK12:** Heater Kit.  
**LT-1-2:** Two LT-1 units per box.

## MATERIALS

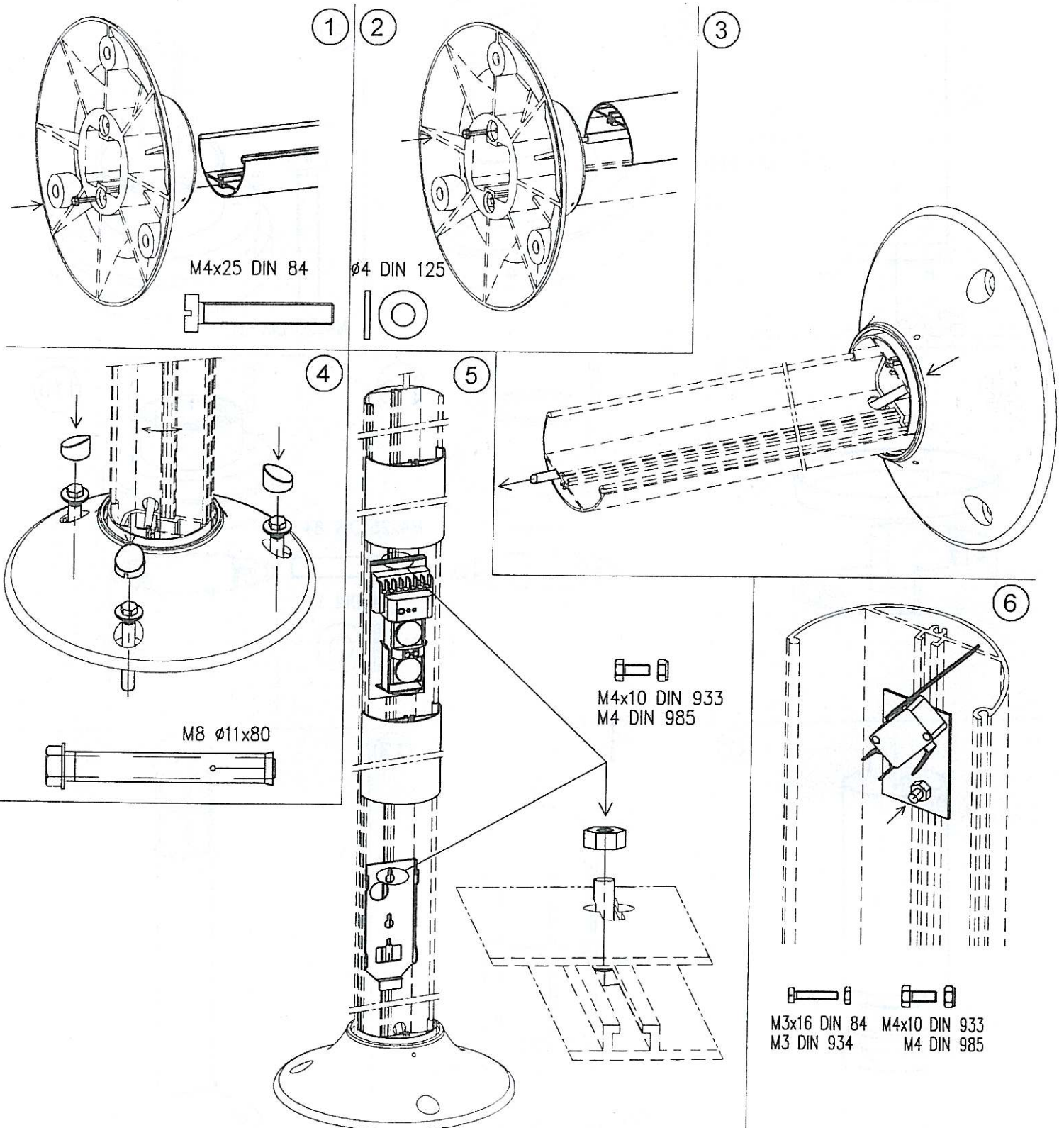
- Aluminum structure.
- Black Polycarbonate tube with UV treatment.
- ABS fixing base.
- Polycarbonate top cap.
- Ceramic bulb holder.

*\* Bulb not included. Use only **low wattage** bulbs*



Due to on going product improvements, specifications may change without notice.

**Note:** This sensor is designed to detect movement and to trigger a relay. It is not a burglar-preventing device. TAKEX is not responsible for damages or losses caused by accidents, thefts, acts of God (including inductive lightning), abuse, misuse, abnormal use, faulty installation or improper maintenance.



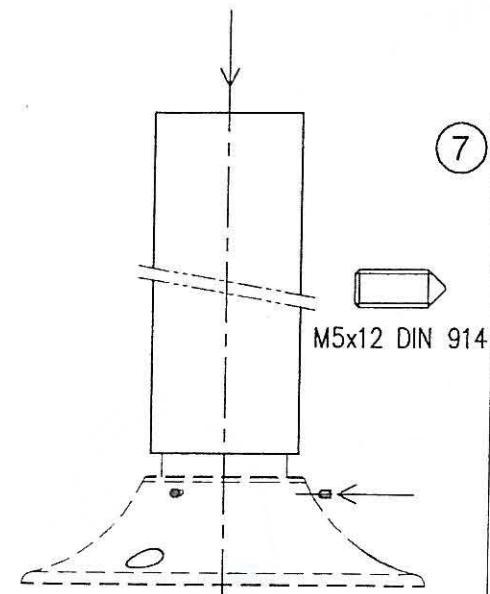
- 1-Fijar columna en la base
- 2-Fijar "refuerzo base"
- 3-Insertar cable y hacer conexiones electricas
- 4-Fijar la columna al suelo orientada ya en su posicion definitiva
- 5-Fijar placas Rx - Tx y los refuerzos centrales
- 6-Fijar el tamper

- 1-Fix column in the base
- 2-Fix "bracket base"
- 3-Insert cable and connect it
- 4-Fix column in the floor already in their definitive position
- 5-Fix Rx-Tx mounting plate and central bracket
- 6-Fix the tamper switch

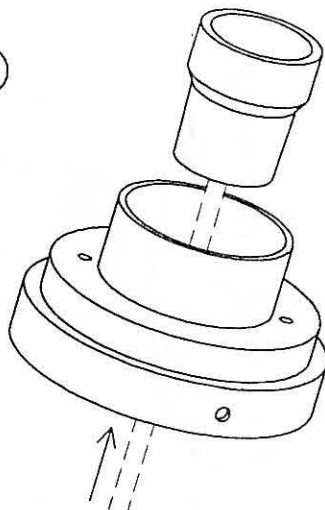
- 1-Fixer membrane adh sive
- 2-Fixer renfort base
- 2-introduire c ble et faire connexions  lectriques
- 4-Fixer colonne au sol orient  en sa position final
- 5-Fixer plaque posterieur Rx-Tx et les renforts centraux
- 6-Fixer tamper

- 1-Fissare colonna alla base
- 2-Fissare rinforzo base
- 3-Inserire cavo e fare le connessioni elettriche
- 4-Fissare colonna al suolo orientata nella sua posizione definitiva
- 5-Fissare placca posteriore Rx-Tx e i rinforzi centrali
- 6-Fissare il tamper

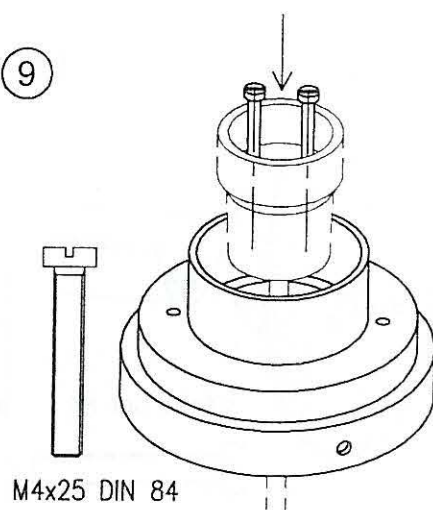




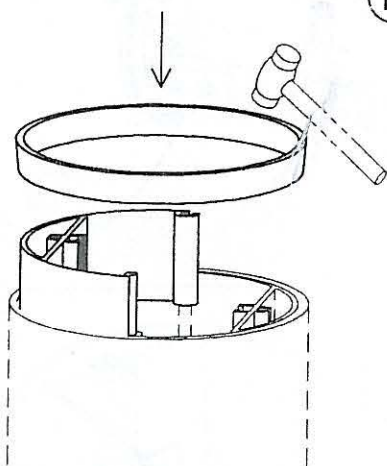
7 8



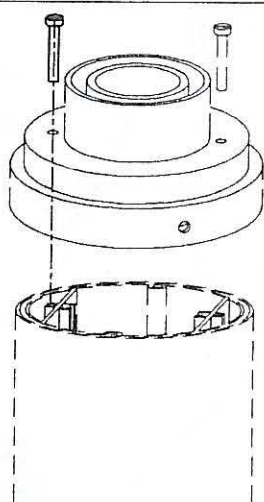
9



10



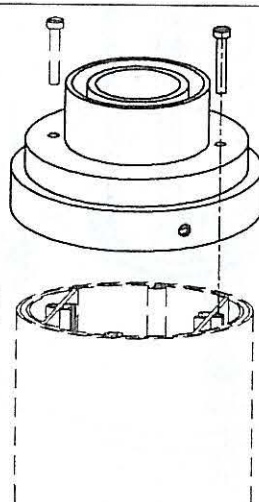
11a



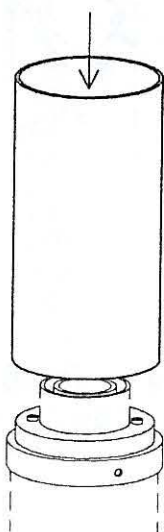
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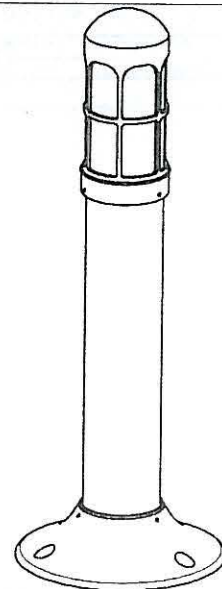
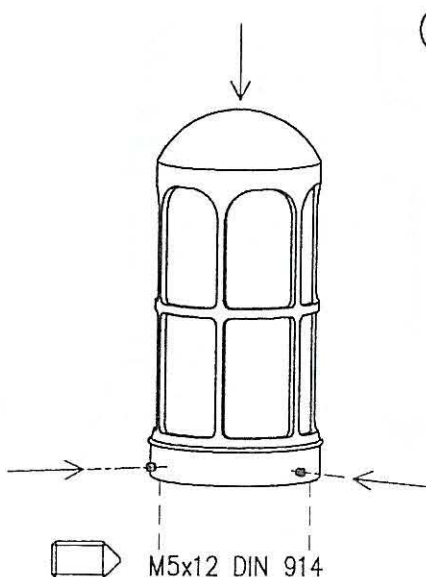
11b



12



13



7a-Poner tubo de policarbonato y fijarlo en la base

8-Connectar el casquillo, haciendo pasar el cable en el cuello

9-Fijar el casquillo al cuello

10-Insertar separador y refuerzo cuello

11-Fijar el cuello:

a) con el refuerzo cuello

b) a la columna

12-Insertar tubo transparente

13-Insertar tapa y fijarla al cuello

7-Insert the perspex tube and fix it in the base

8-Connect the case, making pass the cable in the neck

9-Fix the case in the neck

10-Insert ring and neck bracket

11-Fix the neck:

a) with the neck bracket

b) at the column

12-Insert transparent tube

13-Insert cover and fix it at the neck

7-insérer le tube de polycarbonate et le fixer dans la base

8-conetter la porte-lampe en faisant passer le câble dans le cou

9-Fixer la porte-lampe dans le cou

10-Insérer le bague y le renfort cou

11-Fixer le cou:

a) avec le renfort cou

b) à la colonne

12-Insérer tube transparent

13-Insérer le clapet et le fixer au cou

7-Inserire il tubo di policarbonato e fissarlo nella base

8-Connettere il portalampe, facendo passare il cavo nel collo

9-Fissare il portalampe nel collo

10-Inserire anello e rinforzo collo

11-Fissare il collo:

a) col rinforzo collo

b) alla colonna

12-Inserire tubo trasparente

13-Inserire il tappo e fissarlo al collo