



# Catalogo generale



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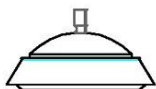
Urban



Ø 870

h 130

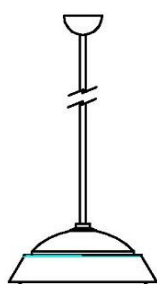
CT60/VP



Ø 870

h 130

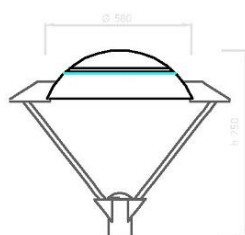
CT60/VP/A1



CT60/VP/T

Ø 870

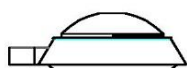
h 130



CX60/VP

Ø 580

h 750

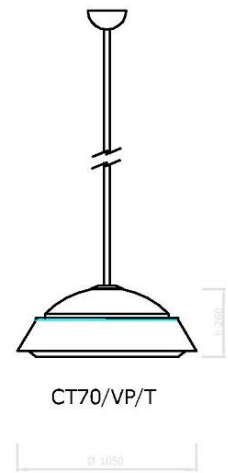
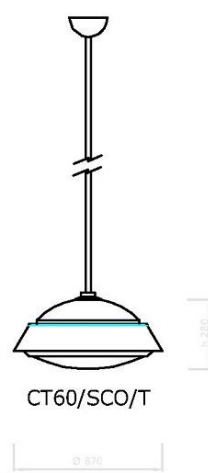
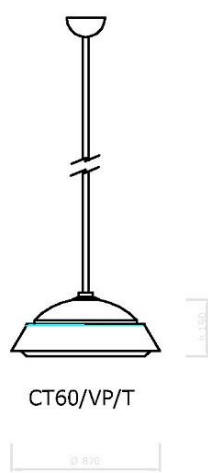
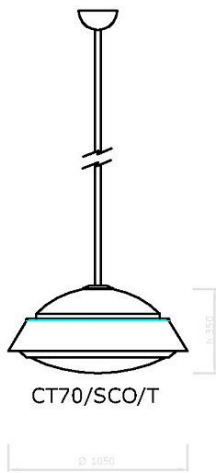


Ø 870

h 130

CD60/VP/B

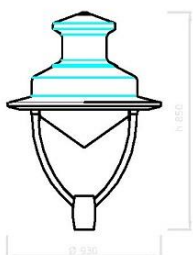
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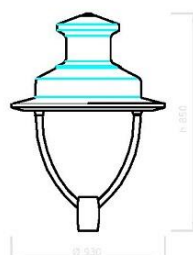
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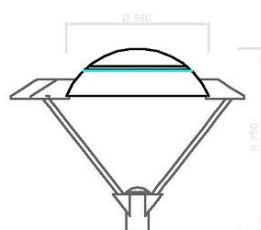
AP60/C



AP60/P



AP60/VP



CX60/VP



AC60/C



AC60/P



AC60/VP



SP40



SA40

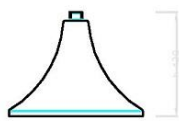


SP50

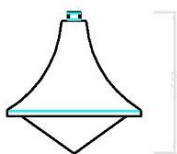


SA50

## Classic



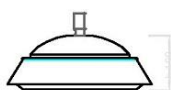
AG54



AG55



CT60/VP



CT60/VP/A1

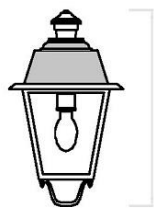


CD60/VP/B



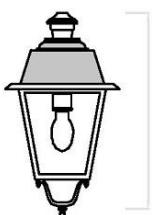
CT70/VP

## Classic



410

LV40



410

LV40/S



410

LV40/P



410

LV40/CO



410

LV40/S/CO



410

LV40/CO/E



410

LV40/S/CO/E



350

LV30



350

LV30/S



350

LV30/P



350

LV30/CO/E



350

LV30/S/CO/E



350

LV30/V



350

LV30/S/V

## Classic

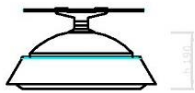


LV30es

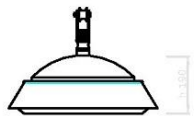


GIANO

## Road



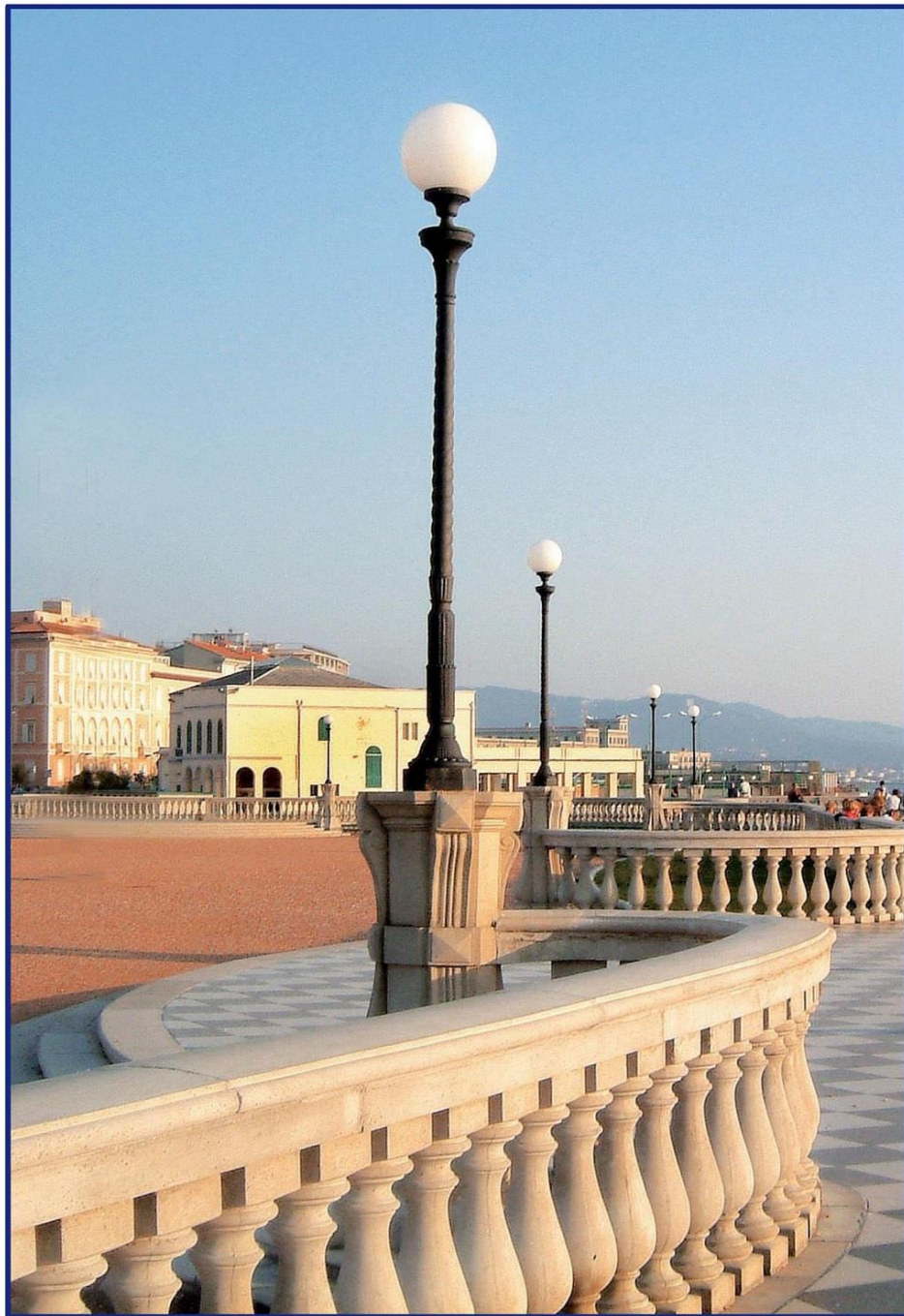
CT60/VP/S



CT60/VP/S1

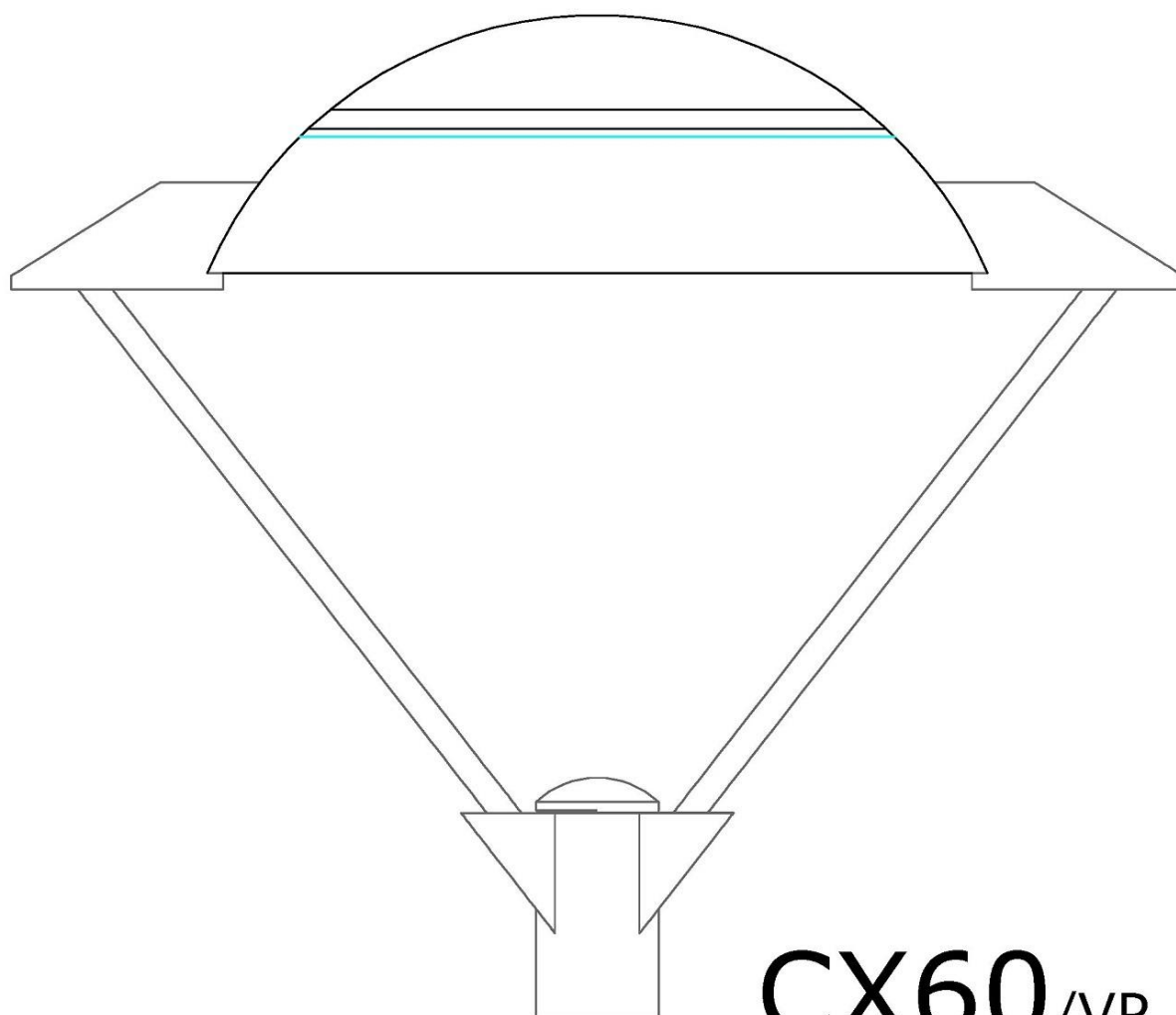












**CX60**<sub>/VP</sub>



## Famiglia CX60

### Descrizione tecnica

Calotta superiore in pressofusione di alluminio. Corona inferiore in pressofusione di alluminio UNI 5076. Anello interno apribile per l'accesso al vano elettrico ed al vano lampada in pressofusione di alluminio, predisposto per l'apertura rapida senza l'uso di attrezzi. Elemento di sostegno costituito da un supporto testa palo in fusione di alluminio con innesto per palo Ø 60 mm, portante n° 4 tubi in acciaio Inox AISI 304 Ø 20 mm satinati e disposti a V su 180°. Doppio attacco laterale in fusione di alluminio sul corpo dell'apparecchio. Predisposizione accessori elettrici su piastra rimovibile. Vetro inferiore trasparente temperato spessore 5 mm.

Gruppo ottico stagno ed asimmetrico ad alto rendimento, costituito da un riflettore in alluminio 99.85%, stampato prismatizzato, anodizzato e brillantato, reso ermetico con il relativo vetro tramite sigillatura inalterabile. Ispezione al vano lampada tramite otturatore ad innesto rapido costruito da materiale isolante contenente il portalampada. Guarnizione di tenuta in gomma siliconica. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato per lampade a scarica eseguito con cavo in isolamento siliconico, e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura comprende la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore grigio sabbia 900 satinato ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø 580 x h<sub>totale</sub> 750 mm.
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 66
- Grado di protezione vano accessori: IP 44
- Classificazione fotometrica: CUT-OFF
- Marcatura: CE

**Tabella codici cablaggio CX 60**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **CX60.250W2JM** = corpo illuminante CX60 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 250W isolato in classe 2.

## CX60 Series

### Technical Description

The upper calotte made by aluminium pressure casting, the lower calotte made by UNI 5076 aluminium pressure casting. The inside ring, made by aluminium pressure casting, can be opened, tool less, for quick access and inspection to the electric and lamp compartment. Mounting element made of a support at the top of the pole, built in aluminium casting, with coupling for pole Ø 60 mm, bearing n° 4 AISI 304 glazed stainless steel tubes, Ø 20 mm, arranged in V form at 180°. Double lateral attachment in aluminium casting on the body of the fitting. Electric accessories prearranged on removable plate. Lower transparent and tempered glass, thickness 5 mm.

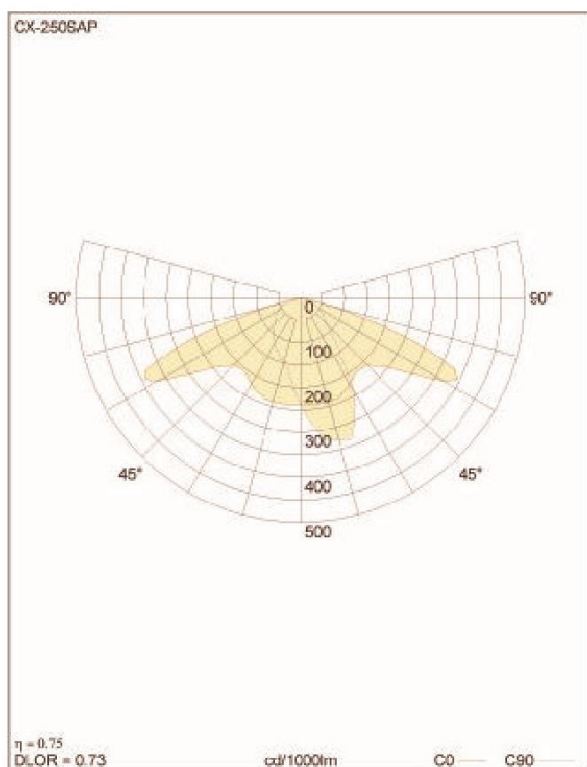
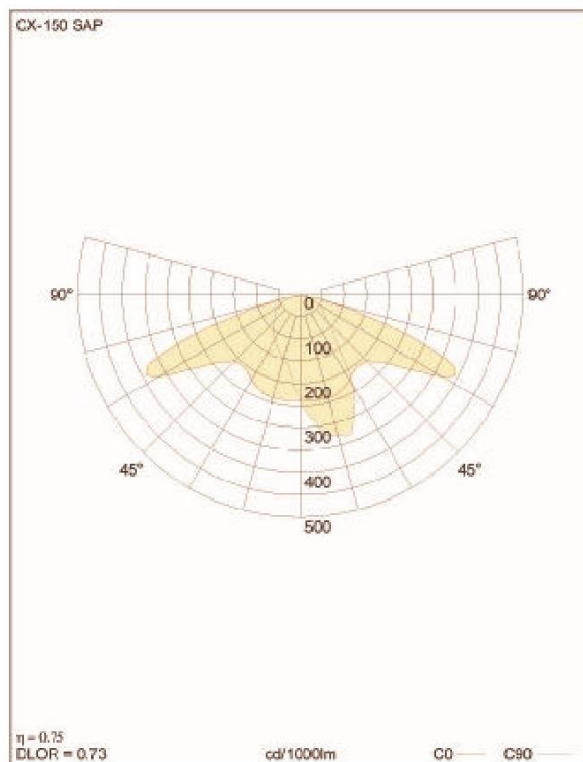
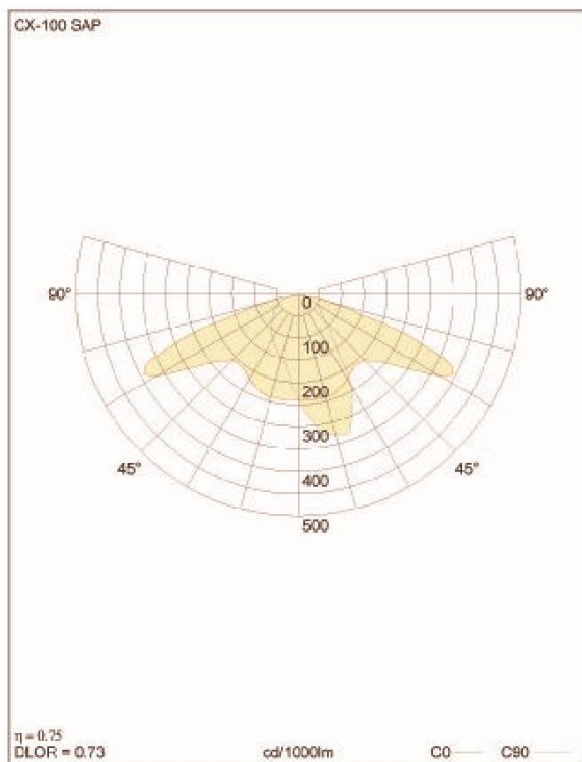
Sealed, asymmetrical, high-efficiency optic group, constituted by a pressed reflector in anodized and polished aluminium degree of pureness 99.85%, made with the relative glass hermetic through unalterable sealing. Inspection to the lamp compartment through quick engagement bolt built by insulating material containing the lamp holder. Silicone rubber seal. Lamp holder E27 ÷ E40 750V. Stainless steel bolts and screws. Internal phase-improved electric wiring for discharge lamps using silicone insulation cable, and electrical components from selected and certified leading brands.

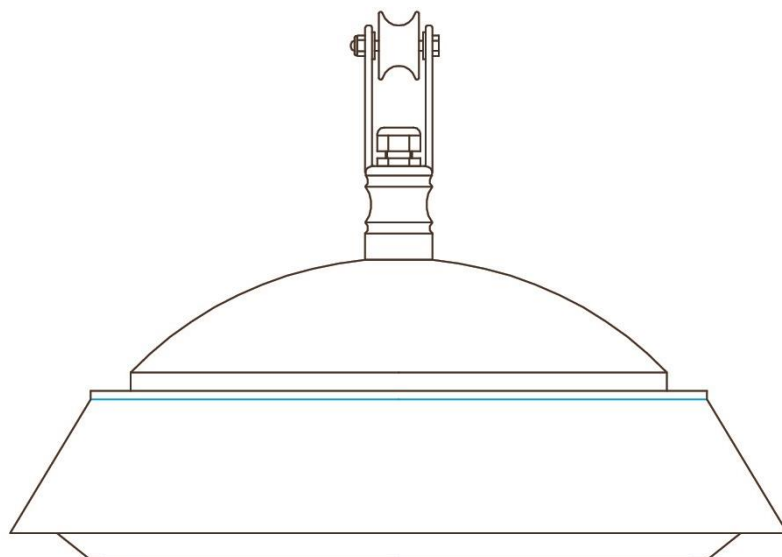
- The final treatment include the phosphating and chromatizing bath, while the shotblasting for casting elements, then the electrostatic painting with polyester powder, the standard colour is sandy grey 900 glazed and finally the thermopolymerization in the furnace at 180°C.
- Sizes: Ø 580 x h<sub>overall</sub> 750 mm.
- Insulation class: I - II
- Level of protection for lamp compartment: IP 66
- Level of protection for accessories compartment: IP 44
- Photometric classification: CUT-OFF
- Mark: CE

**Tables of wiring codes CX 60**

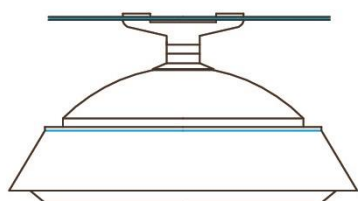
| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **CX60.250W2JM**; that means: luminaire CX60 type wired with electric equipment for metal halide lamp of the power of 250W insulation class 2.



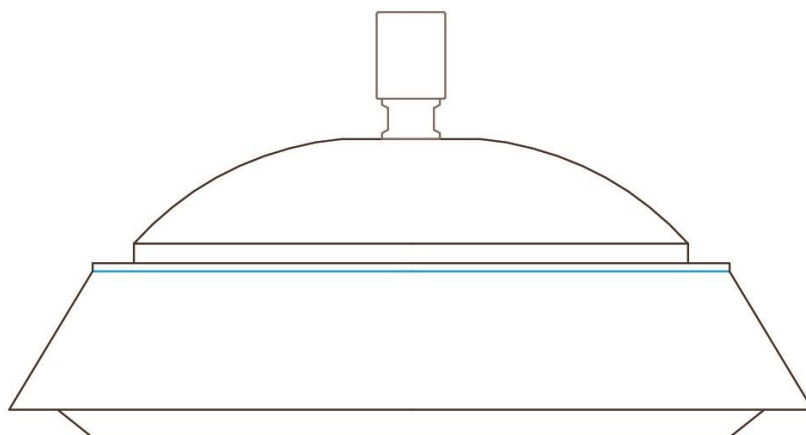


# CT60/VP/S1

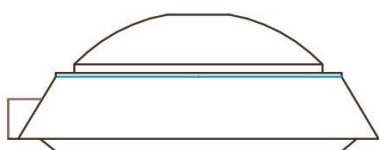


CT60/VP/S

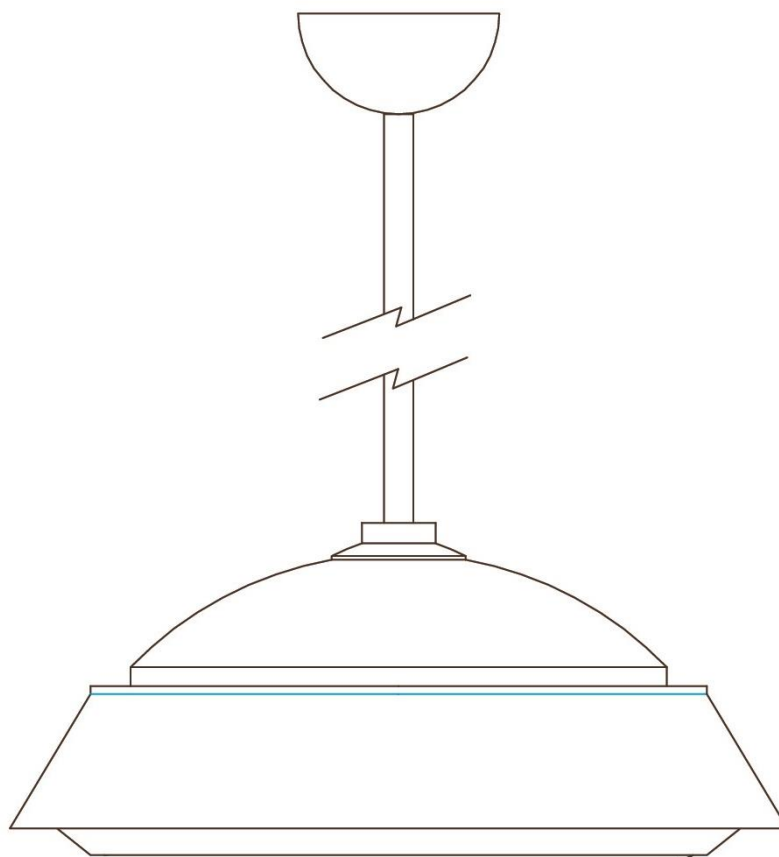




# CT60/VP/A1



CT60/VP



CT60<sub>/VP/T</sub>

## Famiglia CT60

### Descrizione tecnica

Calotta superiore in pressofusione di alluminio. Corona inferiore in pressofusione di alluminio UNI 5076, predisposta per attacco laterale su apposito braccio. Anello interno apribile per l'accesso al vano elettrico ed al vano lampada, in pressofusione di alluminio predisposto per apertura rapida senza attrezzi. Predisposizione accessori elettrici su piastra removibile. Vetro inferiore trasparente temperato.

Gruppo ottico stagno, asimmetrico, ad alto rendimento, costituito da un riflettore in alluminio 99.85%, stampato prismaticizzato, anodizzato e brillantato, reso ermetico con il relativo vetro tramite sigillatura inalterabile. Ispezione al vano lampada tramite otturatore ad innesto rapido, costruito in materiale isolante, contenente il portalamпада. Guarnizione di tenuta in gomma siliconica. Portalamпада E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato, per lampade a scarica, eseguito con cavo a isolamento siliconico, e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore grigio sabbia AKZO 900 satinato, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø 580 x 190 h mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 66
- Grado di protezione vano accessori: IP 44
- Classificazione fotometrica: CUT-OFF
- Marcatura: CE

**Tabella codici cablaggio CT 60**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **CT60.250W2JM** = corpo illuminante CT60 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 250W isolato in classe 2.

## CT60 Series

### Technical Description

The upper calotte made by aluminium pressure casting, the lower calotte made by UNI 5076 aluminium pressure casting, predisposed for side attack on special arm. The inside ring, made by aluminium pressure casting, can be opened, tool less, for quick access and inspection to the electric and lamp compartment. Predisposition of the electric accessories on removable plate. Lower transparent and tempered glass.

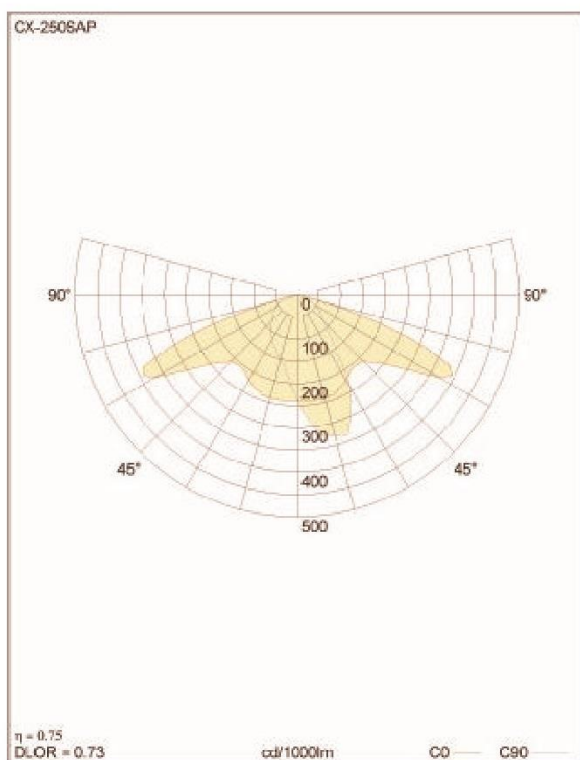
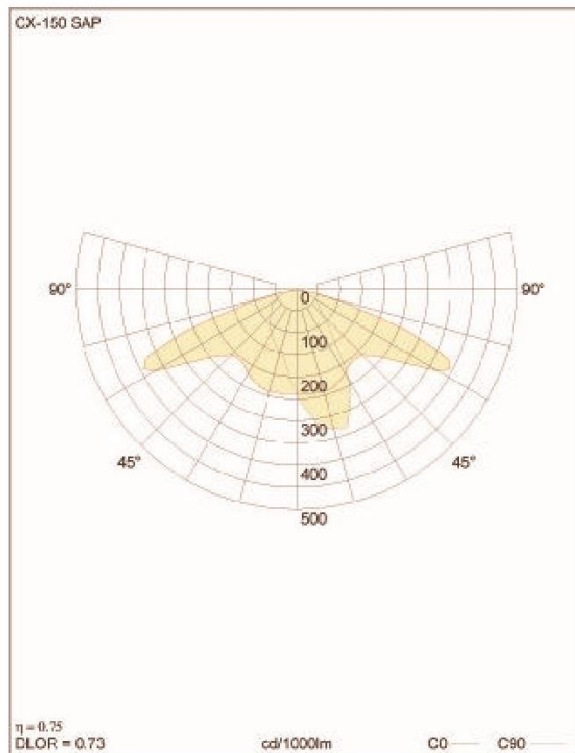
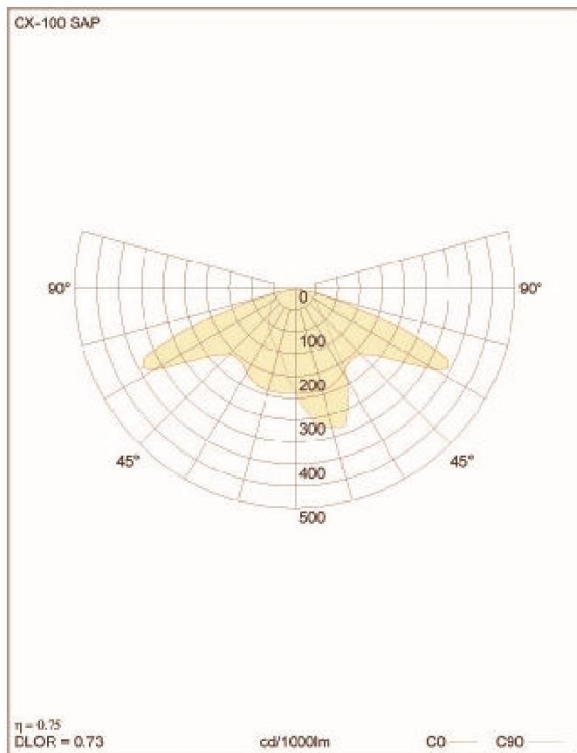
Sealed, asymmetrical, high-efficiency optic group, constituted by a pressed reflector in anodized and polished aluminium degree of pureness 99.85%, hermetic with the glass by enduring seal. Inspection to the lamp compartment through quick engagement bolt built by insulating material containing the lamp holder. Silicone rubber seal. Lamp holder E27 ÷ E40 750V. Stainless steel bolts and screws. Power factor corrected inside electric wiring for discharge lamps using silicone insulation cable, and electrical components from selected and certified leading brands.

- The final treatment include the phosphating and chromating the electrostatic painting with polyester powder, the standard colour is AKZO sandy grey 900 glazed and finally the polymerization in the furnace at 180°C.
- Sizes: Ø 580 x 190 h mm
- Insulation class: I - II
- Level of protection for lamp compartment: IP 66
- Level of protection for accessories compartment: IP 44
- Photometric classification: CUT-OFF
- Mark: CE

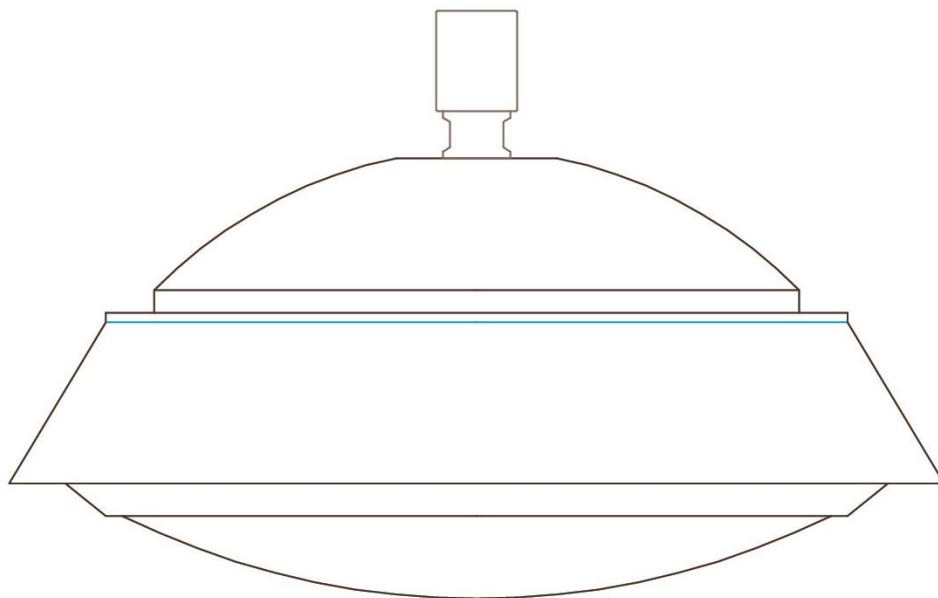
**Tables of wiring codes CT 60**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

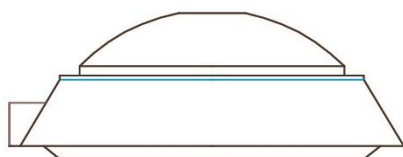
Coding example: **CT60.250W2JM**; that means: luminaire CT60 type wired with electric equipment for metal halide lamp of the power of 250W insulation class 2.



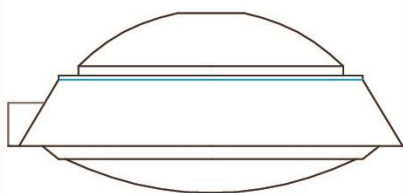




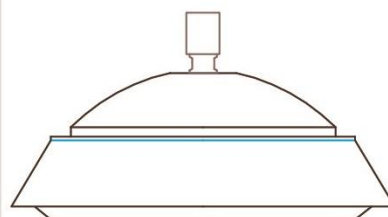
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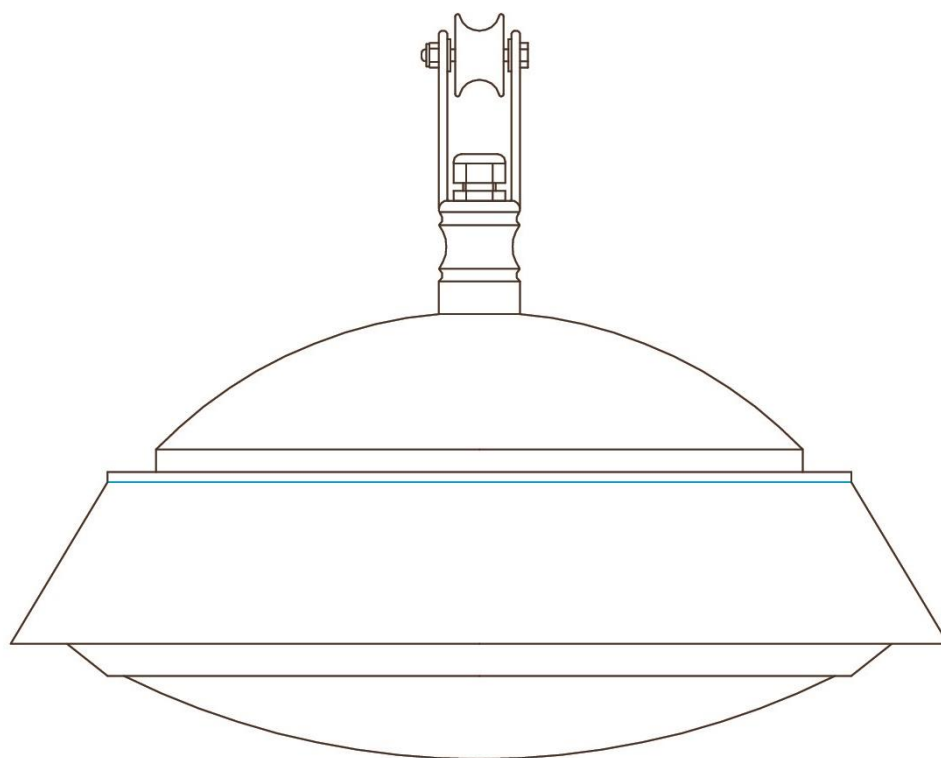
CT70/VP



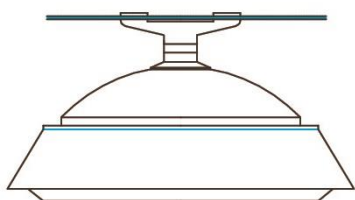
CT70/SCO



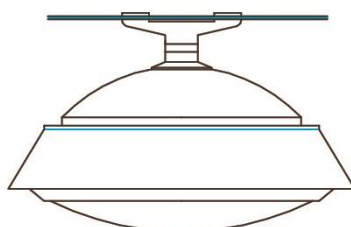
CT70/VP/A1



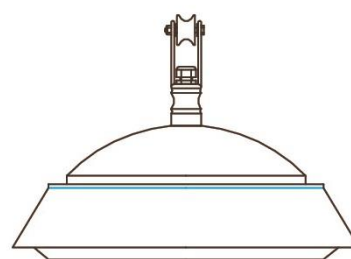
## CT70/SCO/S1



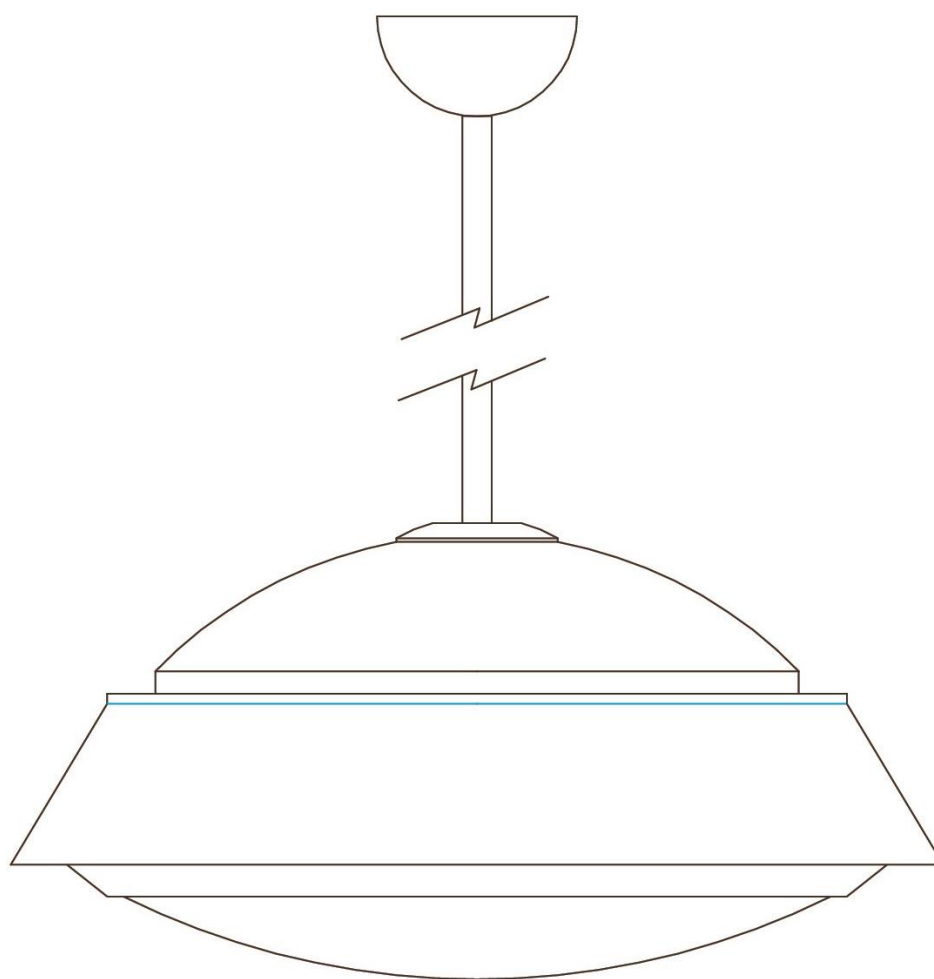
CT70/VP/S



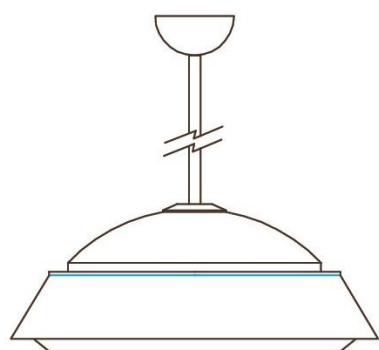
CT70/SCO/S



CT70/VP/S1



CT70/SCO/T



CT70/VP/T

## Famiglia CT70

### Descrizione tecnica

Calotta superiore in pressofusione di alluminio. Corona inferiore in pressofusione di alluminio UNI 5076, predisposta per attacco laterale su apposito braccio. Calotta superiore apribile per l'accesso al vano elettrico ed al vano lampada, in pressofusione di alluminio predisposto per apertura rapida senza attrezzi. Predisposizione accessori elettrici su piastra removibile. Vetro inferiore trasparente temperato.

Gruppo ottico stagno, asimmetrico, ad alto rendimento, costituito da un riflettore in alluminio 99.85%, stampato prismatizzato, anodizzato e brillantato, reso ermetico con il relativo vetro tramite sigillatura inalterabile. Ispezione al vano lampada tramite otturatore ad innesto rapido, costruito in materiale isolante, contenente il portalamпада. Guarnizione di tenuta in gomma siliconica. Portalamпада E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato, per lampade a scarica, eseguito con cavo a isolamento siliconico, e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore grigio sabbia AKZO 900 satinato, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø 700 x 260 h mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 66
- Grado di protezione vano accessori: IP 44
- Classificazione fotometrica: CUT-OFF
- Marcatura: CE

**Tabella codici cablaggio CT 70**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **CT70.250W2JM** = corpo illuminante CT70 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 250W isolato in classe 2.

## CT70 Series

### Technical Description

The upper calotte made by aluminium pressure casting, the lower calotte made by UNI 5076 aluminium pressure casting, predisposed for side attack on special arm. The inside ring, made by aluminium pressure casting, can be opened, tool less, for quick access and inspection to the electric and lamp compartment. Predisposition of the electric accessories on removable plate. Lower transparent and tempered glass.

Sealed, asymmetrical, high-efficiency optic group, constituted by a pressed reflector in anodized and polished aluminium degree of pureness 99.85%, hermetic with the glass by enduring seal. Inspection to the lamp compartment through quick engagement bolt built by insulating material containing the lamp holder. Silicone rubber seal. Lamp holder E27 ÷ E40 750V. Stainless steel bolts and screws. Power factor corrected inside electric wiring for discharge lamps using silicone insulation cable, and electrical components from selected and certified leading brands.

- The final treatment include the phosphating and chromating the electrostatic painting with polyester powder, the standard colour is AKZO sandy grey 900 glazed and finally the polymerization in the furnace at 180°C.
- Sizes: Ø 700 x 260 h mm
- Insulation class: I - II
- Level of protection for lamp compartment: IP 66
- Level of protection for accessories compartment: IP 44
- Photometric classification: CUT-OFF
- Mark: CE

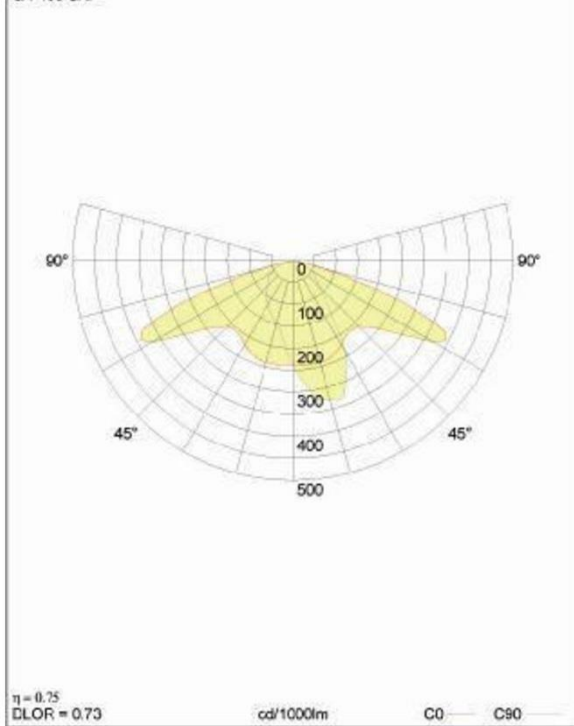
**Tables of wiring codes CT 70**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

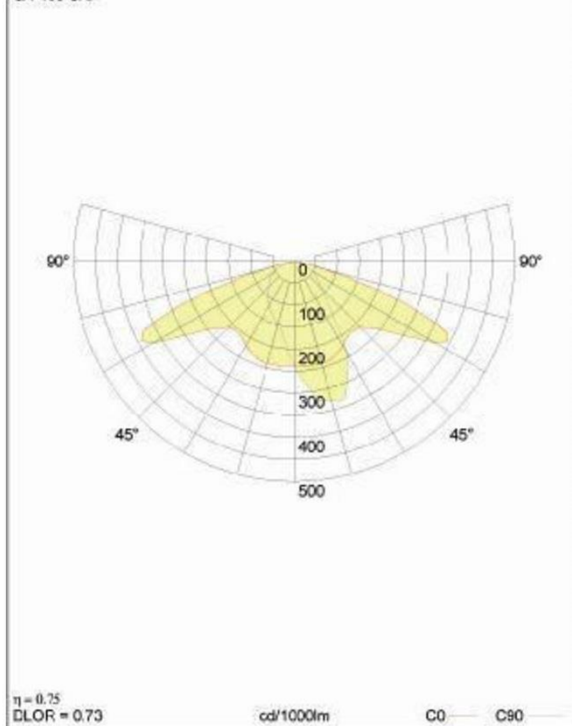
Coding example: **CT70.250W2JM**; that means: luminaire CT70 type wired with electric equipment for metal halide lamp of the power of 250W insulation class 2.



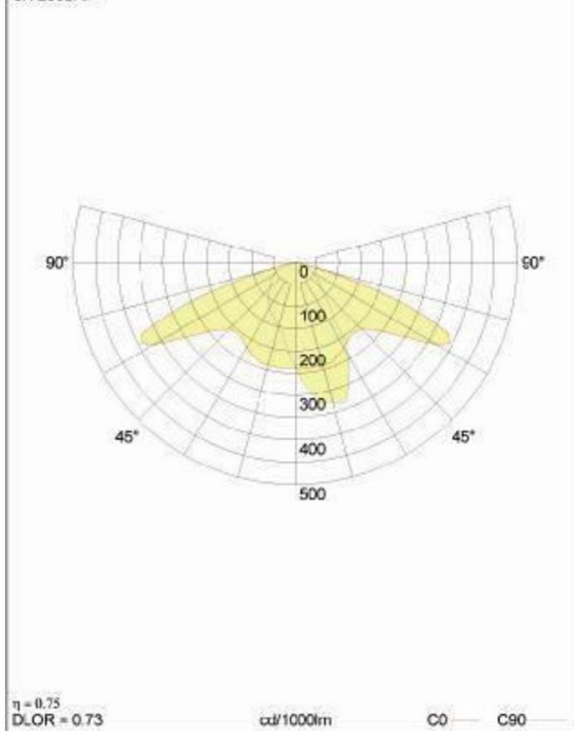
CX-100 SAP

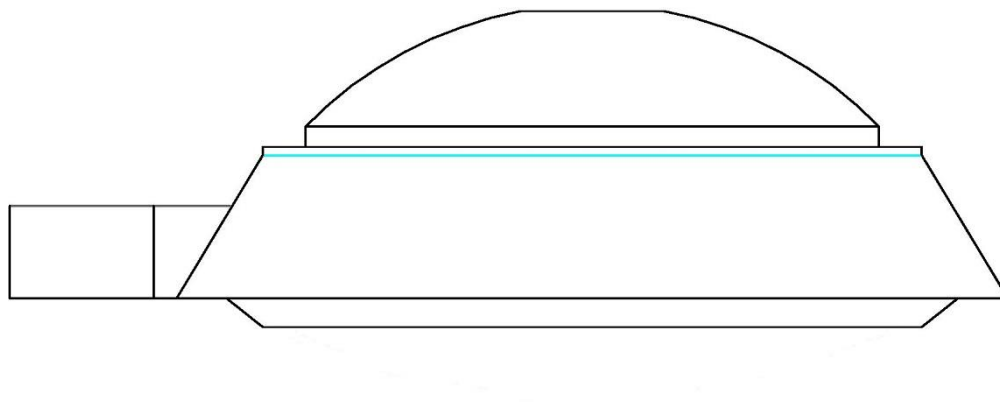


CX-150 SAP



CX-250SAP





**CD60**<sub>/VP/B</sub>

## Famiglia CD 60

### Descrizione tecnica

Calotta superiore in pressofusione di alluminio. Corona inferiore in pressofusione di alluminio UNI 5076, predisposta con adattatore testa palo a sezione quadra 80 x 80 mm, in acciaio zincato, con innesto per palo 60 Ø mm. Anello interno apribile per l'accesso al vano elettrico ed al vano lampada, in pressofusione di alluminio predisposto per apertura rapida senza attrezzi. Predisposizione accessori elettrici su piastra removibile. Vetro inferiore trasparente temperato, spessore 5 mm.

Gruppo ottico stagno asimmetrico, **ad alto** rendimento, costituito **da un** riflettore prismatizzato, stampato in alluminio 99.85%, reso ermetico con il relativo vetro tramite sigillatura inalterabile. Ispezione al vano lampada tramite otturatore ad innesto rapido, costruito in materiale isolante, contenente il portalampada. Guarnizione di tenuta in gomma siliconica. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato, per lampade a scarica, eseguito con cavo a isolamento silconico, e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore grigio sabbia AKZO 900 satinato, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø 590 x 190 h mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 66
- Grado di protezione vano accessori: IP 44
- Classificazione fotometrica: CUT-OFF
- Marcatura: CE

**Tabella codici cablaggio CD 60**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **CD60.250W2JM** = corpo illuminante CD60 cablato con equipaggiamento

## CD 60 Series

### Technical Description

The upper calotte made by aluminium pressure casting, the lower calotte made by UNI 5076 aluminium pressure casting, predisposed with pole head adaptor with square section 80 x 80 mm, built in galvanized steel, provided with coupling for pole Ø 60 mm. Openable inside ring for the access to the electric and lamp compartment, made aluminium casting and prearranged for quick inspection, no tools necessary. Predisposition electric accessories on removable plate. Lower transparent and tempered glass, thickness 5 mm..

Asymmetrical watertight optic group, to high-performance, constituted by a prismatic surface reflector pressed in aluminum, degree of pureness 99.85%, made with the relative glass hermetic through unalterable sealing. Inspection to the lamp compartment through bolt to rapid graft, built in insulating material and including the lamp holder. Silicone rubber seal. Lamp holder E27 ÷ E40 750V. Stainless steel bolts and screws. Power factor corrected inside electric wiring for discharge lamps using silicone insulation cable, and electrical components from selected and certified leading brands.

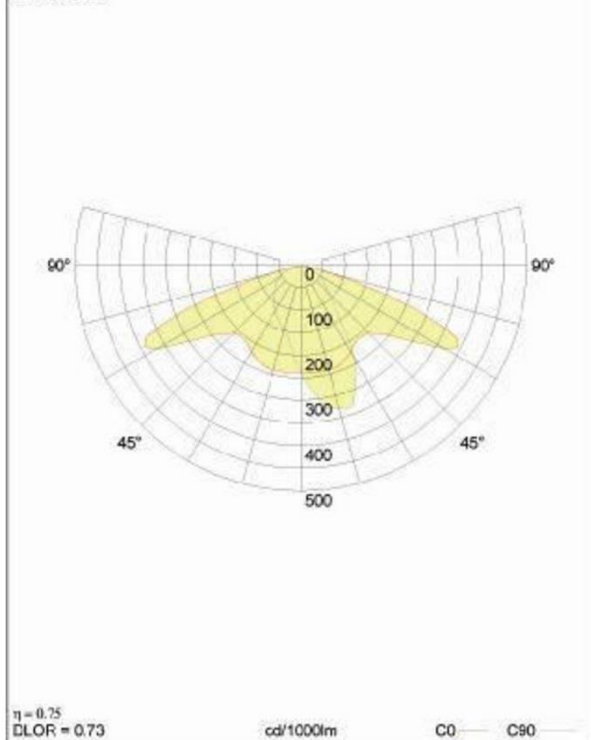
- The final treatment include the phosphating and chromatizing bath, then the electrostatic painting with polyester powder, the standard colour is AKZO sandy grey 900 glazed and finally the thermopolymerization in the furnace at 180°C.
- Sizes: Ø 590 x 190 h mm
- Insulation class: I - II
- Level of protection for lamp compartment: IP 66
- Level of protection for accessories compartment: IP 44
- Photometric classification: CUT-OFF
- Mark: CE

**Tables of wiring codes CD 60**

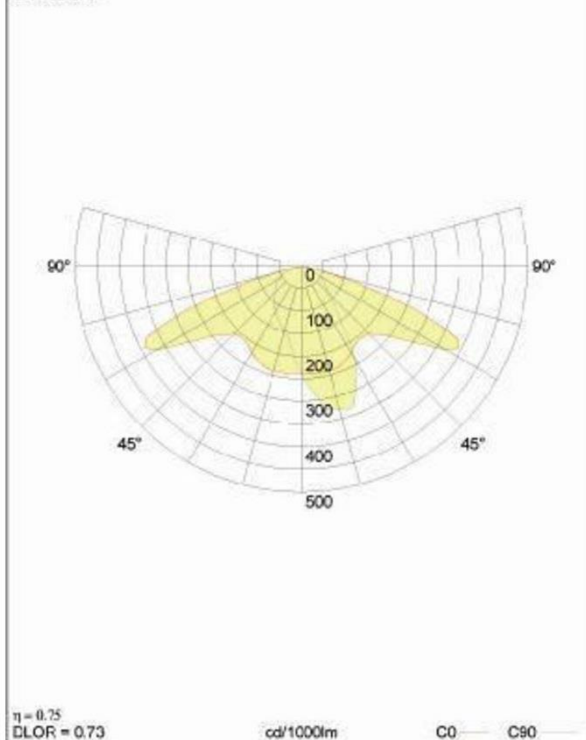
| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **CD60.250W2JM**; that means: luminaire CD60 type wired with electric equipment for metal halide lamp of the power of 250W insulation class 2.

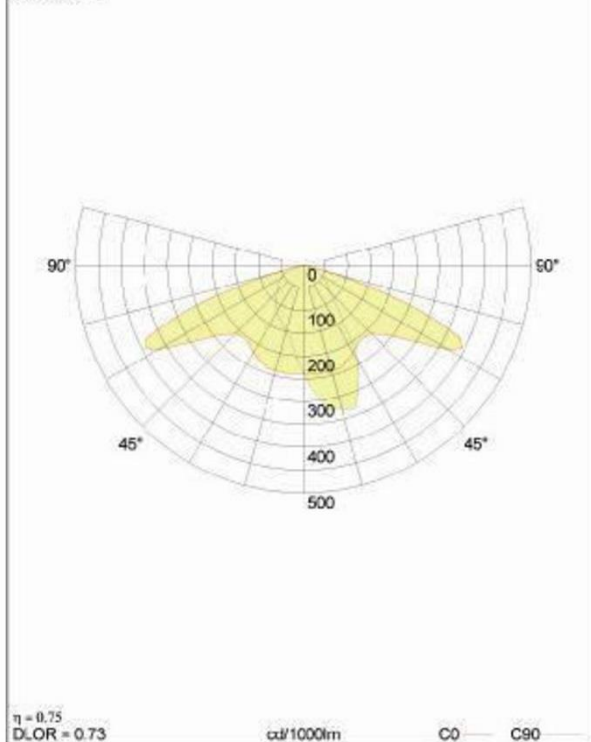
CX-100 SAP



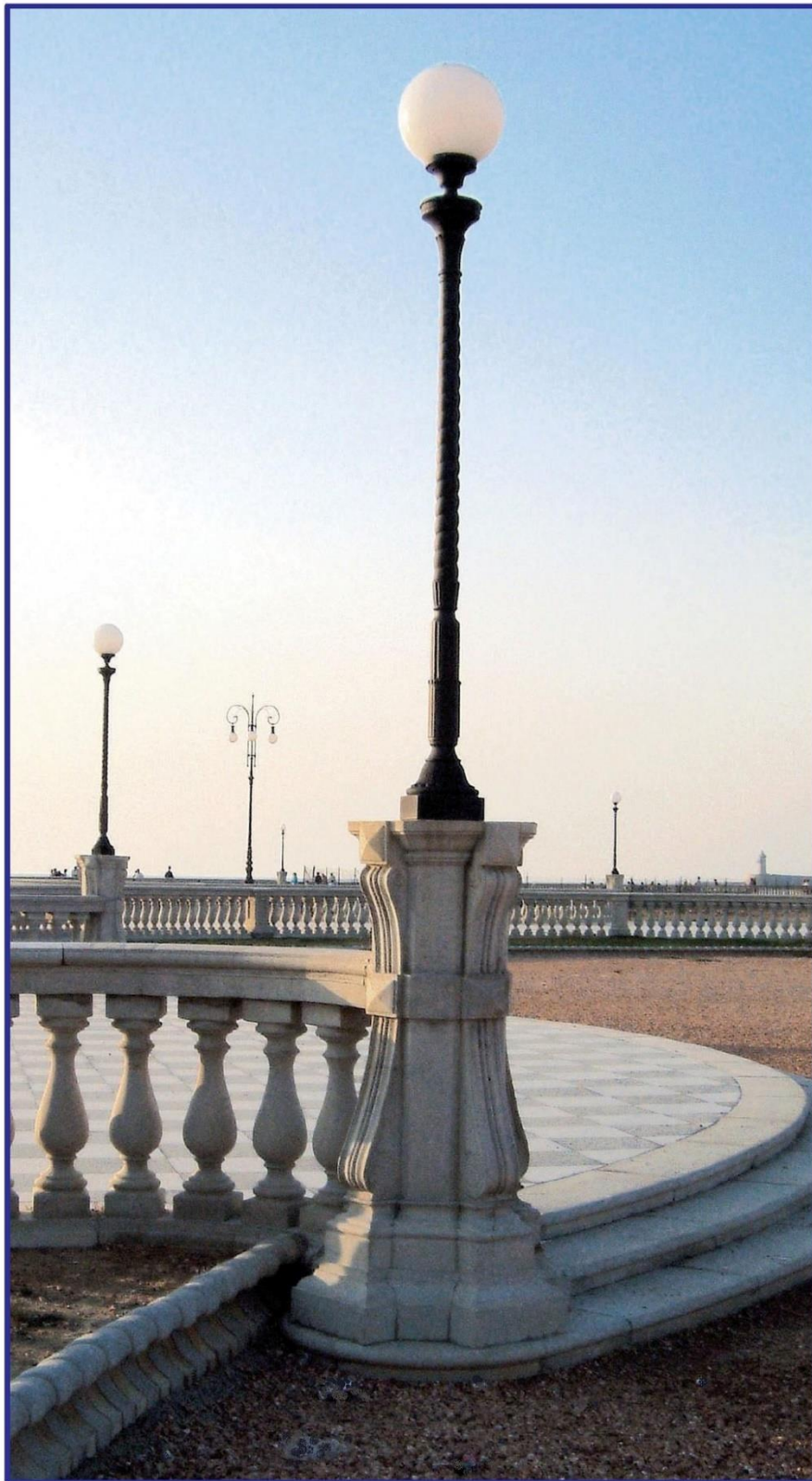
CX-150 SAP



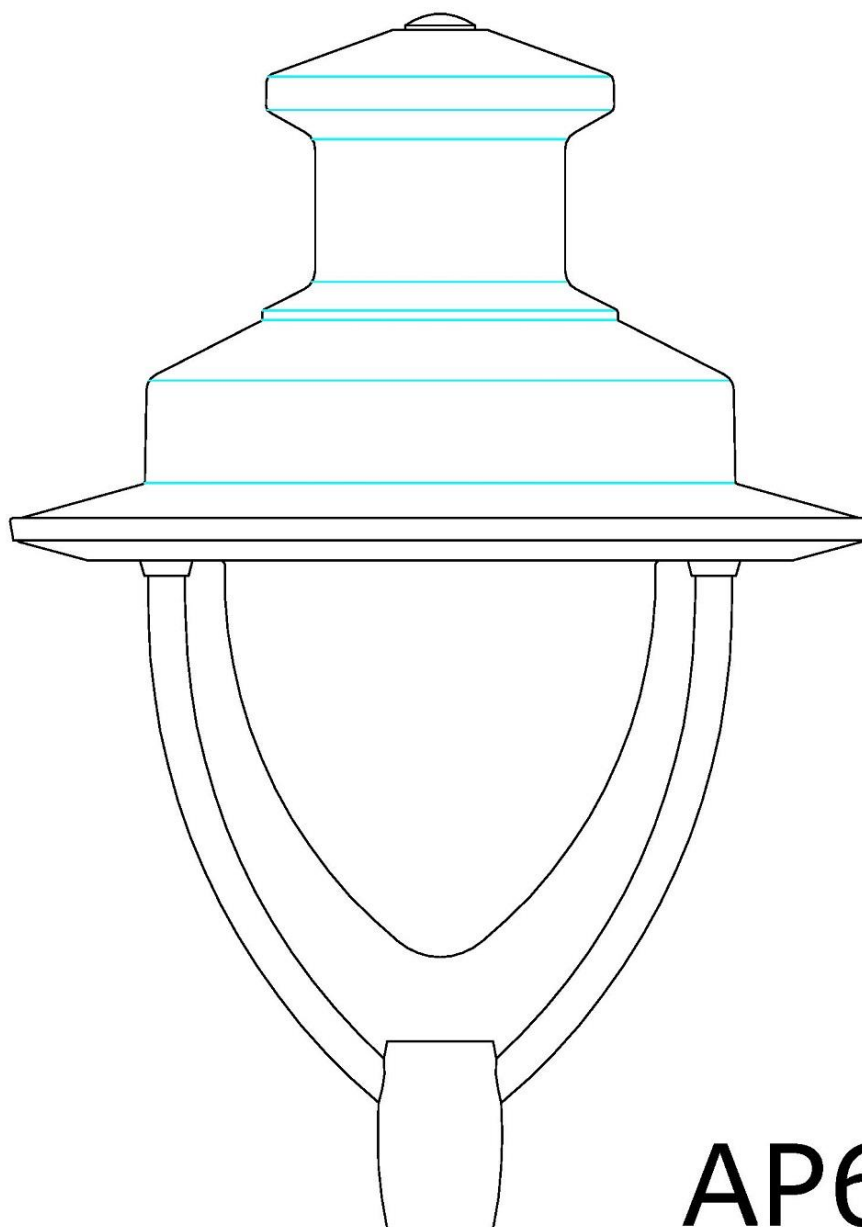
CX-250SAP



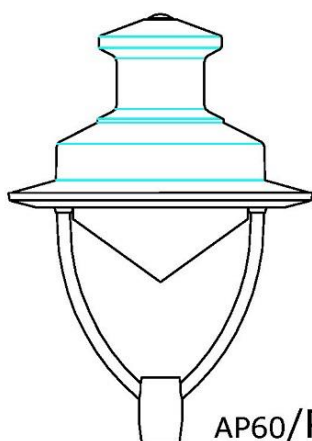




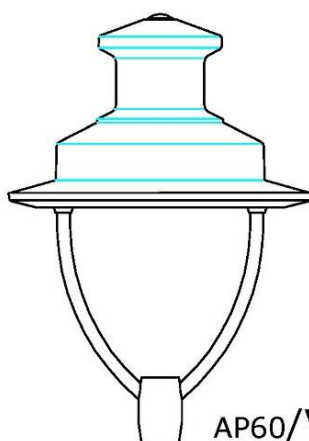




AP60<sub>/C</sub>



AP60<sub>/P</sub>



AP60<sub>/VP</sub>



## Famiglia AP 60

### Descrizione tecnica

Corpo in lastra di alluminio stampata di forte spessore, con rinforzi in pressofusione di alluminio. Gruppo ottico stagno tipo stradale asimmetrico ad alto rendimento, in alluminio 99.85% anodizzato e brillantato, e componenti elettrici entrambi installati su supporto in acciaio inossidabile rimovibile tramite gancio a molla. Coppa in polycarbonato trasparente stabilizzato agli U.V. autoestinguente V2 a punta o leggermente bombata o sostituita da vetro piano trasparente temperato, spessore 5 mm, resa ermetica con il relativo riflettore tramite sigillatura perimetrale inalterabile. Piastra porta ausiliari elettrici estraibile. Ispezione rapida alle parti elettriche, tramite pomello e cerniera laterale di ancoraggio. Cetra di sostegno in tubo  $\frac{3}{4}$ " gas zincato. Attacco per palo  $\varnothing$  60 mm in acciaio zincato. Portalampe E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato, per lampade a scarica, eseguito con cavo a isolamento siliconico, e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni:  $\varnothing$  620 x 850 h<sub>totale</sub> mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 66
- Grado di protezione vano accessori: IP 44
- Classificazione fotometrica: CUT-OFF
- Marcatura: CE

**Tabella codici cablaggio AP 60**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **AP60.150W2JM** = corpo illuminante AP60 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 150W isolato in classe 2.

## AP 60 Series

### Technical Description

Body in aluminum plate pressed of strong thickness sheet, with reinforcements in aluminum casting. The watertight asymmetrical road type high-performance optic group in aluminum, degree of pureness 99.85% anodized and polished and the electric components are both installed on the stainless steel support removable through a spring hook. Cup in transparent UV-stabilized, V2 self-extinguishing polycarbonate pointed shape or slightly rounded shape or replaced by transparent and tempered glass, thickness 5 mm, made hermetic with the relative reflector through perimeter enduring sealing. Electrical auxiliaries plate removable. Easy inspection of the electrical parts and of the lamp through knob and side zipper of anchorage. Fitting support in galvanized pipe  $\frac{3}{4}$ " gas. Connection for pole in galvanized steel  $\varnothing$  60 mm. Lamp socket E27 ÷ E40 750V. Stainless steel screws. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands.

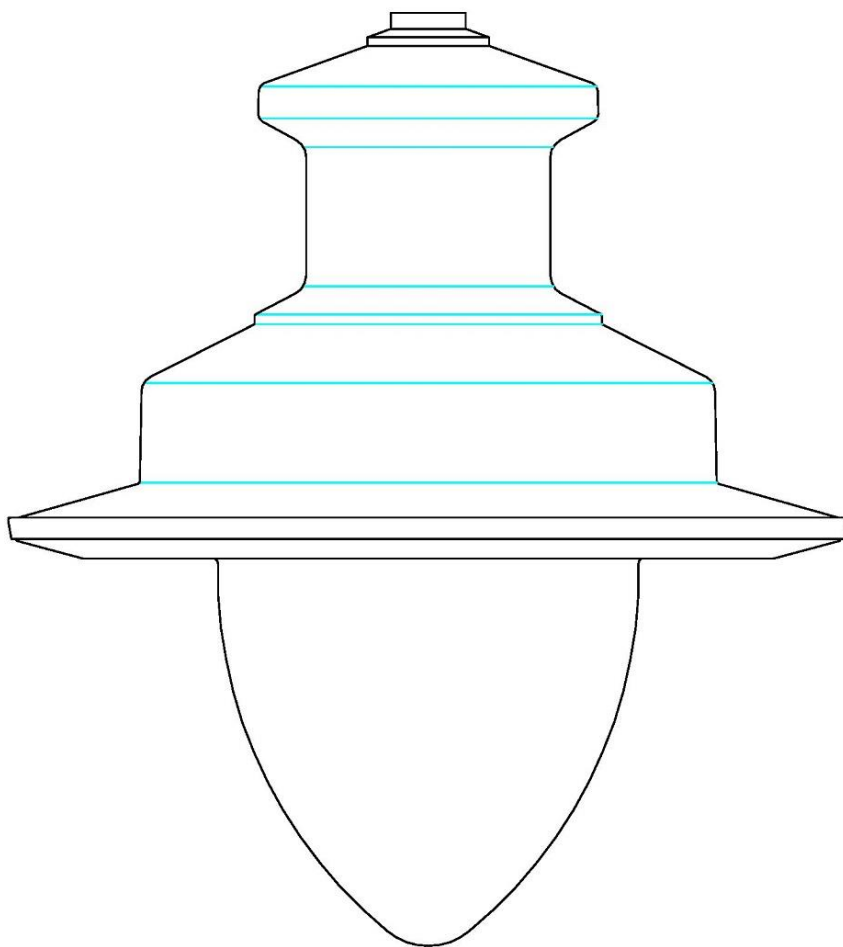
- The final treatment include the phosphating and chromatizing bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes:  $\varnothing$  620 x 850 h<sub>overall</sub> mm
- Insulation class: **I - II**
- Level of protection for lamp compartment: IP 66
- Level of protection for accessories compartment: IP 44
- Photometric classification: CUT - OFF
- Mark: CE

**Tables of wiring codes AP 60**

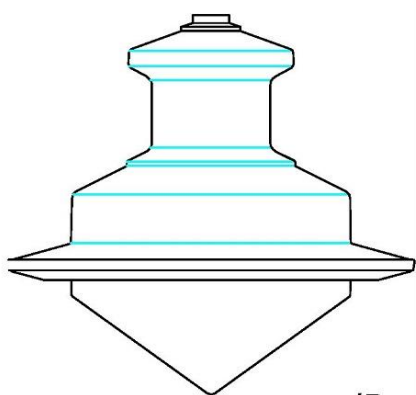
| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **AP60.150W2JM**; that means: luminaire AP60 type wired with electric equipment for metal halide lamp of the power of 150W insulation class 2.

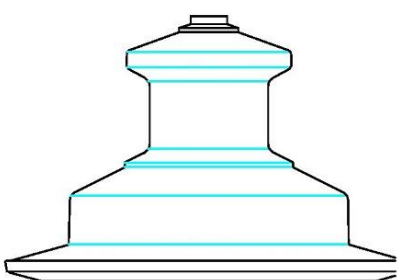




AC60<sub>/C</sub>



AC60/P



AC60/VP

## Famiglia AC 60

### Descrizione tecnica

Corpo in lastra di alluminio stampata, di forte spessore, con rinforzi in pressofusione di alluminio nella zona di attacco. Gruppo ottico stagno tipo stradale asimmetrico, ad alto rendimento, in alluminio 99.85% anodizzato e brillantato e componenti elettrici entrambi installati su supporto in acciaio inossidabile rimovibile tramite gancio a molla. Coppa in policarbonato trasparente stabilizzato agli U.V. autoestinguente V2, resa ermetica con il relativo riflettore tramite sigillatura perimetrale inalterabile. Piastra porta ausiliari elettrici estraibile. Ispezione rapida alle parti elettriche, tramite pomello e cerniera laterale di ancoraggio. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato, per lampade a scarica, eseguito con cavo a isolamento silconico, e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø 620 x 600 h mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 66
- Grado di protezione vano accessori: IP 44
- Classificazione fotometrica: CUT-OFF
- Marcatura: CE

**Tabella codici cablaggio AC 60**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **AC60.150W2JM** = corpo illuminante AC60 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 150W isolato in classe 2.

## AP 60 Series

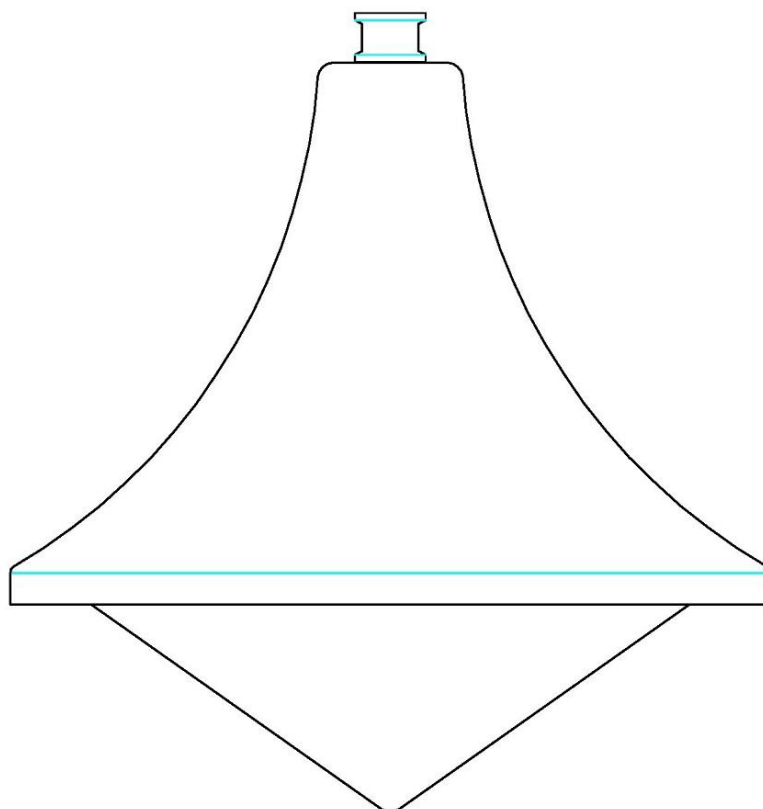
### Technical Description

**Body** in aluminum plate pressed of strong thickness sheet, with reinforcements in aluminum casting. The watertight asymmetrical road type high-performance optic group in aluminum, degree of pureness 99.85% anodized and polished and the electric components are **both** installed on the stainless steel support removable through a spring hook. Cup in transparent UV-stabilized, V2 self-extinguishing polycarbonate pointed shape or slightly rounded shape **or** replaced **by** transparent and tempered **glass**, thickness 5 mm, made hermetic with the relative reflector through perimeter enduring sealing. Electrical auxiliaries plate removable. Easy inspection of the electrical parts and of the lamp through knob and side zipper of anchorage. Fitting support in galvanized pipe  $\frac{3}{4}$ " gas. Connection for pole in galvanized steel  $\varnothing$  60 mm. Lamp socket E27 ÷ E40 750V. Stainless steel screws. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated **cables** and electrical components from selected and certified leading brands.

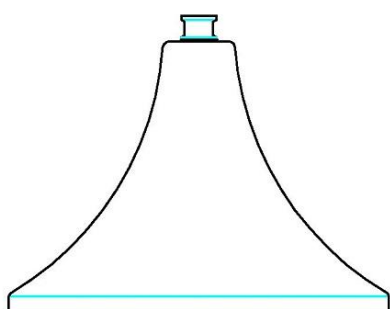
- The final treatment include the phosphating and chromatizing bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes:  $\varnothing$  620 x 850 h<sub>overall</sub> mm
- Insulation class: **I - II**
- Level of protection for lamp compartment: IP 66
- Level of protection for accessories compartment: IP 44
- Photometric classification: CUT - OFF
- Mark: CE

| Tables of wiring codes AP 60 |                    |                     |             |              |                    |
|------------------------------|--------------------|---------------------|-------------|--------------|--------------------|
| Lamps                        | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
| 70 W                         |                    |                     |             |              |                    |
| 80 W                         |                    |                     |             |              |                    |
| 100W                         |                    |                     |             |              |                    |
| 125 W                        |                    |                     |             |              |                    |
| 150 W                        |                    |                     |             |              |                    |
| 250 W                        |                    |                     |             |              |                    |
| 400 W                        |                    |                     |             |              |                    |
| xxx W                        | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **AP60.150W2JM**; that means: luminaire AP60 type wired with electric equipment for metal halide lamp of the power of 150W insulation class 2.



AG/55



AG/54

## Famiglia AG 54 ed AG 55

### Descrizione tecnica

Corpo in fusione di alluminio UNI 5076 avente particolari caratteristiche di resistenza meccanica ed alla corrosione atmosferica di ambienti marini. Gruppo ottico stagno tipo stradale asimmetrico, ad alto rendimento, in alluminio 99.85% anodizzato e brillantato e componenti elettrici entrambi installati su supporto in acciaio inossidabile rimovibile tramite gancio a molla. Chiusura inferiore in vetro trasparente temperato di forte spessore, predisposto con guarnizione perimetrale di tenuta in materiale inalterabile per modello AG 54 e coppa in metacrilato trasparente antiurto ( PMMA ) predisposta con guarnizione perimetrale di tenuta in materiale inalterabile per modello AG 55. Piastra porta ausiliari elettrici estraibile. Facilità di ispezione alle parti elettriche, ed alla lampada tramite chiusure ad innesto rapido. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato, per lampade a scarica, eseguito con cavo a isolamento siliconico, e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø 540 x 420 h mm, per modello AG 54
- Dimensioni: Ø 540 x 560 h mm, per modello AG 55
- Classe di isolamento: I
- Grado di protezione vano lampada: IP 65
- Grado di protezione vano accessori: IP 65
- Classificazione fotometrica: CUT-OFF
- Marcatura: CE

**Tabella codici cablaggio AG 54**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **AG54.150W2JM** = corpo illuminante AG54 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 150W isolato in classe 2.



## AG 54 Series and AG 55 Series

### Technical Description

Body made of aluminium casting UNI 5076 which has particular characteristics of resistance to the aggressive marine atmosphere and to the mechanical solicitations. The watertight asymmetrical road type high-performance optic group in aluminum, degree of pureness 99.85% anodized and polished and the electric components are both installed on the stainless steel support removable through a spring hook. Lower closing in tempered transparent glass of strong thickness, equipped with the perimeter enduring gasket for model AG 54 and cup in shockproof transparent methacrylate (PMMA) predisposed with perimeter enduring gasket for model AG 55. Removable access plate for electrical auxiliaries. Facility of inspection to the electric parts, and to the lamp through closings to rapid engagement. Lamp socket E27 ÷ E40 750V. Screws in stainless steel. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands

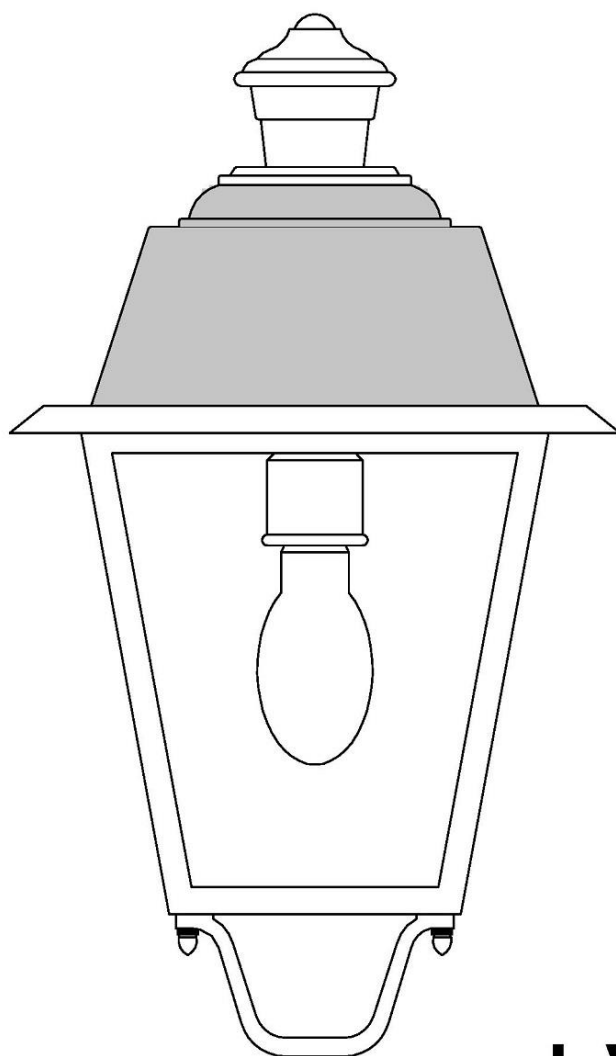
- The final treatment include the phosphating and chromatizing bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes: Ø 540 x 420 h mm, for model AG 54
- Sizes: Ø 540 x 560 h mm, for model AG 55
- Insulation class: I
- Level of protection for lamp compartment: IP 65
- Level of protection for accessories compartment: IP 65
- Photometric classification: CUT - OFF
- Mark: CE

**Tables of wiring codes AG 54**

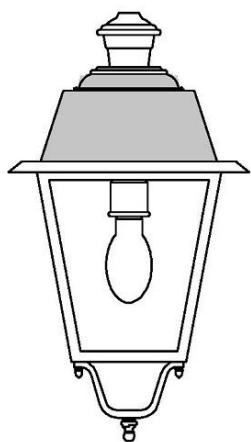
| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **AG54.150W2JM**; that means: luminaire AG54 type wired with electric equipment for metal halide lamp of the power of 150W insulation class 2.

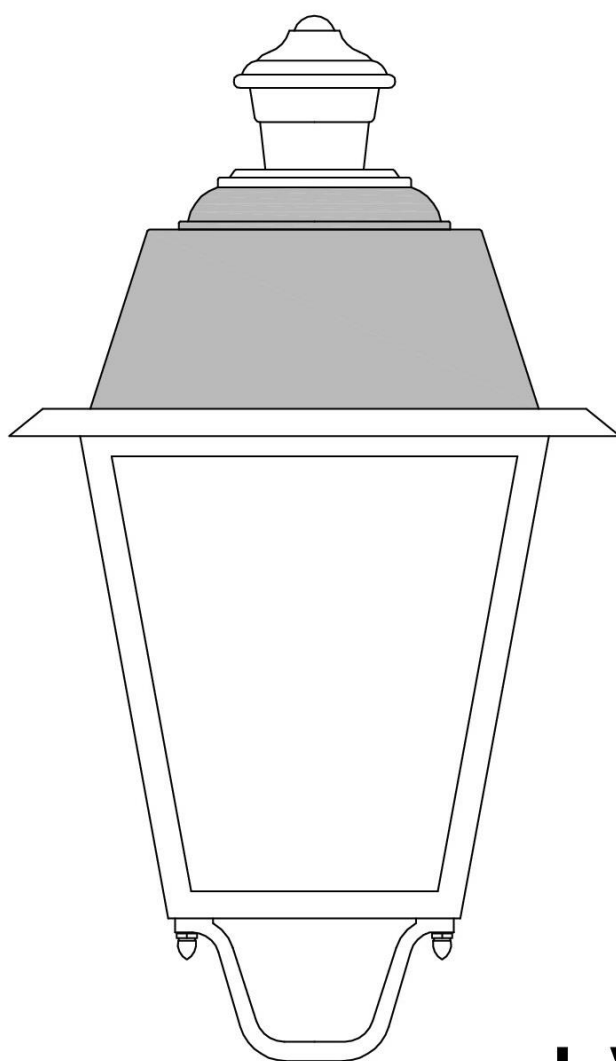




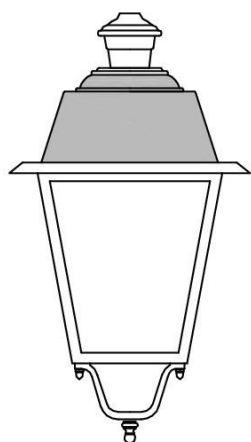
LV40,



LV40/S



**LV40/VP**



**LV40/S/VP**



## Famiglia LV 40

### Descrizione tecnica

Corpo inferiore e cappello superiore costruiti entrambi in fusione di alluminio UNI 5076 avente particolari caratteristiche di resistenza meccanica ed alla corrosione atmosferica di ambienti marini. Supporto a quadripiede in fusione di alluminio. Gruppo ottico tipo stradale asimmetrico ad alto rendimento in alluminio 99.85% anodizzato e brillantato con sistema di ricambio della lampada tramite apertura della calotta. Coppa integrale in policarbonato trasparente stabilizzato agli U.V. ed autoestinguente V2 resa ermetica con il relativo riflettore tramite sigillatura perimetrale inalterabile. Piastra porta ausiliari elettrici estraibile. Facilità di ispezione alle parti elettriche ed alla lampada tramite apertura del cappello incernierato. Portalampe E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato per lampade a scarica eseguito con cavo a isolamento silconico e componenti elettrici di primaria marca selezionati e certificati. Versione in classe II.

- Il trattamento di finitura comprende la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: sezione quadra 410 x 410 x 750 h mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 66
- Grado di protezione vano accessori: IP 43
- Classificazione fotometrica: CUT - OFF
- Marcatura: CE

**Tabella codici cablaggio LV 40**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **LV40.150W2JM** = corpo illuminante LV40 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 150W isolato in classe 2.



## LV 40 Series

### Technical Description

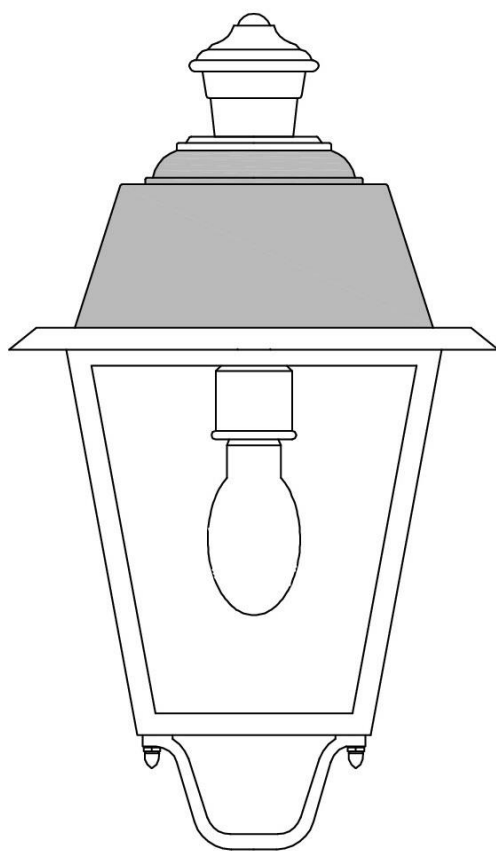
Lower body and upper cap both made of aluminium casting UNI 5076 which has particular characteristics of resistance to the aggressive marine atmosphere and to the mechanical solicitations. Four-footed support in aluminium casting. Asymmetrical, road type, high performance, degree of pureness 99.85% anodized and polished aluminium, with system for replace the lamp through opening of the cap. Whole cup in transparent UV-stabilized, V2 self-extinguishing polycarbonate, made hermetic with the relative reflector through perimeter enduring sealing. Electrical auxiliaries plate removable. Easy inspection of the electrical parts and of the lamp through the opening of the hinged cap. Lamp socket E27 ÷ E40 750V. Stainless steel screws. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands. Class II version.

- The final treatment include the phosphating and chromating bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes: square section 410 x 410 x 750 h mm
- Insulation class: I-II
- Level of protection for lamp compartment: IP 66
- Level of protection for accessories compartment: IP43
- Photometric classification: CUT - OFF
- Mark: CE

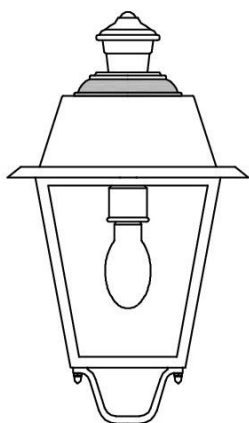
**Tables of wiring codes LV 40**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

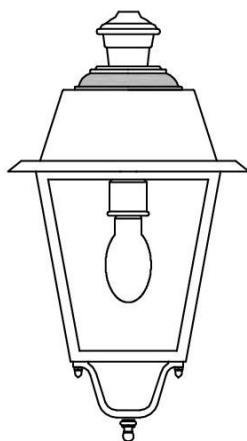
Coding example: **LV40.150W2JM**; that means: luminaire LV40 type wired with electric equipment for metal halide lamp of the power of 150W insulation class 2.



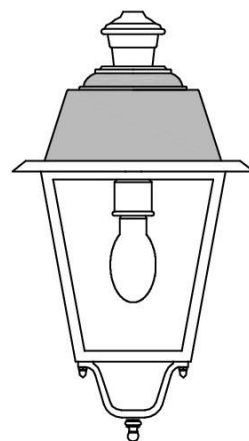
## LV30/A



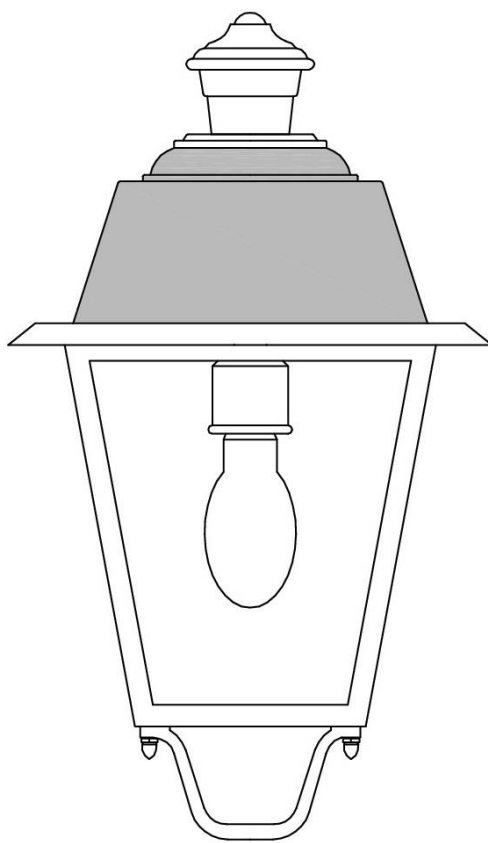
LV30/A



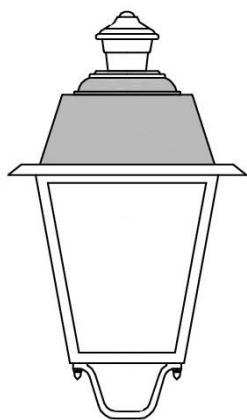
LV30/S/A



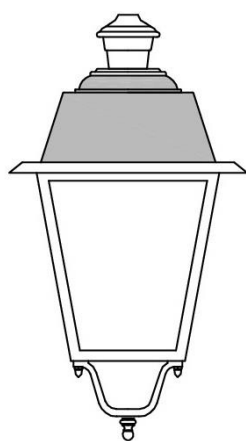
LV30/S



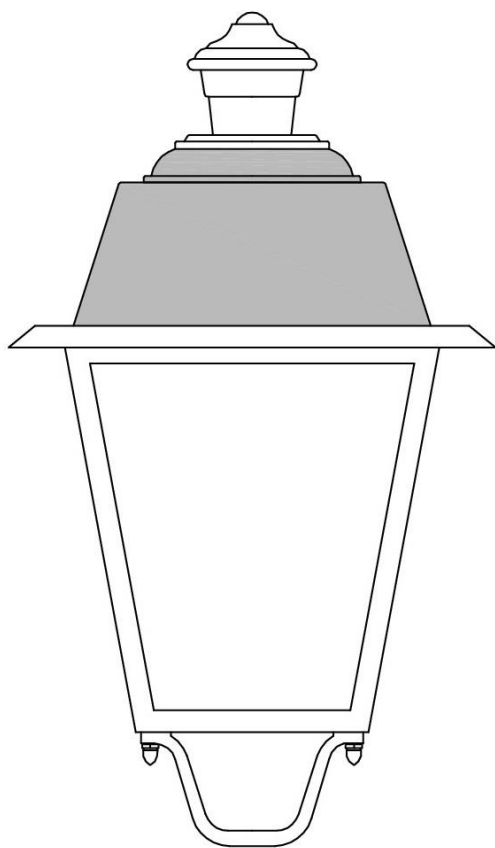
LV30/



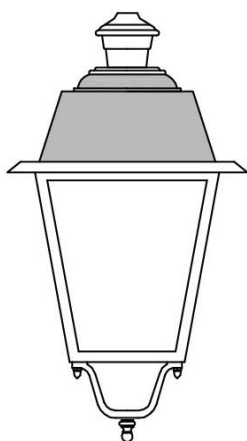
LV30/



LV30/S/VP



LV30/CO/E



LV30/S/CO/E

## Famiglia LV 30

### Descrizione tecnica

Corpo inferiore e cappello superiore costruiti entrambi in fusione di alluminio UNI 5076 avente particolari caratteristiche di resistenza meccanica ed alla corrosione atmosferica di ambienti marini. Supporto a quadripede in fusione di alluminio. Piastra porta ausiliari elettrici estraibile. Facilità di ispezione alle parti elettriche ed alla lampada. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato per lampade a scarica eseguito con cavo a isolamento siliconico e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura comprende la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: sezione quadra 350 x 350 x 650 h mm
- Classe di isolamento: I
- Grado di protezione vano lampada: IP 44
- Grado di protezione vano accessori: IP 23
- Marcatura: CE

**Tabella codici cablaggio LV 30**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **LV30.100W1JM** = corpo illuminante LV30 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 100W isolato in classe 1.



## LV 30 Series

### Technical Description

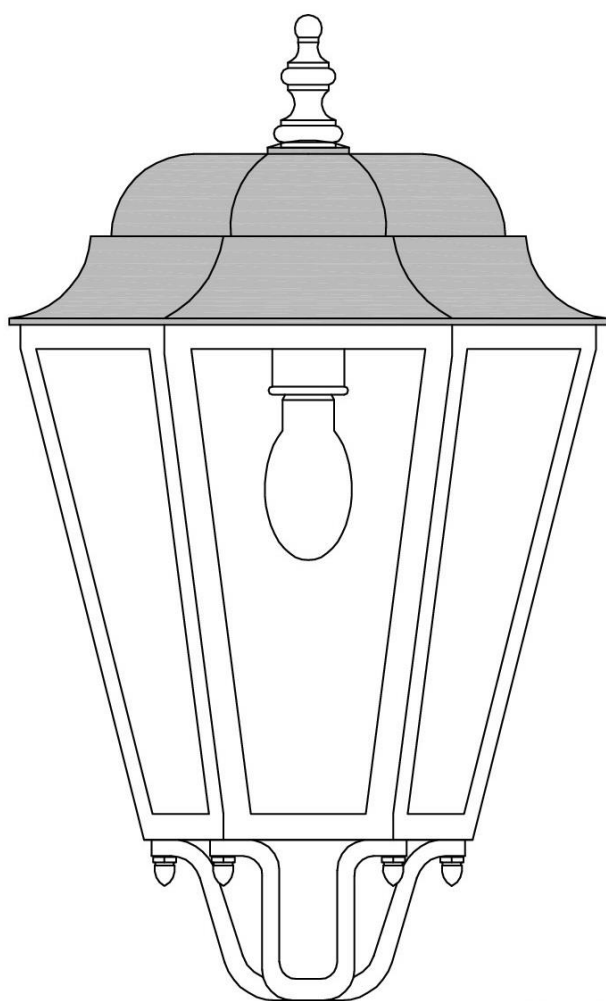
Lower body and upper cap both made of aluminium casting UNI 5076 which has particular characteristics of resistance to the aggressive marine atmosphere and to the mechanical solicitations. Four-footed support in aluminium casting. Electrical auxiliaries plate removable. Easy inspection of the electrical parts and of the. Lamp socket E27 ÷ E40 750V. Stainless steel screws. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands.

- The final treatment include the phosphating and chromatizing bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes: square section 350 x 350 x 650 h mm
- Insulation class: I
- Level of protection for lamp compartment: IP 44
- Level of protection for accessories compartment: IP23
- Mark: CE

**Tables of wiring codes LV 30**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **LV30.100W1JM**; that means: luminaire LV30 type wired with electric equipment for metal halide lamp of the power of 100W insulation class 1.



LV30/es

## Famiglia LV 30es

### Descrizione tecnica

Corpo inferiore e cappello superiore costruiti entrambi in fusione di alluminio UNI 5076 avente particolari caratteristiche di resistenza meccanica ed alla corrosione atmosferica di ambienti marini. Supporto a quadripede in fusione di alluminio. Piastra porta ausiliari elettrici estraibile. Facilità di ispezione alle parti elettriche ed alla lampada. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato per lampade a scarica eseguito con cavo a isolamento siliconico e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura comprende la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: sezione esagonale lato 200 x h 650 mm
- Classe di isolamento: I
- Grado di protezione vano lampada: IP 44
- Grado di protezione vano accessori: IP 23
- Marcatura: CE

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **LV30es.100W1JM** = corpo illuminante LV30es cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 100W isolato in classe 1.

## LV 30es Series

### Technical Description

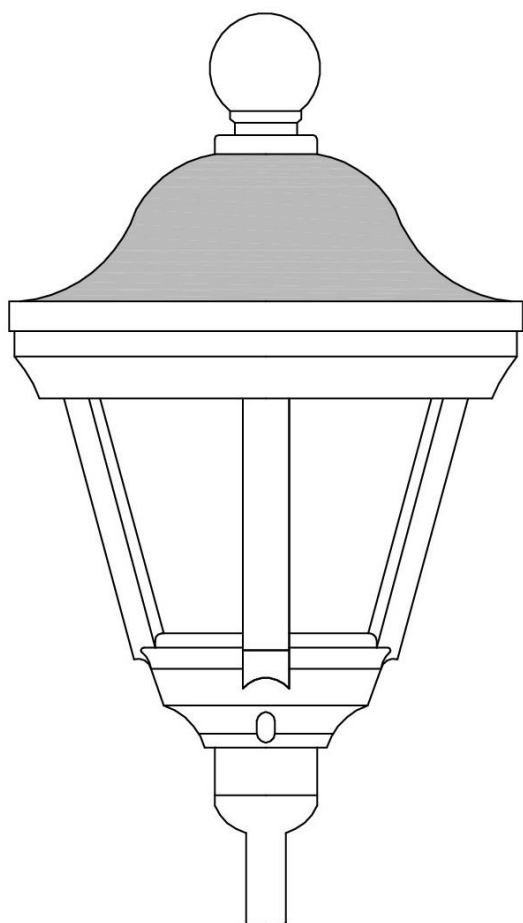
Lower body and upper cap both made of aluminium casting UNI 5076 which has particular characteristics of resistance to the aggressive marine atmosphere and to the mechanical solicitations. Four-footed support in aluminium casting. Electrical auxiliaries plate removable. Easy inspection of the electrical parts and of the lamp. Lamp socket E27 ÷ E40 750V. Stainless steel screws. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands.

- The final treatment include the phosphating and chromating bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes: hexagonal section side 200 x h 650 mm
- Insulation class: I
- Level of protection for lamp compartment: IP 44
- Level of protection for accessories compartment: IP23
- Mark: CE

**Tables of wiring codes LV 30es**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **LV30es.100W1JM**; that means: luminaire LV30es type wired with electric equipment for metal halide lamp of the power of 100W insulation class 1.



**GIANO/**



## Famiglia GIANO

### Descrizione tecnica

Corpo inferiore e cappello superiore costruiti entrambi in fusione di alluminio UNI 5076 avente particolari caratteristiche di resistenza meccanica ed alla corrosione atmosferica di ambienti marini. Supporto a quadripede in fusione di alluminio. Piastra porta ausiliari elettrici estraibile. Facilità di ispezione alle parti elettriche ed alla lampada. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato per lampade a scarica eseguito con cavo a isolamento silconico e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura comprende la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: sezione circolare diametro 350 x h 600 mm
- Classe di isolamento: I
- Grado di protezione vano lampada: IP 44
- Grado di protezione vano accessori: IP 23
- Marcatura: CE

**Tabella codici cablaggio GIANO**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| 250 W   |                           |                            |              |                        |                       |
| 400 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **GIANO.100W1JM** = corpo illuminante GIANO cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 100W isolato in classe 1.

## GIANO Series

### Technical Description

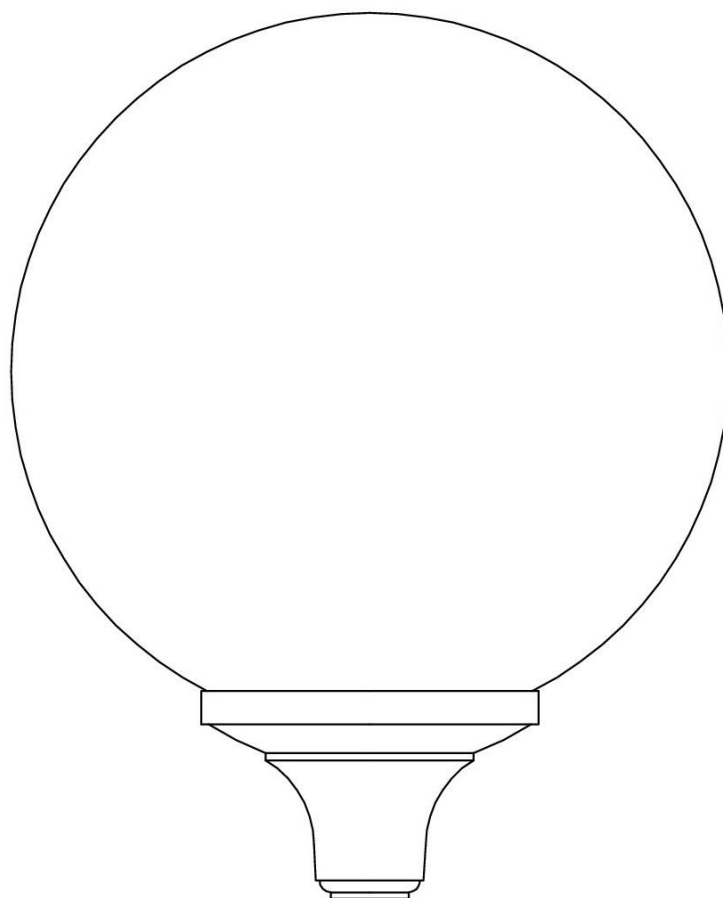
Lower body and upper cap both made of aluminium casting UNI 5076 which has particular characteristics of resistance to the aggressive marine atmosphere and to the mechanical solicitations. Four-footed support in aluminium casting. Electrical auxiliaries plate removable. Easy inspection of the electrical parts and of the lamp. Lamp socket E27 ÷ E40 750V. Stainless steel screws. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands.

- The final treatment include the phosphating and chromatizing bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes: round section diameter 350 x h 600 mm
- Insulation class: I
- Level of protection for lamp compartment: IP 44
- Level of protection for accessories compartment: IP23
- Mark: CE

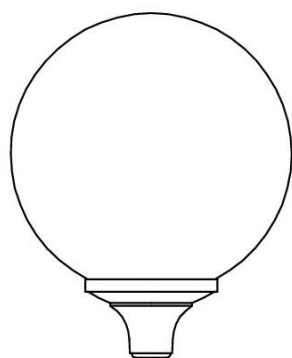
**Tables of wiring codes GIANO**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| 250 W |                    |                     |             |              |                    |
| 400 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **GIANO.100W1JM**; that means: luminaire GIANO type wired with electric equipment for metal halide lamp of the power of 100W insulation class 1.



**SP**<sub>/50</sub>



**SP**<sub>/40</sub>

## Famiglia SP 40/50

### Descrizione tecnica

Supporto porta globo in versione portata, realizzato in fusione di alluminio. Sistema di fissaggio interno ½" gas. Globo stampato ad iniezione in metacrilato antiurto colore opale, o a richiesta in polycarbonato stabilizzato agli U.V. colore opale. Fissaggio del globo sul supporto tramite tre grani in acciaio. Piastra porta ausiliari elettrici estraibile. Portalamпада E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato per lampade a scarica, eseguito con cavo a isolamento silconico e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura del supporto è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø400x 500 h mm  
Ø500x 600 h mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 44
- Grado di protezione vano accessori: IP 44
- Marcatura: CE

**Tabella codici cablaggio SP 40**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **SP40.100W2JM** = corpo illuminante SP40 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 100W isolato in classe 2.

**Tabella codici cablaggio SP 50**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **SP50.125W1VM** = corpo illuminante SP50 cablato con equipaggiamento elettrico per lampada a vapori di mercurio della potenza di 125W isolato in classe



## SP 40/50 Series

### Technical Description

Support brings globe in brought version, realized in aluminum fusion. System of inside fixing  $\frac{1}{2}$ " gas. Injection pressed globe in opal shockproof methacrylate, or on application in UV-stabilized opal polycarbonate. Fixing of the globe on the support through three stainless steel clamp screws. Removable access plate for electrical auxiliaries. Lamp socket E27 ÷ E40 750V. Screws in stainless steel. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands.

- The final treatment include the phosphating and chromating bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes: Ø 400 x 500 h mm  
Ø 500 x 600 h mm
- Insulation class: I-II
- Level of protection for bulb compartment: IP 44
- Level of protection for accessories compartment: IP44
- Mark: CE

**Tables of wiring codes SP 40**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

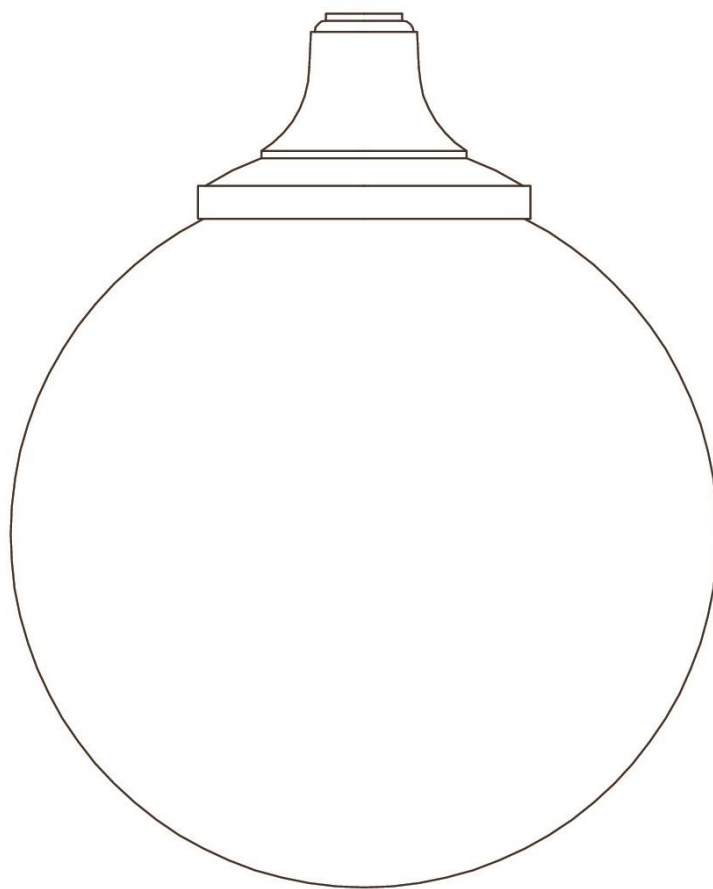
Coding example: **SP40.100W2JM**; that means: luminaire SP40 type wired with electric equipment for metal halide lamp of the power of 100W insulation class 2.

**Tables of wiring codes SP 50**

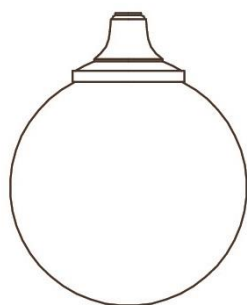
| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **SP50.125W1VM**; that means: luminaire SP50 type wired with electric equipment for mercury-vapor lamp of the power of 125W insulation class 1.





SA<sub>/50</sub>



SA<sub>/40</sub>

## Famiglia SA40/50

### Descrizione tecnica

Supporto porta globo in                     , realizzato in fusione di alluminio. Sistema di fissaggio interno ½" gas. Globo stampato ad iniezione in metacrilato antiurto colore opale, o a richiesta in polycarbonato stabilizzato agli U.V. colore opale. Fissaggio del globo sul supporto tramite tre grani in acciaio. Piastra porta ausiliari elettrici estraibile. Portalampada E27 ÷ E40 750V. Viterie in acciaio inox. Cablaggio elettrico interno rifasato per lampade a scarica, eseguito con cavo a isolamento siliconico e componenti elettrici di primaria marca selezionati e certificati.

- Il trattamento di finitura del supporto è la fosfocromatazione in bagno, quindi la verniciatura con polveri poliesteri colore nero AKZO 200 effetto grafite, ed in ultimo la polimerizzazione in forno a 180°C.
- Dimensioni: Ø400 x 500 h mm  
Ø500 x 600 h mm
- Classe di isolamento: I - II
- Grado di protezione vano lampada: IP 44
- Grado di protezione vano accessori: IP 44
- Marcatura: CE

**Tabella codici cablaggio SP 40**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **SP40.100W2JM** = corpo illuminante SP40 cablato con equipaggiamento elettrico per lampada ad ioduri metallici della potenza di 100W isolato in classe 2.

**Tabella codici cablaggio SP 50**

| Lampade | Classe<br>isolamento<br>I | Classe<br>isolamento<br>II | Sodio<br>A.P | Alogenuri<br>metallici | Vapori di<br>mercurio |
|---------|---------------------------|----------------------------|--------------|------------------------|-----------------------|
| 70 W    |                           |                            |              |                        |                       |
| 80 W    |                           |                            |              |                        |                       |
| 100W    |                           |                            |              |                        |                       |
| 125 W   |                           |                            |              |                        |                       |
| 150 W   |                           |                            |              |                        |                       |
| xxx W   | 1                         | 2                          | SAP          | JM                     | VM                    |

Esempio codifica **SP50.125W1VM** = corpo illuminante SP50 cablato con equipaggiamento elettrico per lampada a vapori di mercurio della potenza di 125W isolato in classe.

## SA 40/50 Series

### Technical Description

Support brings globe in suspended version, realized in aluminum fusion. System of inside fixing  $\frac{1}{2}$ " gas. Injection pressed globe in opal shockproof methacrylate, or on application in UV-stabilized opal polycarbonate. Fixing of the globe on the support through three stainless steel clamp screws. Removable access plate for electrical auxiliaries. Lamp socket E27 ÷ E40 750V. Screws in stainless steel. Power factor corrected inside electric wiring for discharge lamps, performed with silicon-insulated cables and electrical components from selected and certified leading brands.

- The final treatment include the phosphating and chromatizing bath, then the electrostatic painting with polyester powder, the standard colour is AKZO black 200 with graphite effect and finally the polymerization in the furnace at 180°C.
- Sizes: Ø 400 x 500 h mm  
Ø 500 x 600 h mm
- Insulation class: I-II
- Level of protection for lamp compartment: IP 44
- Level of protection for accessories compartment: IP44
- Mark: CE

**Tables of wiring codes SA 40**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **SA40.70W2JM**; that means: luminaire SA40 type wired with electric equipment for metal halide lamp of the power of 70W insulation class 2.

**Tables of wiring codes SA 50**

| Lamps | Insulation class I | Insulation class II | H.P. sodium | Metal halide | Mercury-vapor lamp |
|-------|--------------------|---------------------|-------------|--------------|--------------------|
| 70 W  |                    |                     |             |              |                    |
| 80 W  |                    |                     |             |              |                    |
| 100W  |                    |                     |             |              |                    |
| 125 W |                    |                     |             |              |                    |
| 150 W |                    |                     |             |              |                    |
| xxx W | 1                  | 2                   | SAP         | JM           | VM                 |

Coding example: **SA50.80W1VM**; that means: luminaire SA50 type wired with electric equipment for mercury-vapor lamp of the power of 80W insulation class 1.







## ARMATURA STRADALE PER L'ARREDO URBANO

### Maya 1 - Maya 2 - Maya 3

#### **CARATTERISTICHE TECNICHE**

Vano ottico IP65. Vano accessori IP65. Classe I e Classe II. Corpo in pressofusione di alluminio con elevate doti di leggerezza, verniciato mediante polveri epossidiche RAL 7035 previo fosfocromatazione del grezzo. Riflettore stampato in alluminio anodizzato purissimo ad elevato rendimento. Rifrattore di chiusura in vetro piano temperato spessore 5 mm, oppure coppa con bombatura appena accennata. Guarnizione al silicone perimetrale al corpo; guarnizione di tenuta al silicone perimetrale al vano ottico. Installazione a sbraccio o a testa palo per pali di diametro 60 mm, con la possibilità di inclinazione grazie al sistema rotante in pressofusione di alluminio. Viteria e minuteria esterna in acciaio inox. Portalampada in ceramica E27÷E40 alloggiato nel bicchiere in alluminio asportabile ed apribile a 1/4 di giro senza ausilio di utensili. Apertura dall'alto, senza l'utilizzo di utensili tramite ganci manuali in alluminio. Massima semplicità nelle operazioni di manutenzione. Gruppo di alimentazione alloggiato in piastra in nylon per la Classe II, in ferro zincato per la Classe I. Piastra asportabile senza l'utilizzo di utensili, tramite farfalle in nylon. Classificazione: CUT-OFF

#### **OPZIONI**

Classe II di isolamento. Fusibile. Sezionatore. Colori RAL

#### **DIMENSIONI**

Maya 1: 550 x 140 x 270 mm

Maya 2: 650 x 150 x 320 mm

Maya 3: 750 x 160 x 350 mm

#### **POTENZE**

Maya 1: 70W SAP, 100W SAP e 150W SAP; 70W JM, 100W JM e 150W JM

Maya 2: 100W SAP, 150W SAP e 250W SAP; 100W JM, 150W JM e 250W JM

Maya 3: 150W SAP, 250W SAP e 400W SAP; 150W JM, 250W JM e 400W JM

#### **NORME**

Prodotti in conformità alle norme EN60598-1-2-3 A1 e CEI 34 - 21. Hanno grado di protezione secondo le norme EN60529. Conforme alla norma UN110819 sull'inquinamento luminoso. Conforme alla Legge Regionale della Lombardia n° 38 del 21 Dicembre 2004 contro la dispersione verso l'alto.





## Maya 1 - Maya 2 - Maya 3 - light fixtures

### TECHNICAL CHARACTERISTICS

Degree of protection lamp compartment: IP65. Degree of protection electric accessories compartment: IP 65. Electrical Insulation: Class I. Electrical Insulation: Class II. Die cast aluminium housing finished with polyester powder paint, standard color white RAL 7035, previous the treatment of the phosphating and chromating bath. Pressed plain aluminum anodized high efficiency reflector. Flat tempered glass refractor thickness 5 mm or slightly convex tempered glass refractor. Silicone rubber seal for optical compartment and silicone rubber seal between support and reflector. For pole or post top mounting, slip fitter for 60 mm diameter, die cast aluminium rotating system for slope adjustment. External small parts and screws in stainless steel. Ceramic lamp holder E27 ÷ E40 housed in the aluminum beaker sliding and openable with a 1/4 turn without aid of tools. Opening from the top, without the use of tools through aluminum hooks. Maximum simplicity in the maintenance operations. Electric components with power factor corrected sited in nylon plate for the insulation Class II, in galvanized steel for the insulation Class I. Removable plate without the use of tools, through nylon butterflies. Photometric classification: CUT-OFF

### OPTIONS

Isolation Class II. Fuse. Isolating switch. Colors RAL.

### DIMENSIONS

Maya 1: 550 x 140 x 270 mm

Maya 2: 650 x 150 x 320 mm

Maya 3: 750 x 160 x 350 mm

### POWERS

Maya 1: 70W HPS, 100W HPS and 150W HPS; 70W MH, 100W MH and 150W MH

Maya 2: 100W HPS, 150W HPS and 250W HPS; 100W MH, 150W MH and 250W MH

Maya 3: 150W HPS, 250W HPS and 400W HPS; 150W MH, 250W MH and 400W MH

### RULES COMPLIANCE

Produced in compliance with the EN60598-1-2-3 A1 and CEI 34 – 21 rules. They have degree of protection in compliance with the EN60529 rules. In compliance with the UN110819 rules on the bright pollution. In compliance with the Lombardia's Regional Law n° 38 of December 21st 2004 against the upward dispersion.













PALI  
urban

## Divisione Urban Serie Alluminio

### Descrizione tecnica

Basi inferiori di forma circolare troncoconica con profilo leggermente arcuato, costituite da elementi sovrapponibili ed intercambiabili per una diversa caratterizzazione estetica.  $\varnothing_{base}$  300 mm, altezza 560 ÷ 580 mm, costruite in fusione di alluminio e perfettamente lavorate nei punti di incastro. Palo cilindrico lineare estruso in lega di alluminio 6060/T6 UNI 3569 di adeguato spessore,  $\varnothing_{esterno}$  102 mm, con rigature longitudinali. Completo di foro per ingresso dei cavi, di connessione per la messa a terra, di asola delle dimensioni di 132 x 38 mm con relativo coperchio e morsettiera interna quadripolare.

Attacco superiore per 1 o per 2 bracci a 180°, di forma ovoidale con base scalettata, costruito in fusione di alluminio, in versione scorrevole sul palo od in versione cima palo con relativo cappellotto di chiusura. Braccio superiore a forma di ala di gabbiano, in versione corta o lunga, costruito in fusione di alluminio con sezione ad U rovesciata, predisposto per passaggio dei cavi all'interno, protetto da un coperchio di chiusura rimovibile. Completo di attacco laterale per apparecchio. Fissaggio dei componenti tramite viti e grani in acciaio inox.

Il trattamento di finitura comprende la fosfocromatazione in bagno, mentre per gli elementi in fusione comprende la granigliatura, quindi la verniciatura con polveri poliesteri colore standard grigio sabbia AKZO 900 satinato, ed in ultimo la polimerizzazione in forno a 180°C.

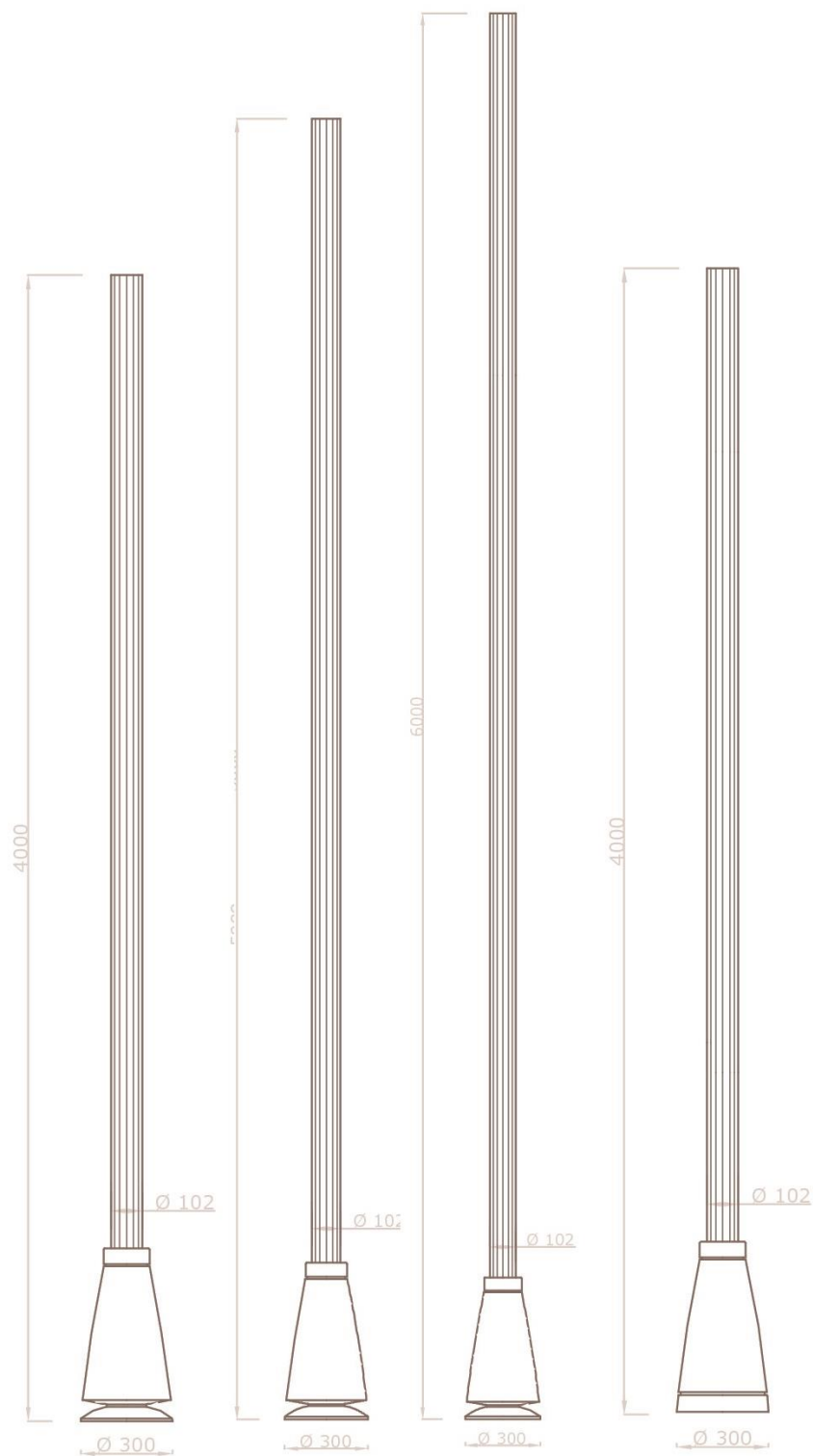
### *Urban Division Aluminium Series*

### Technical Description

Lower bases of circular truncated cone form with slightly arched profile, constituted by overlapping and interchangeable elements for a different aesthetical characterization,  $\varnothing_{base}$  300 mm and 560 ÷ 580 mm high, build in aluminium casting and perfectly machined all over the points of joint. Linear cylindrical pole extruded in aluminium alloy 6060/T6 UNI 3569, of suitable thickness,  $\varnothing_{exterior}$  102 mm, and lengthwise polygrooved. Complete of hole for the cables inlet, of connection for the mass to earth, of buttonhole of the dimensions of 132 x 38 mm, with relative cover and inside quadripole terminal block.

Upper connection for 1 or 2 arms, located at 180°, of ovoidal form with grooved base, built in aluminium casting, either in sliding version on the pole or in locked version at the top of the pole with closing cap. Upper arm of gull wing form, short or long version, built in aluminium casting with upset U section, predisposed, inside, as cable duct protected by removable cover closing. Complete of side coupling for the lighting fitting. Fixing of the components through stainless steel screws and security dowels.

The treatment of finish includes the phosphating and chromating bath, while for the elements in fusion the shotblasting, then the electrostatic painting with polyester powder, the standard colour is AKZO sandy grey 900 glazed and finally the polymerization in the furnace at 180°C.

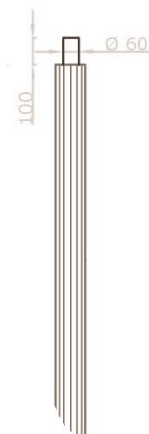


**URal102 H40 B05**

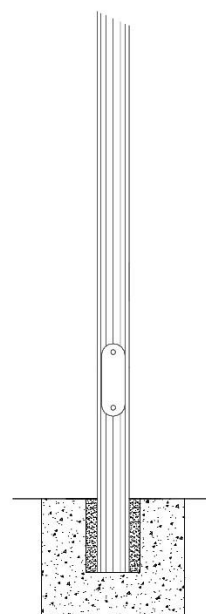
**H50**

**H60**

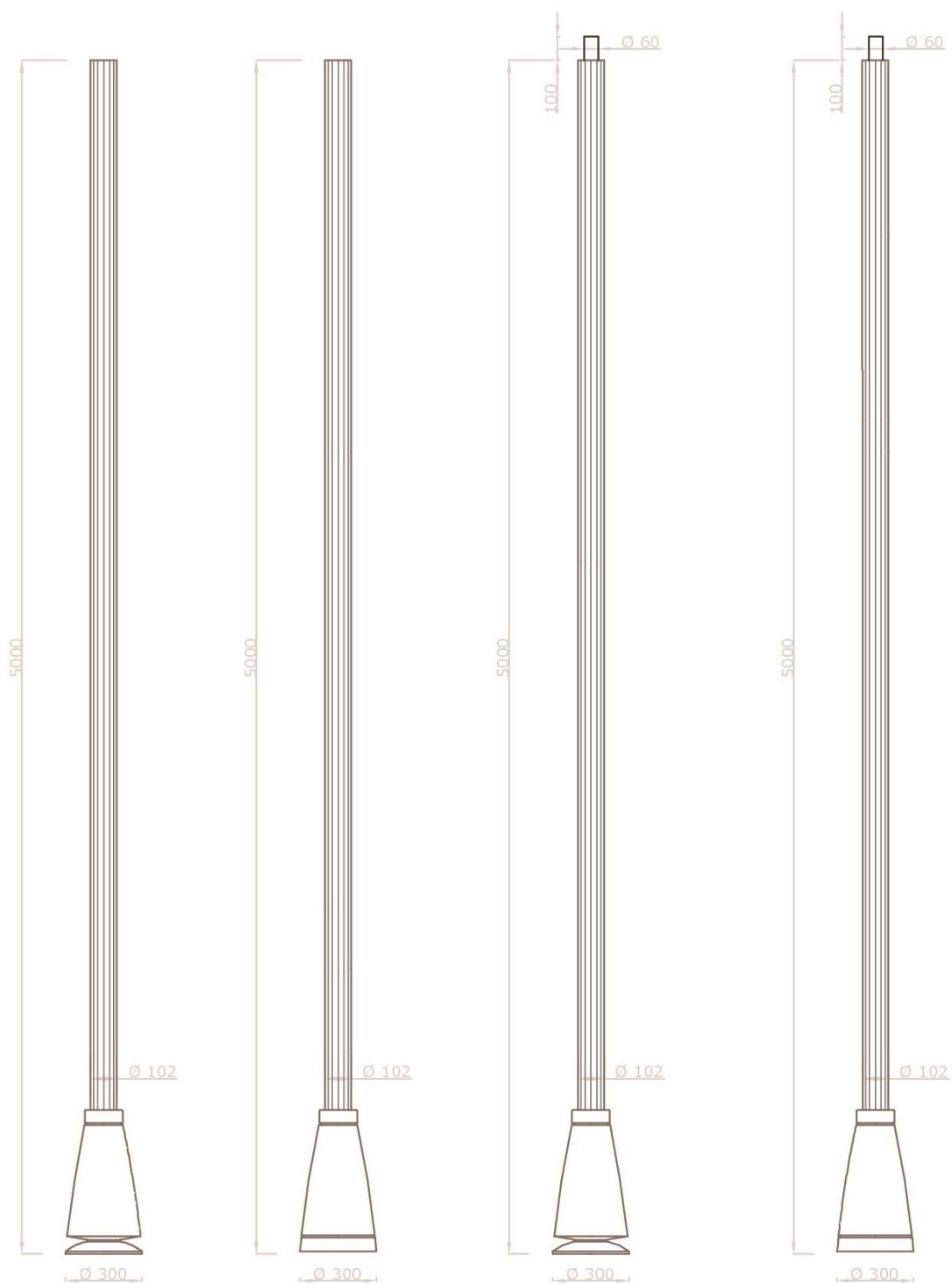
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H50  
H60**



**versione con codolo  
URal 102 Hxx Bxx F5**

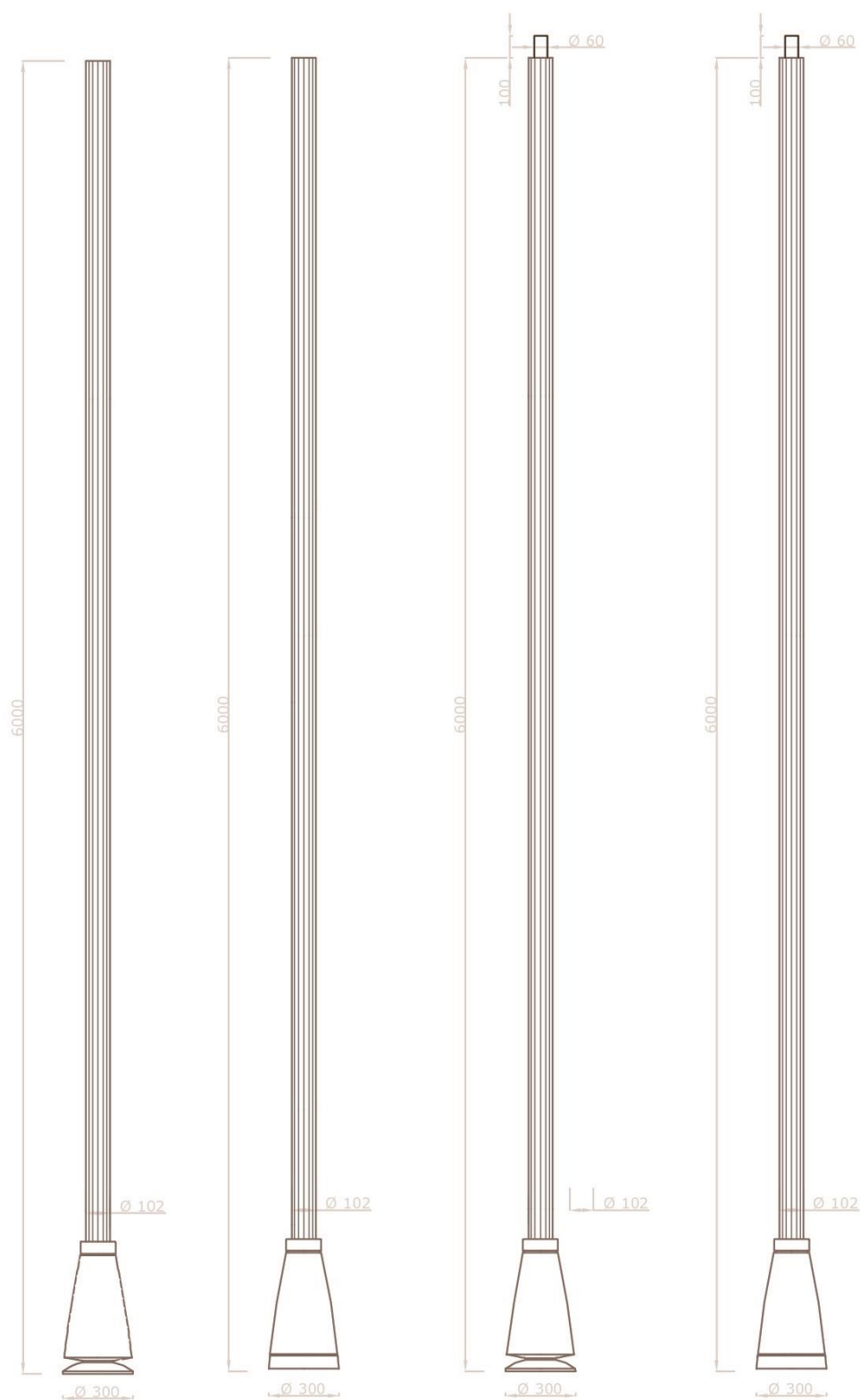


**palo interrato**

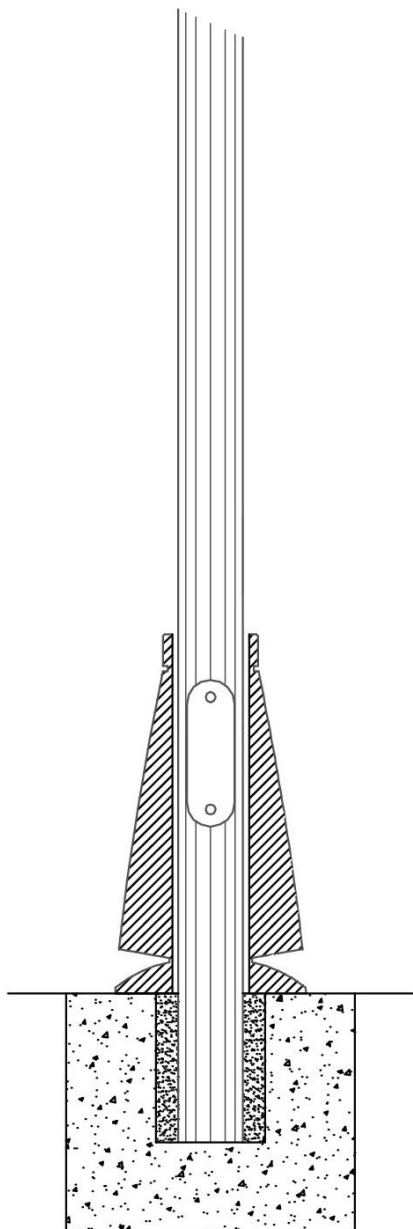


UR<sub>al</sub> 102 H50 B05   UR<sub>al</sub> 102 H50 B06   UR<sub>al</sub> 102 H50 B05 F5   UR<sub>al</sub> 102 H50 B06 F5

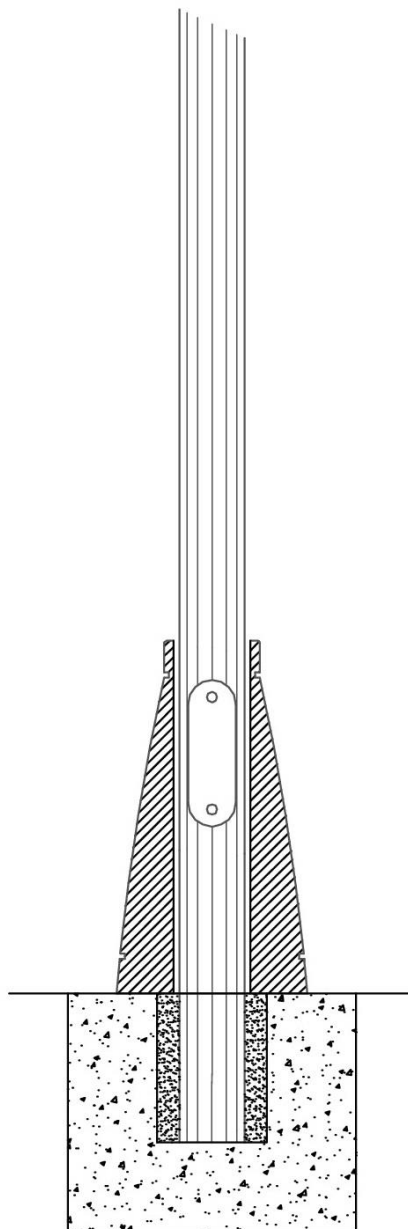




UR\_al 102 H60 B05   UR\_al 102 H60 B06   UR\_al 102 H60 B05 F5   UR\_al 102 H60 B06 F5



UR 102 B05



UR 102 B06

## Divisione Urban Serie Acciaio

### Descrizione tecnica

Pali cilindrici lineari, rastremati, e conici da lamiera, costruiti in acciaio FE 360 B EN 10025, completi di asola entrata cavi, inserto di messa a terra, asola 186 x 45 mm con relativo coperchio e morsettiera interna quadripolare se richiesta. Zincati a caldo per immersione a norme UNI/EN 40/4. Nelle soluzioni di palo rastremato con base Ø 159 mm, e Ø 114 mm, la stessa è costituita da un elemento in acciaio, facente parte integrale del palo stesso. Rosoni di base di vari diametri costruiti in fusione di alluminio in versione standard o optional.

Sono previste le soluzioni:

- Attacco superiore per 1 braccio o per 2 bracci a 180°, di forma ovoidale con base scalettata, costruito in fusione di alluminio, in versione scorrevole sul palo o in versione cima palo con relativo cappellotto di chiusura. Braccio superiore a forma di ala di gabbiano, in versione corta o lunga, costruito in fusione di alluminio con sezione ad U rovesciata, predisposto per passaggio dei cavi all'interno, protetto da un coperchio di chiusura removibile. Completo di attacco laterale per apparecchio. Fissaggio dei componenti tramite viti e grani in acciaio inox.
- -Con braccio superiore a forma di ala di gabbiano, in versione lunga, costruito in fusione di alluminio con sezione ad U rovesciata, predisposto per apparecchio sospeso, con passaggio cavo interno protetto da coperchio di chiusura removibile. Attacco per 1 o 2 bracci a 180° di forma ovoidale a base scalettata posizionato a cima palo.
- -Con braccio superiore in acciaio zincato e relativi supporti in acciaio elettrosaldato inseriti nella parte superiore del palo. Fissaggio dei componenti tramite viti e grani in acciaio inox.

Il trattamento di finitura è la fosfocromatazione in bagno, mentre per gli elementi in fusione è la granigliatura, quindi la verniciatura con polveri poliesteri colore standard grigio sabbia AKZO 900 satinato o nero grafite AKZO 200 satinato, ed in ultimo la polimerizzazione in forno a 180°C.

## *Urban Division Steel Series*

### **Technical Description**

Cylindrical, tapered, and conic poles from sheet, built in FE 360 B EN 10025 steel, complete of buttonhole with cables inlet, of connection for the mass to earth, buttonhole 186 x 45 mm with relative cover and inside quadripole terminal block, if required. Heat galvanization for immersion according to the UNI/EN 40/4 regulations. In the solutions of pole tapered with  $\varnothing_{base}$  159 mm and  $\varnothing_{base}$  114 mm, the same one is constituted by an element in steel, that makes integral part of the same pole. Rose windows of base of various diameters built in aluminum fusion in standard version or optional.

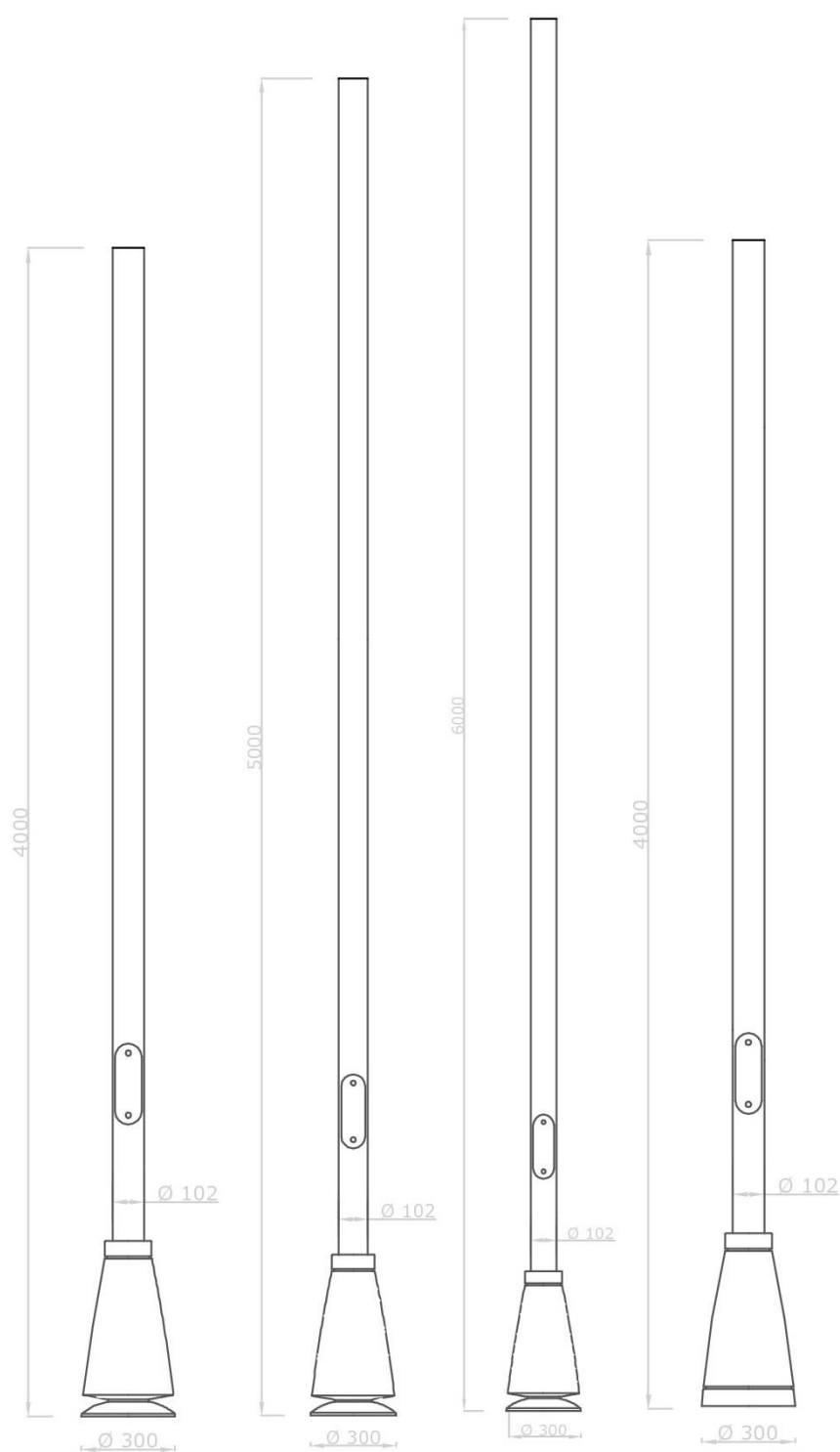
The following versions are available:

- Upper connection for 1 or 2 arms, located at 180°, of ovoidal form with grooved base, built in aluminium casting, either in sliding version on the pole or in locked version at the top of the pole with closing cap. Upper arm of gull wing form, short or long version, built in aluminium casting with upset U section, predisposed, inside, as cable duct protected by removable cover closing. Complete of side coupling for the lighting fitting. Fixing of the components through stainless steel screws and security dowels.
- With upper arm of gull wing form, in long version, built in aluminum fusion with section to upset U, predisposed for suspended fitting and inside, as cable duct protected by removable cover closing. Connection for 1 or 2 arms, located at 180°, of ovoidal form with grooved base positioned to the top of the pole.
- With upper arm in galvanized steel and relative supports in welded steel inserted in the superior part of the pole.

Fixing of the component ones through stainless steel screws and security dowels.

The treatment of finish includes the phosphating and chromatizing bath, while for the elements in fusion the shotblasting, then the electrostatic painting with polyester powder, the standard colour is AKZO sandy grey 900 glazed or AKZO black 200 glazed and finally the polymerization in the furnace at 180°C.





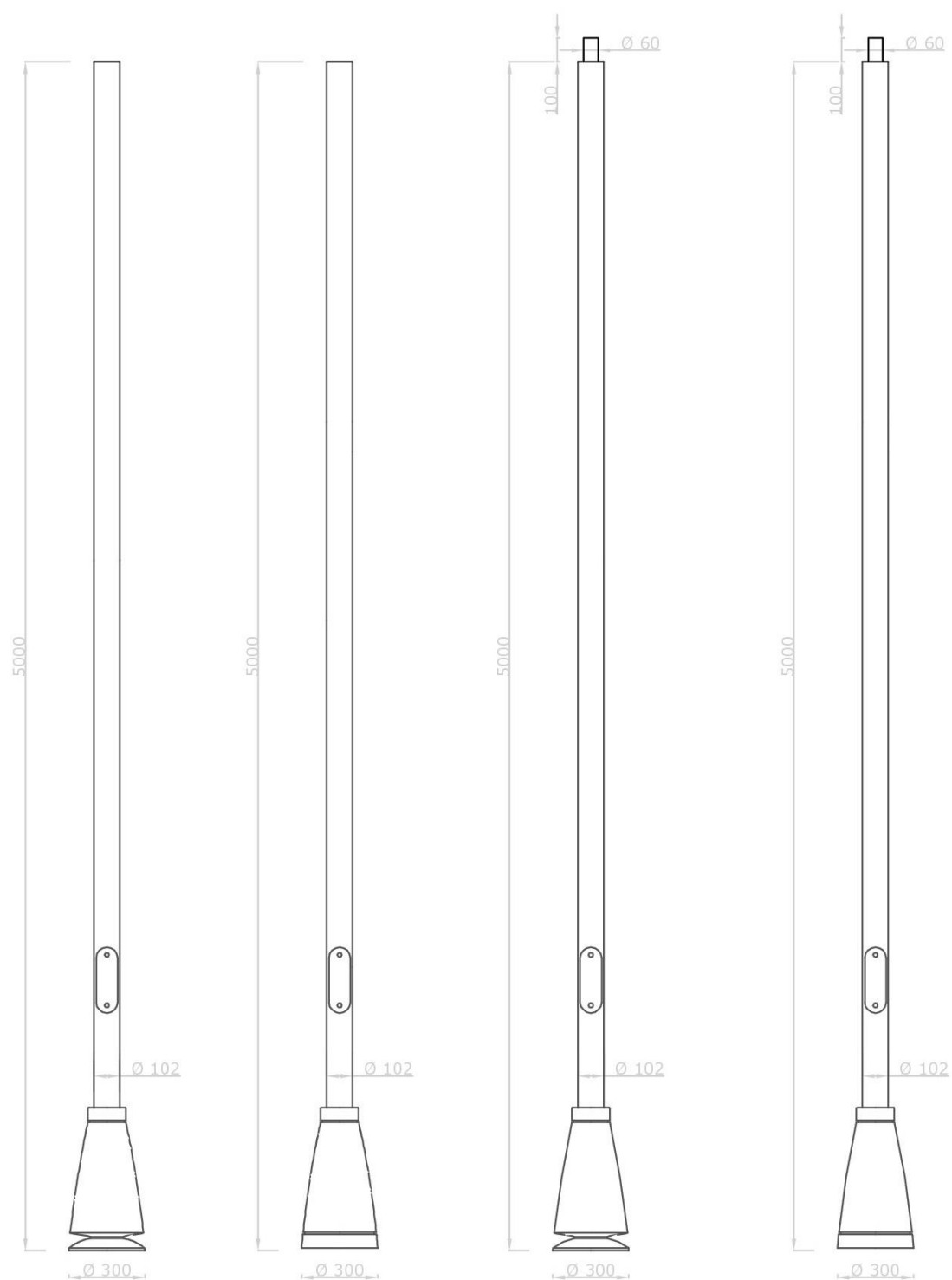
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**UR102 H40 B05**

**H50**

**H60**

**UR102 H40 B06  
H50  
H60**

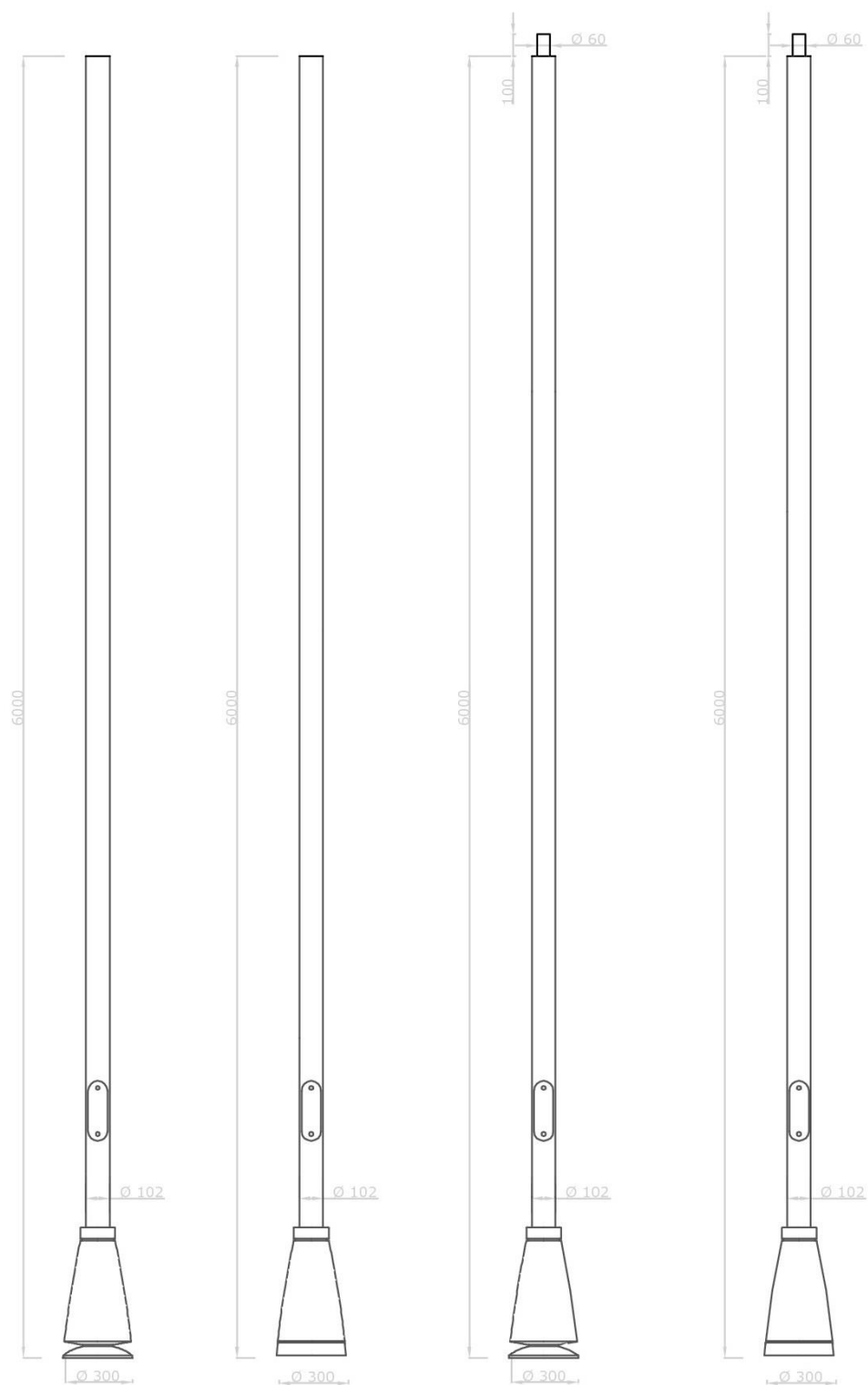


UR 102 H50 B05

UR 102 H50 B06

UR 102 H50 B05 F5

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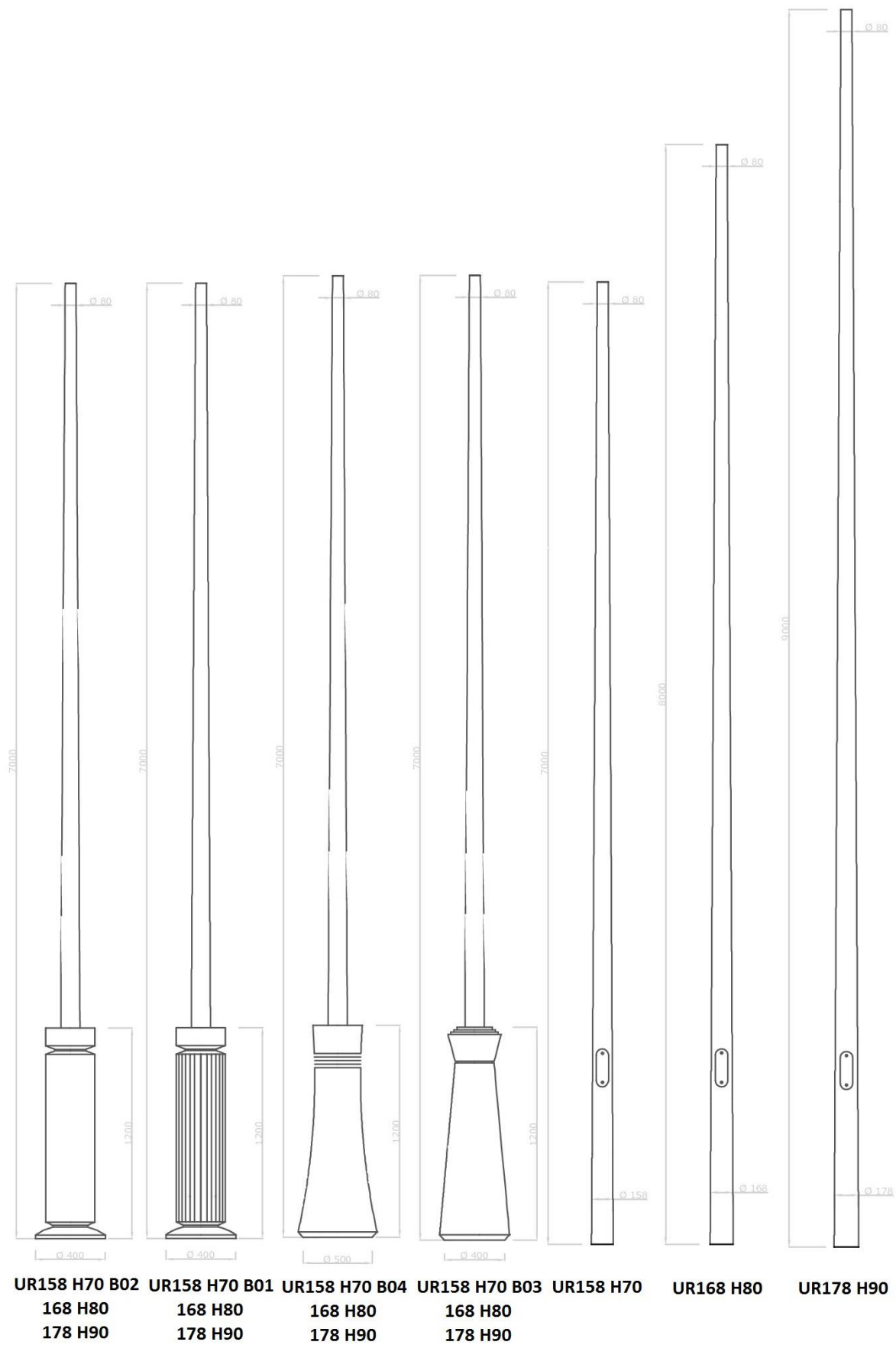


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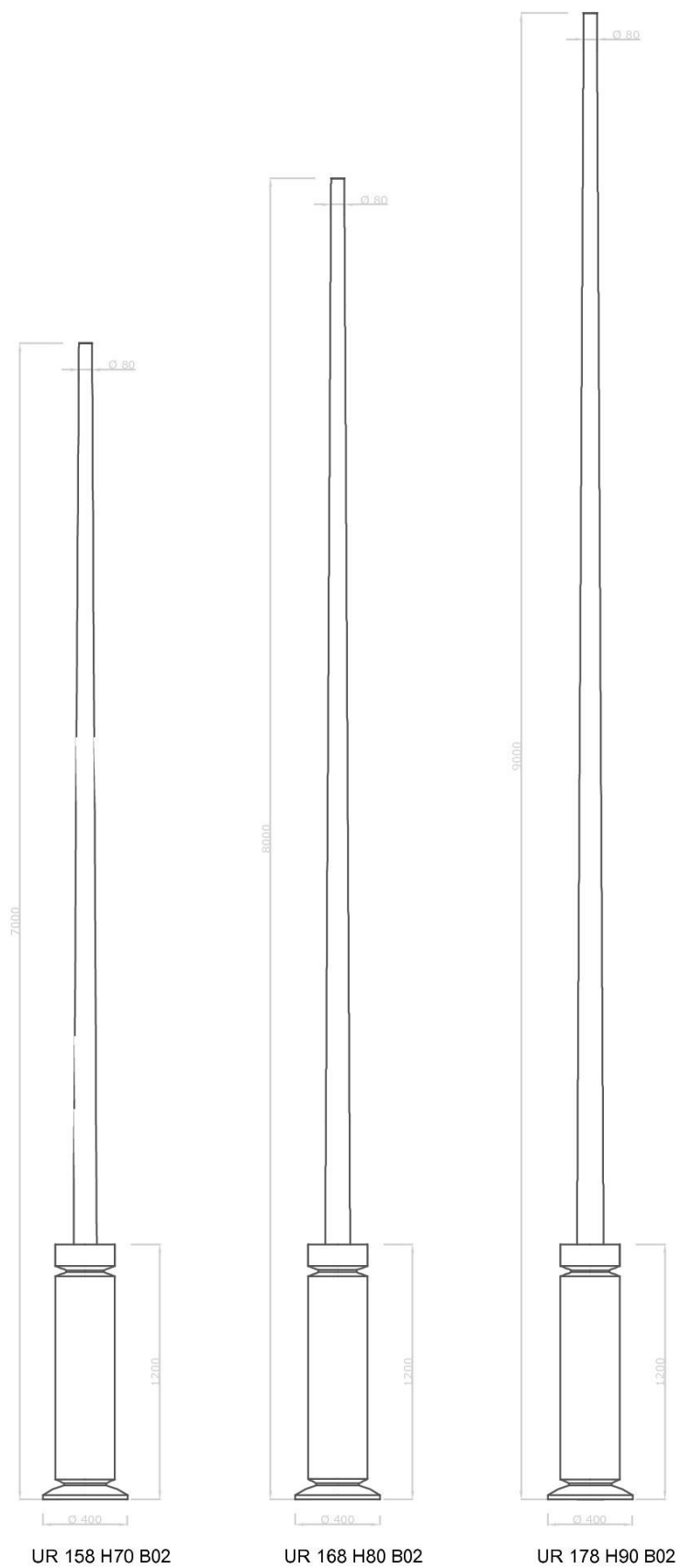
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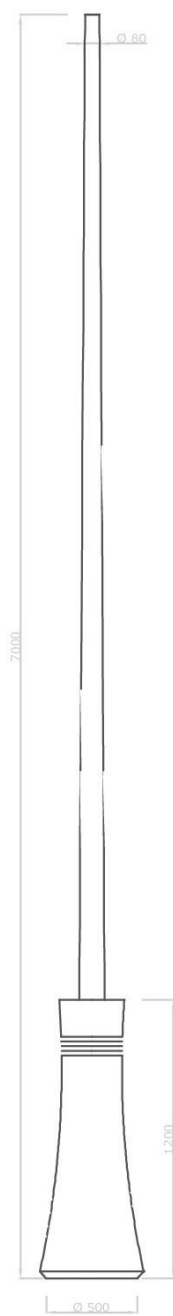
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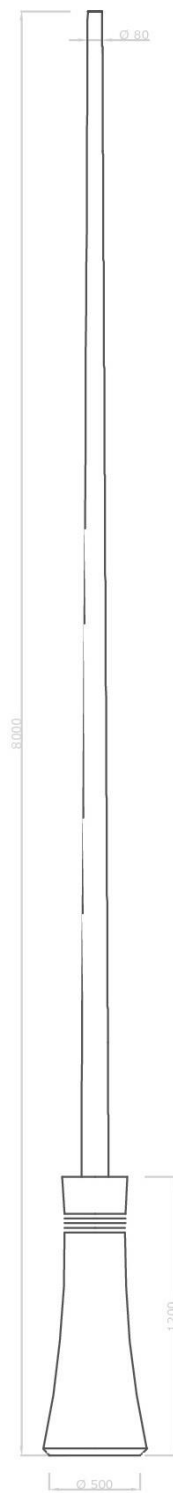




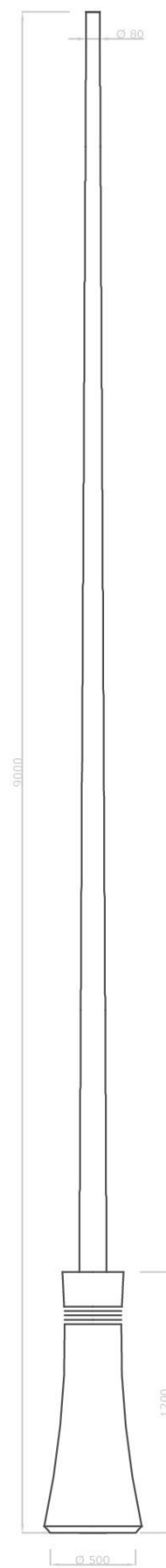




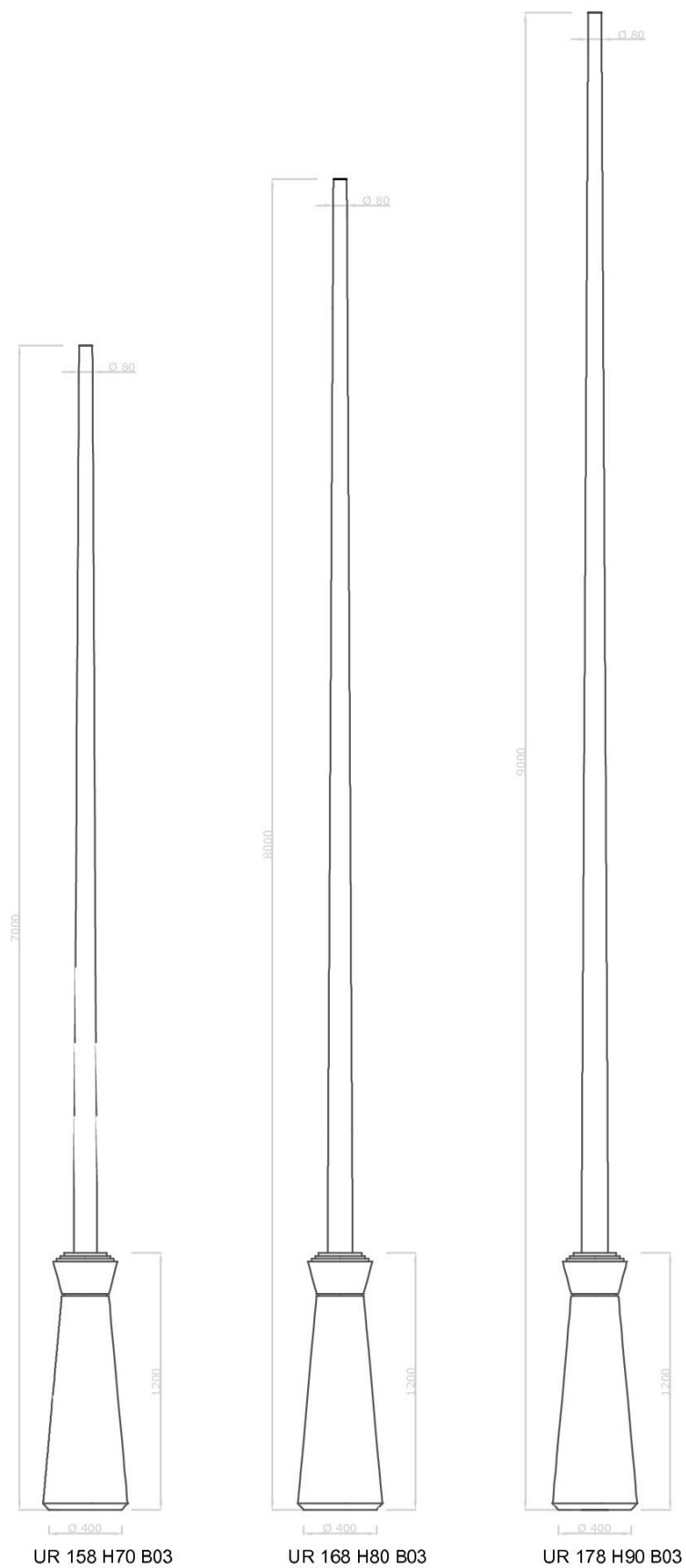
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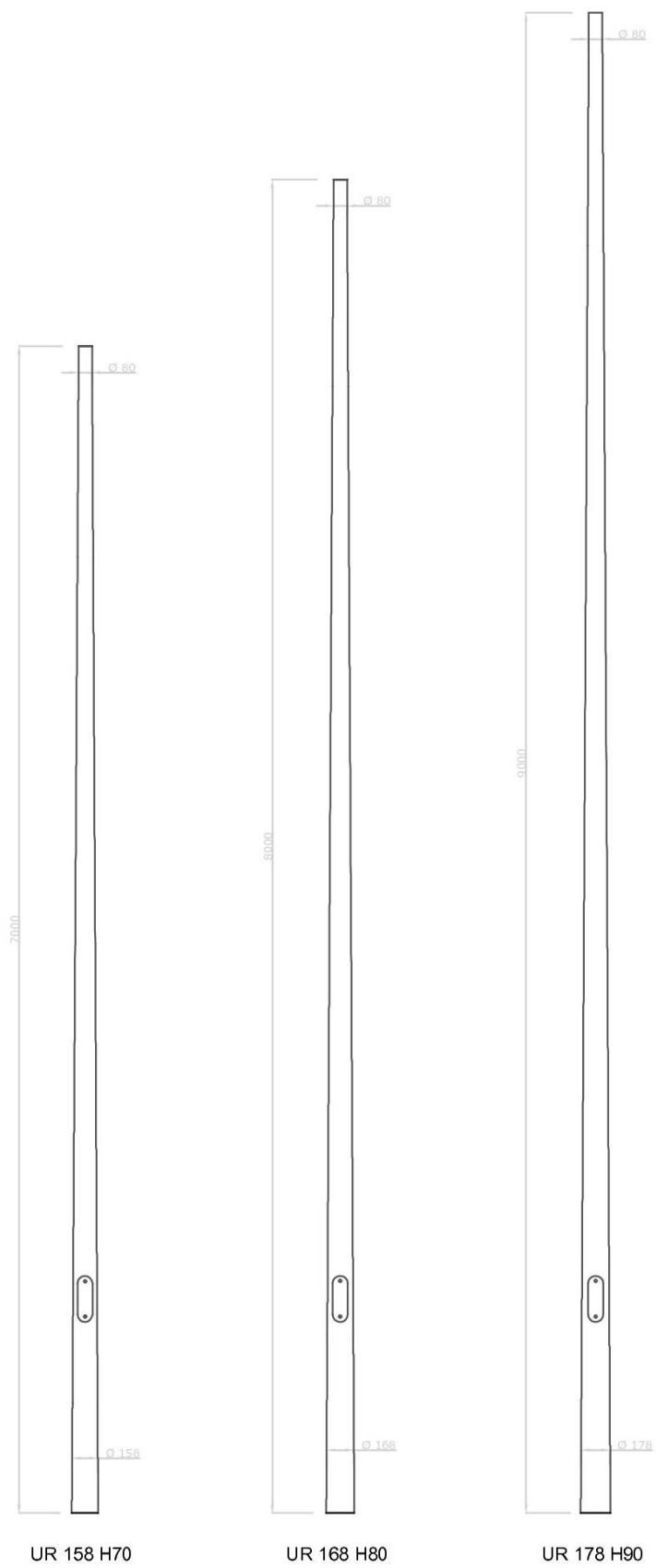


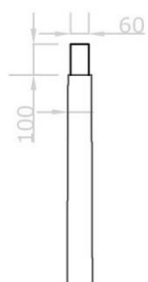
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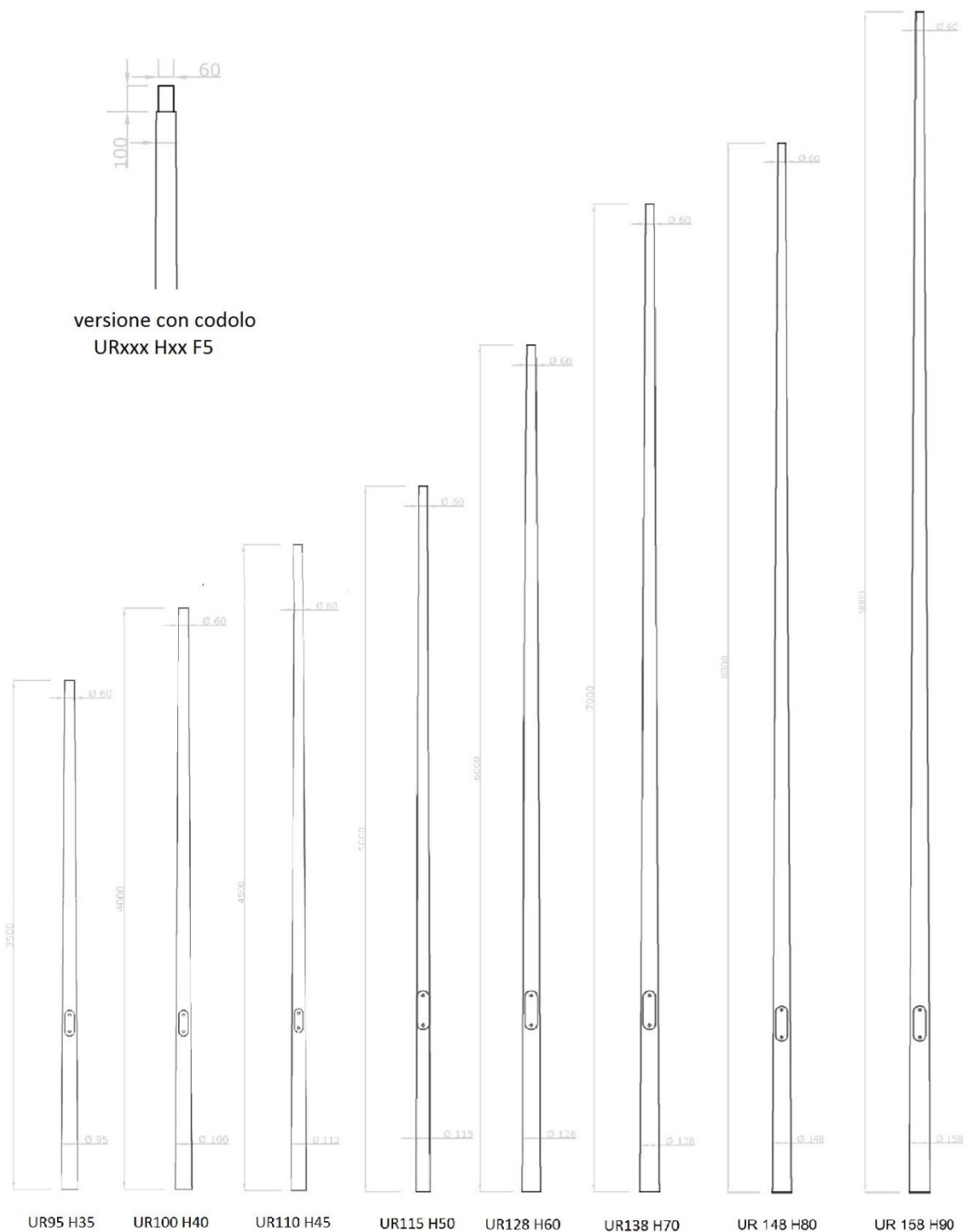
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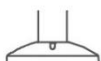




versione con codolo  
URxxx Hxx F5

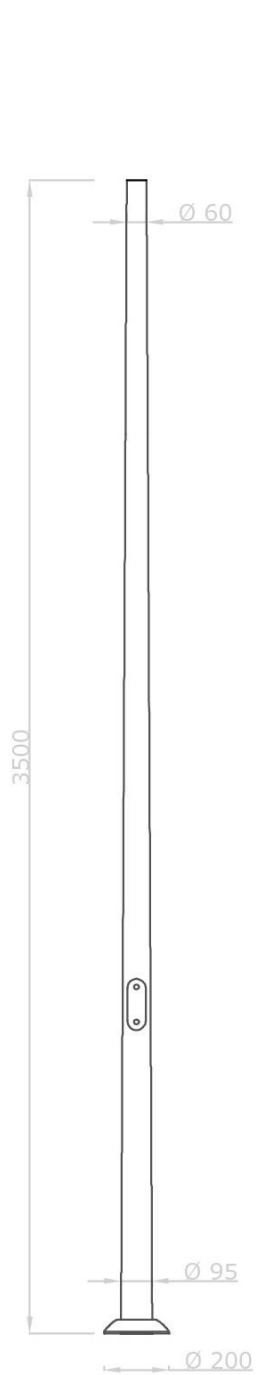


Base con rosone R01  
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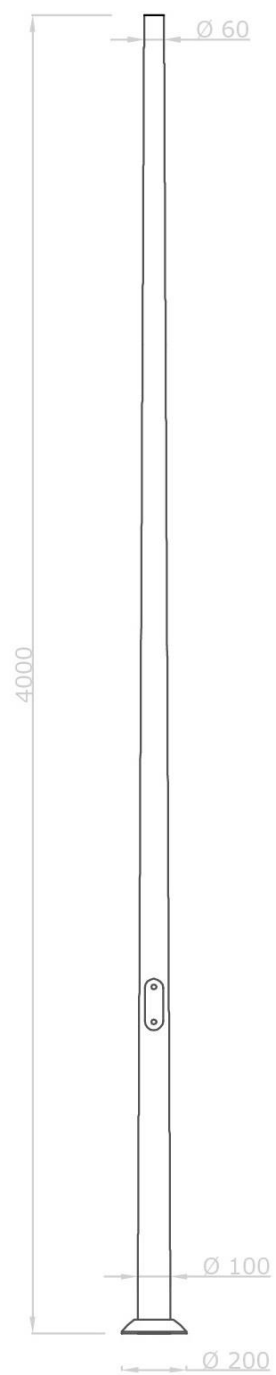


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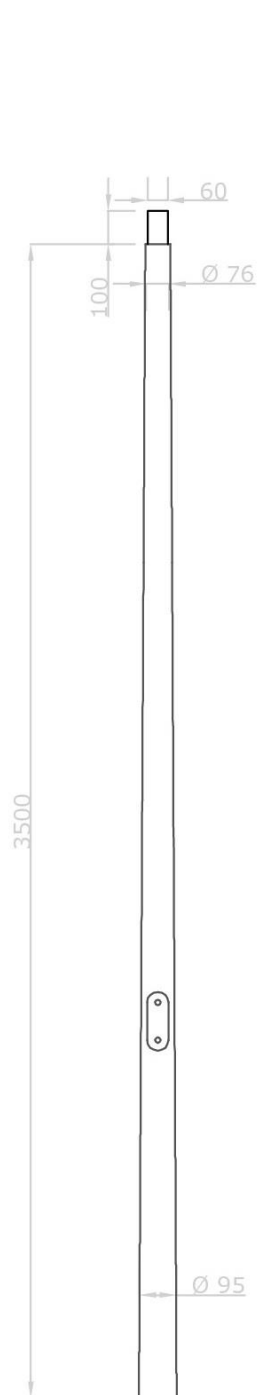




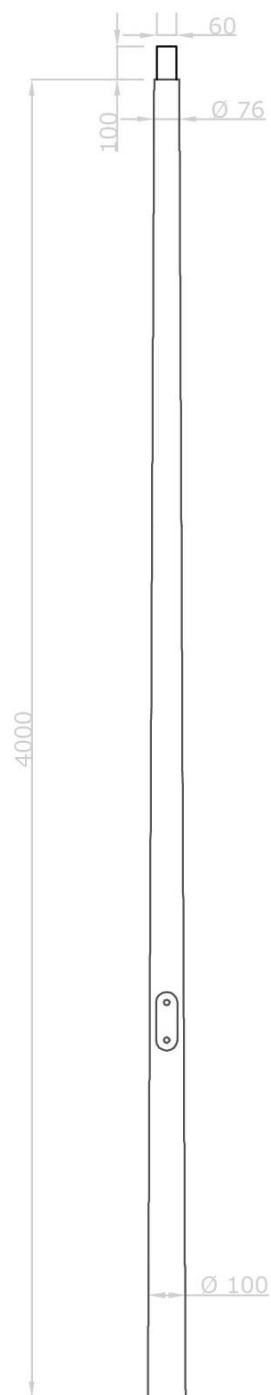
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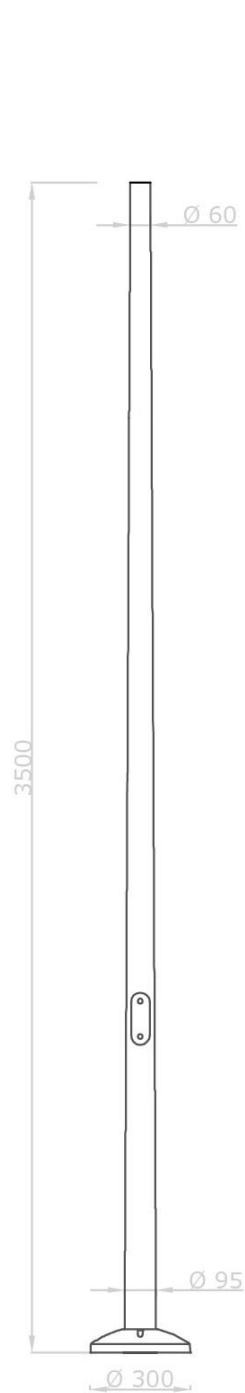
UR 100 H40 R01



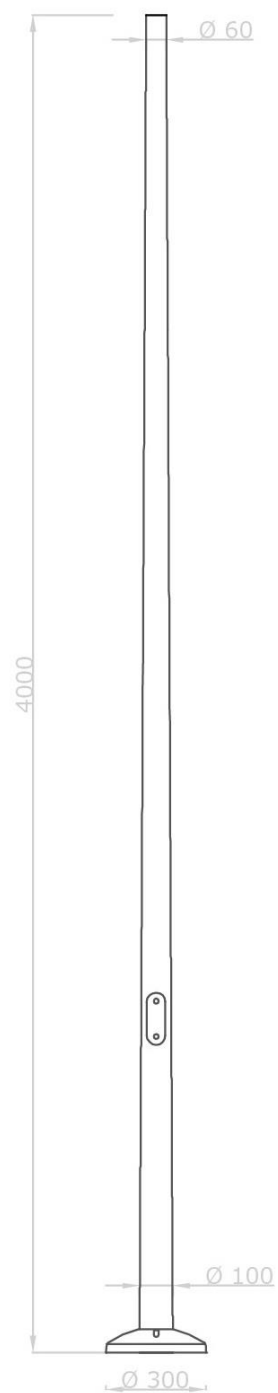
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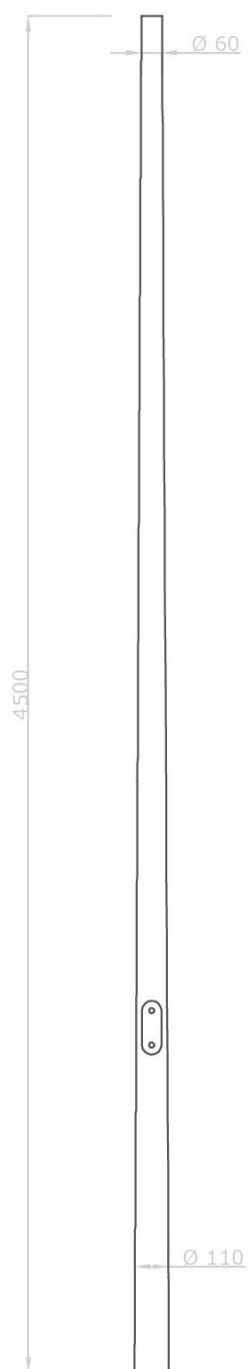
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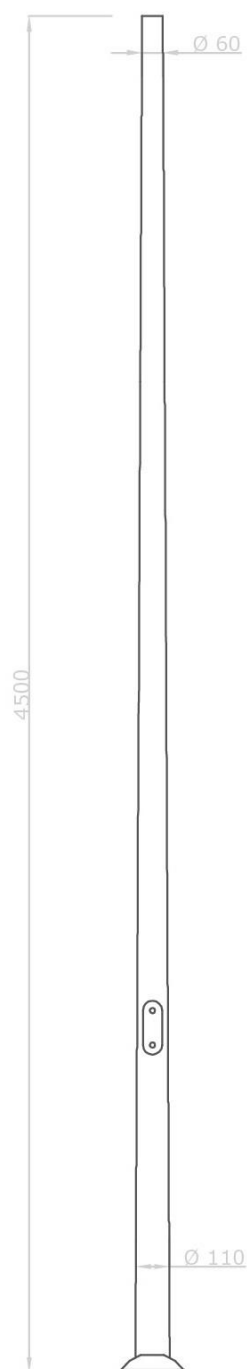
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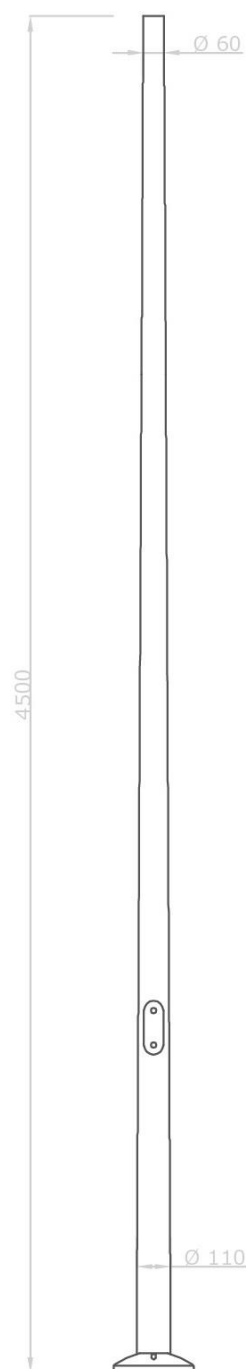
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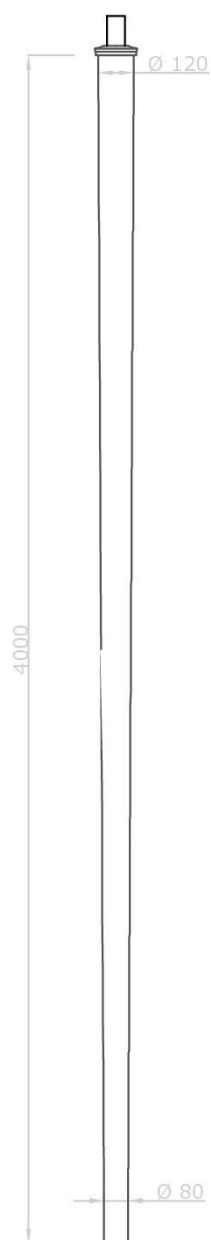
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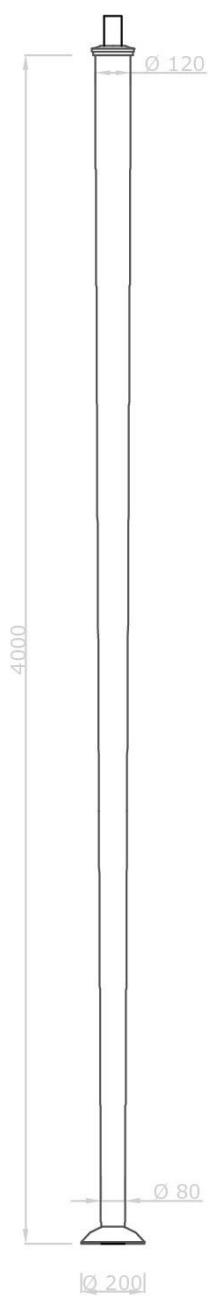
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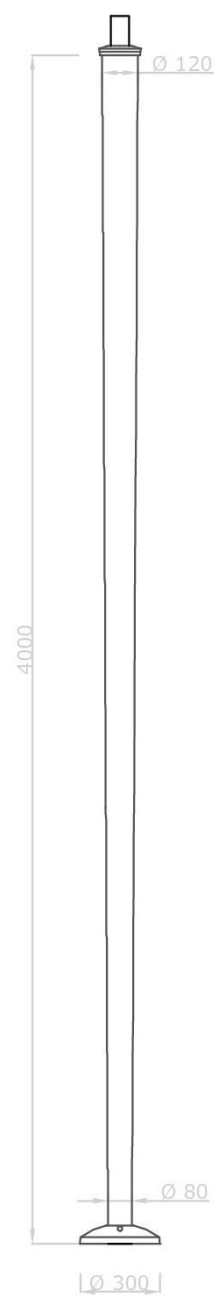
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UR 080 H40 F1

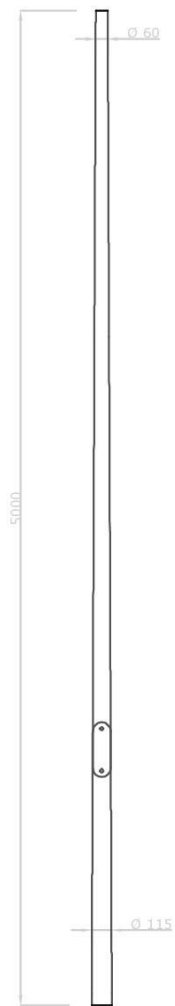


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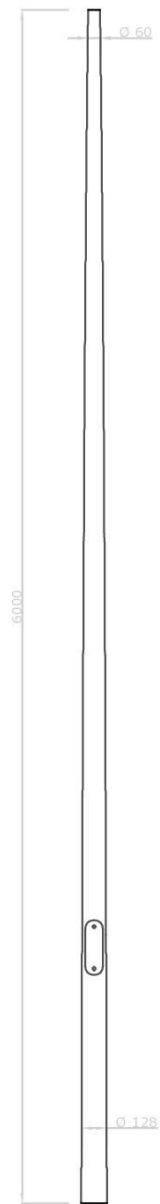


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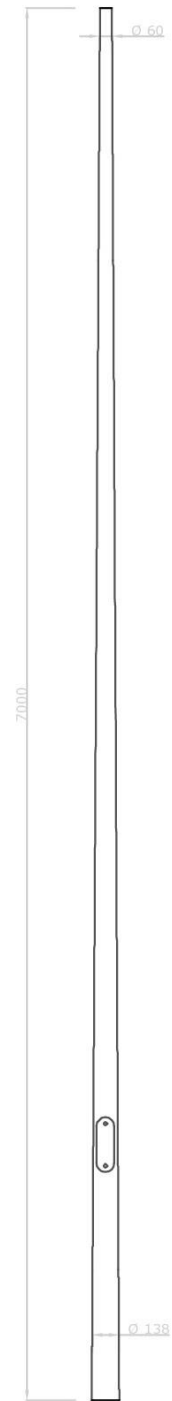




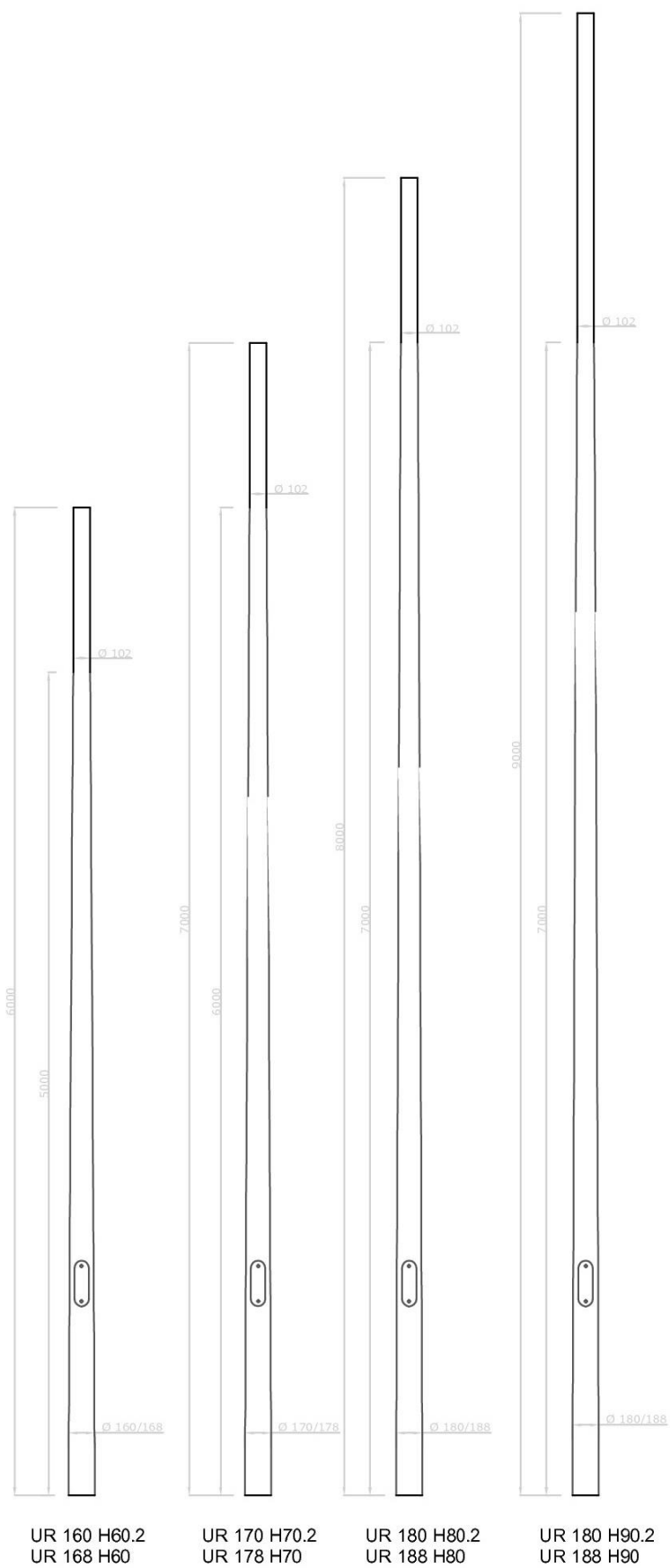
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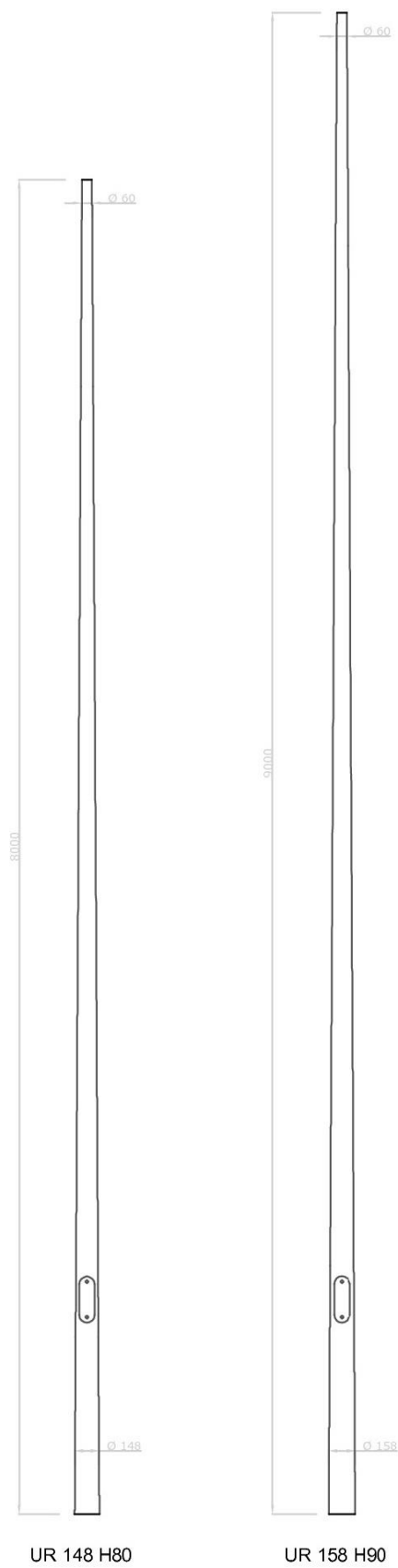


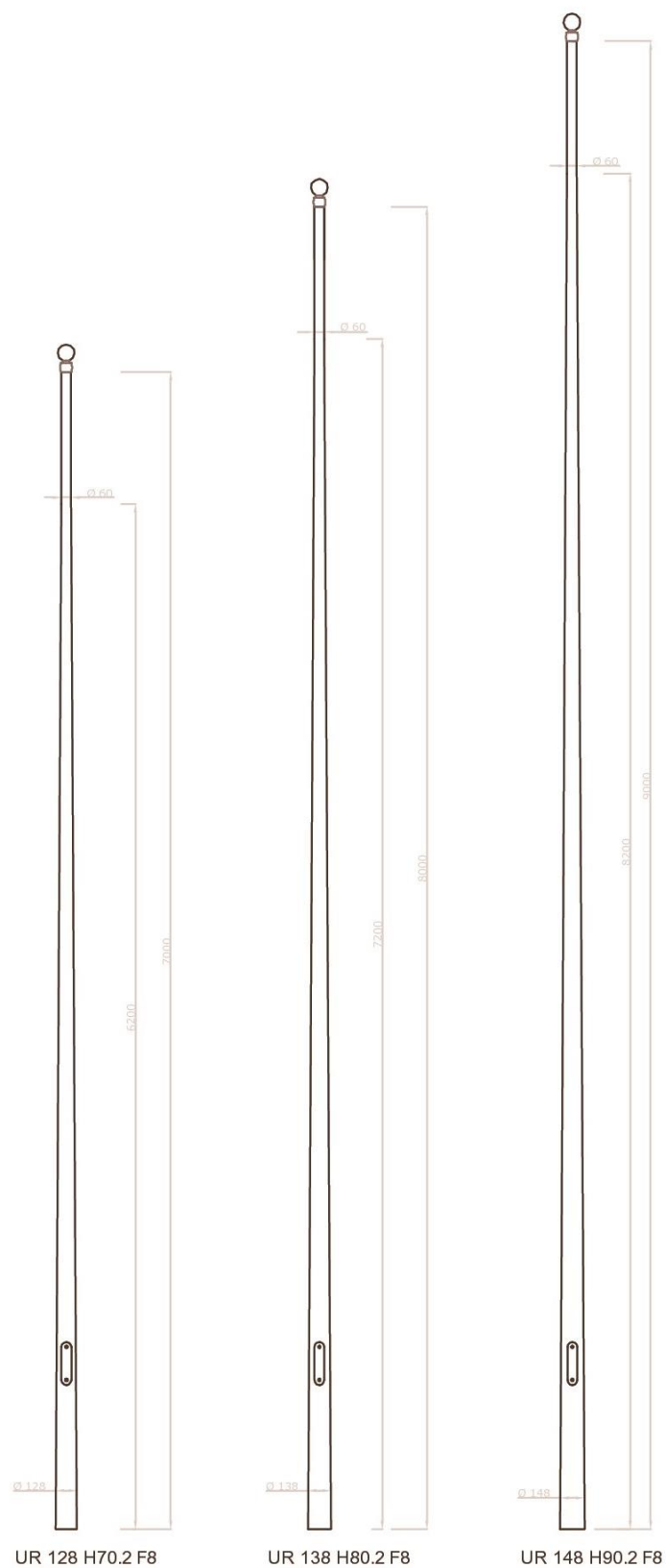
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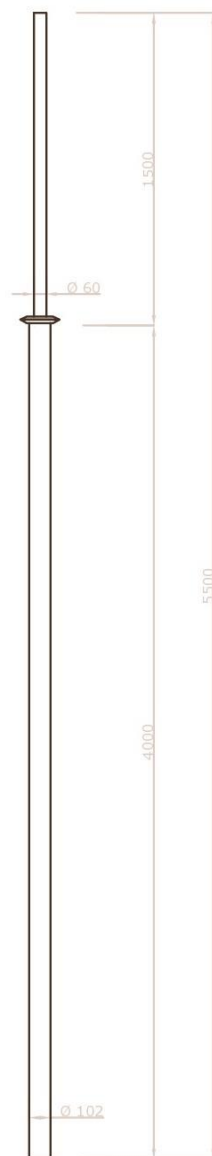


UR 138 H70









UR 102 H55.2

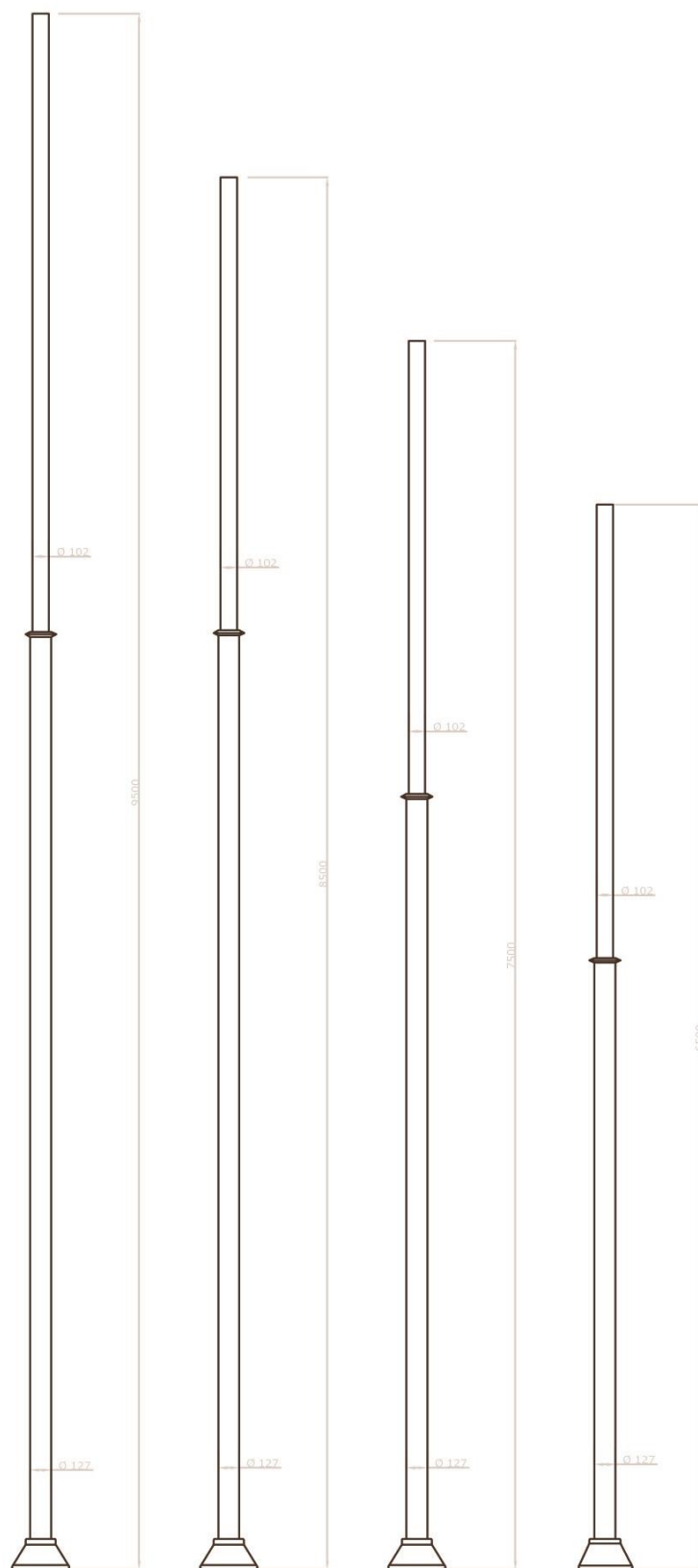


UR 102 H65.2



UR 102 H75.2



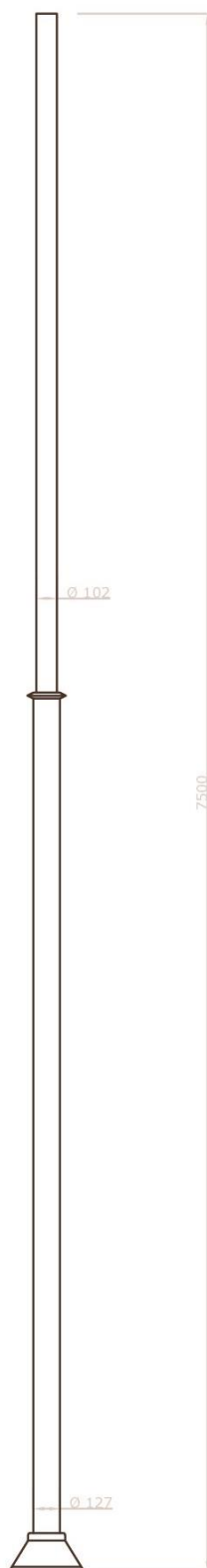


UR 127 H95.2 R03

UR 127 H85.2 R03

UR 127 H75.2 R03

UR 127 H65.2 R03



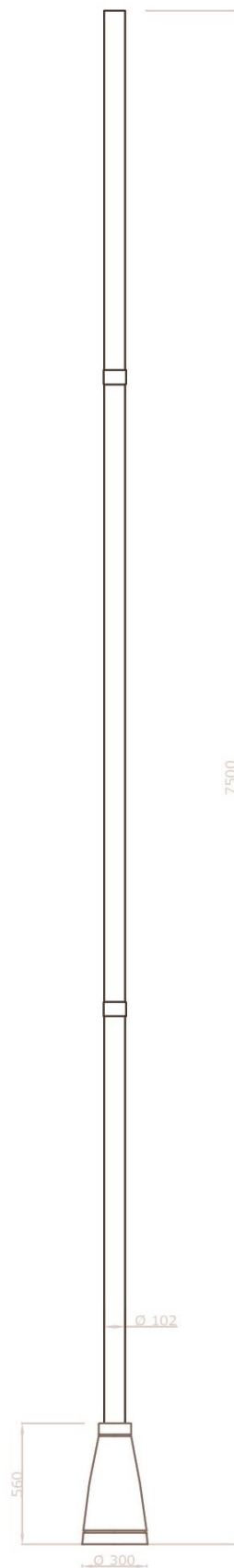
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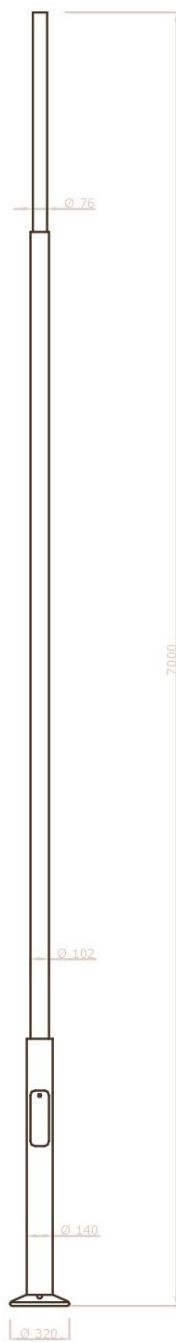
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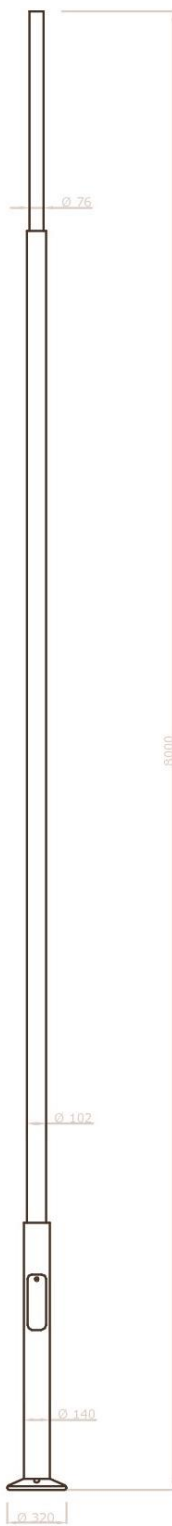
UR 159 H73.3 F8



UR 102 H75 B06



UR 140 H70.3 R02



UR 140 H80.3 R02



UR 140 H90.3 R02

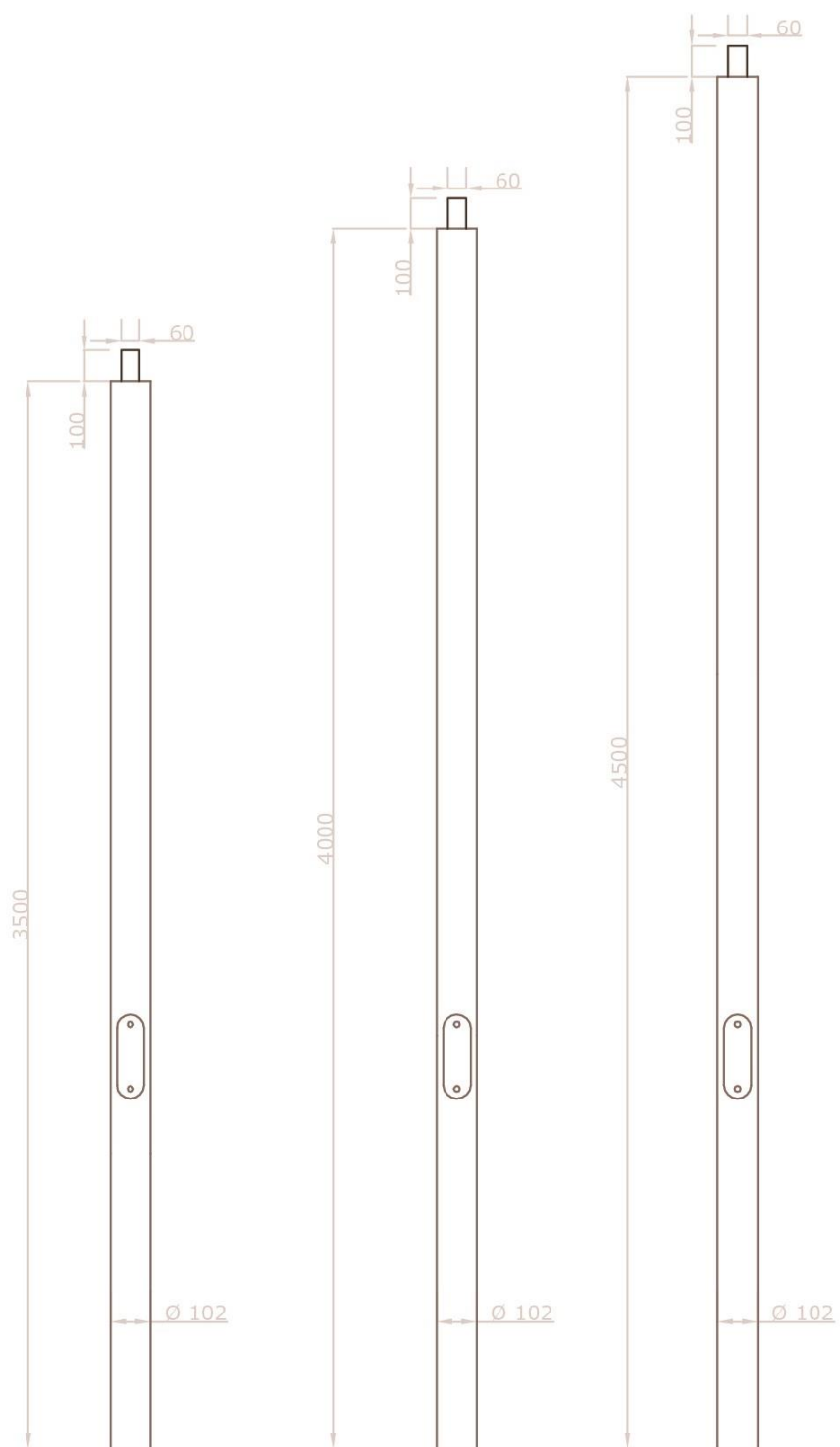


UR 159 H83.2 F8



UR 159 H73.2 F8

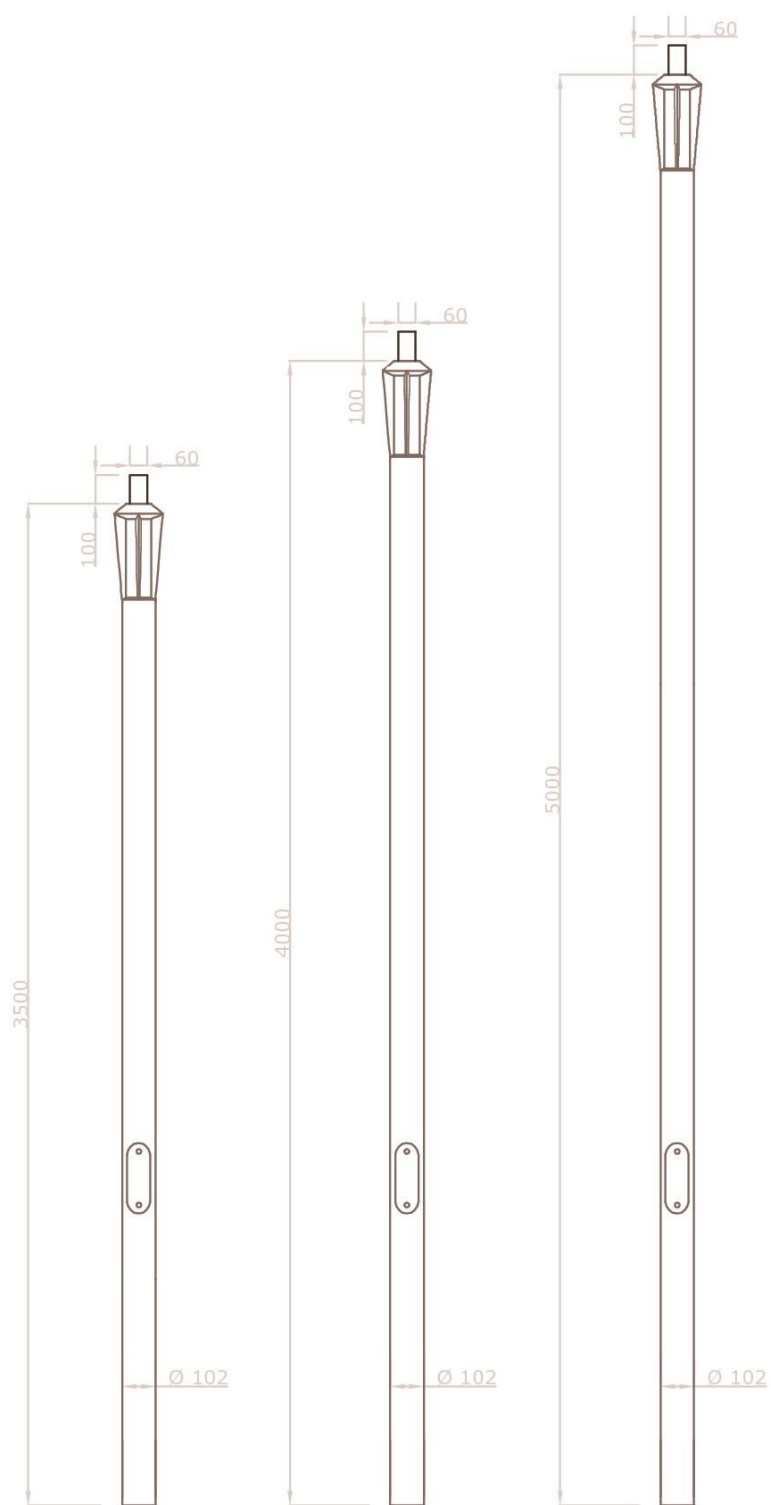




UR 102 H35 F5

UR 102 H40 F5

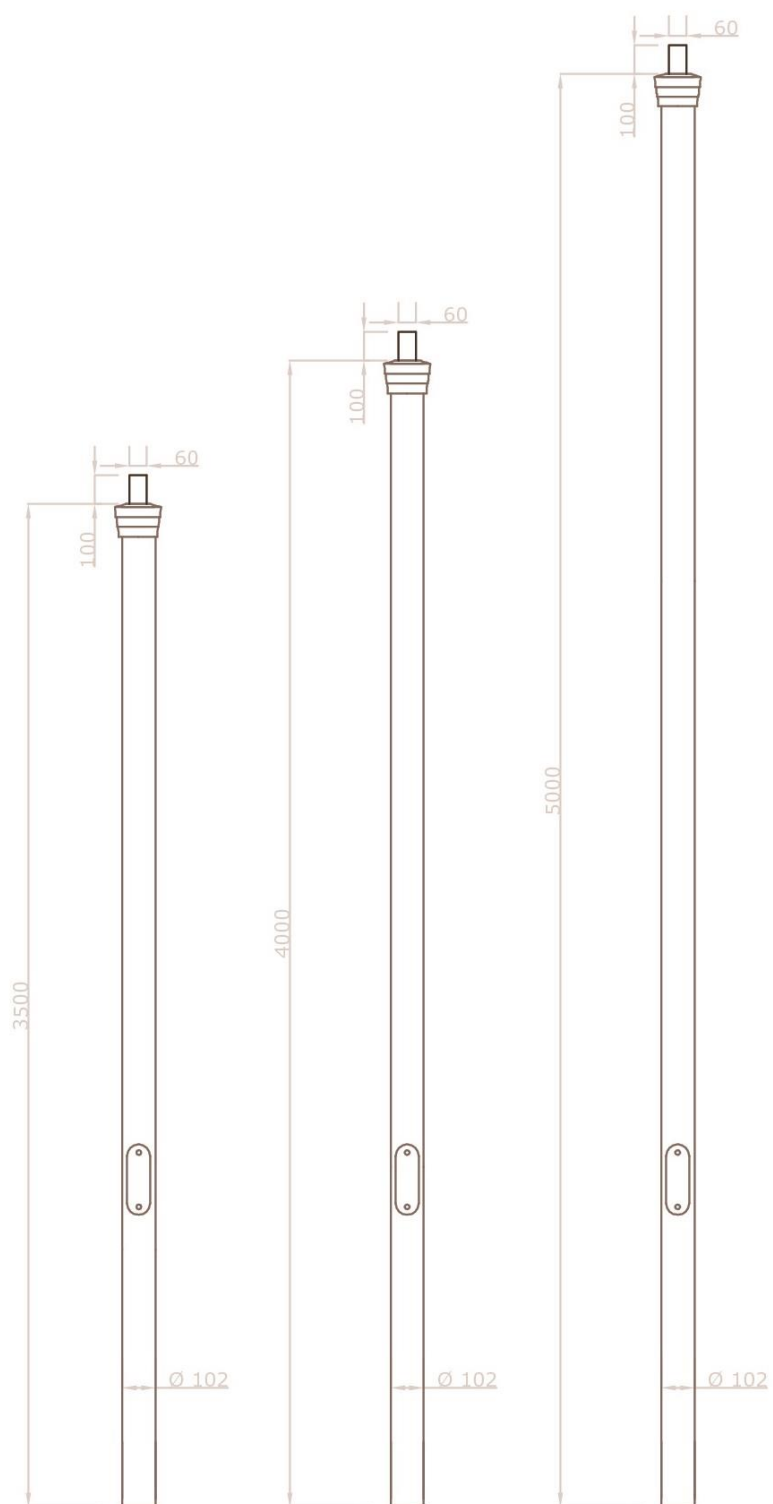
UR 102 H45 F5



UR 102 H35 F6

UR 102 H40 F6

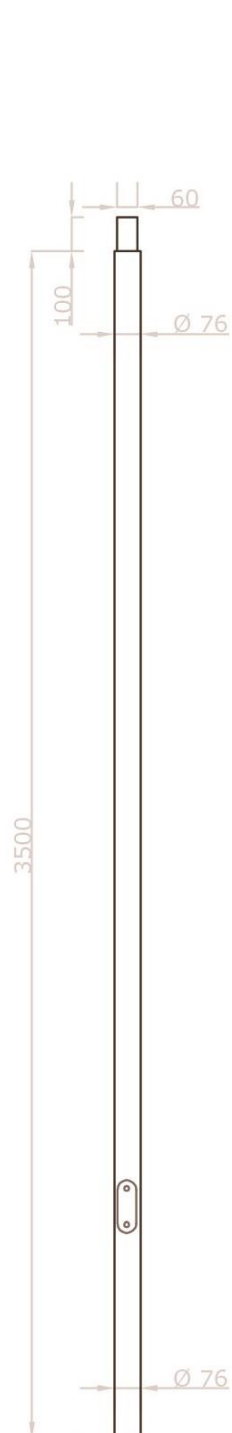
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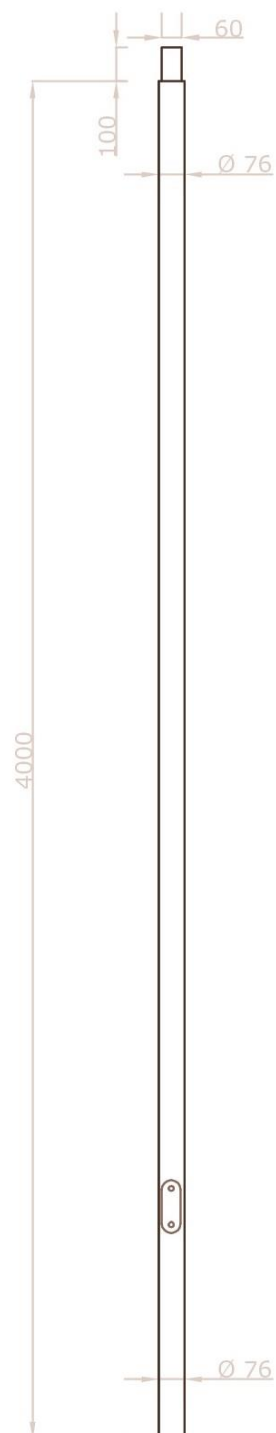
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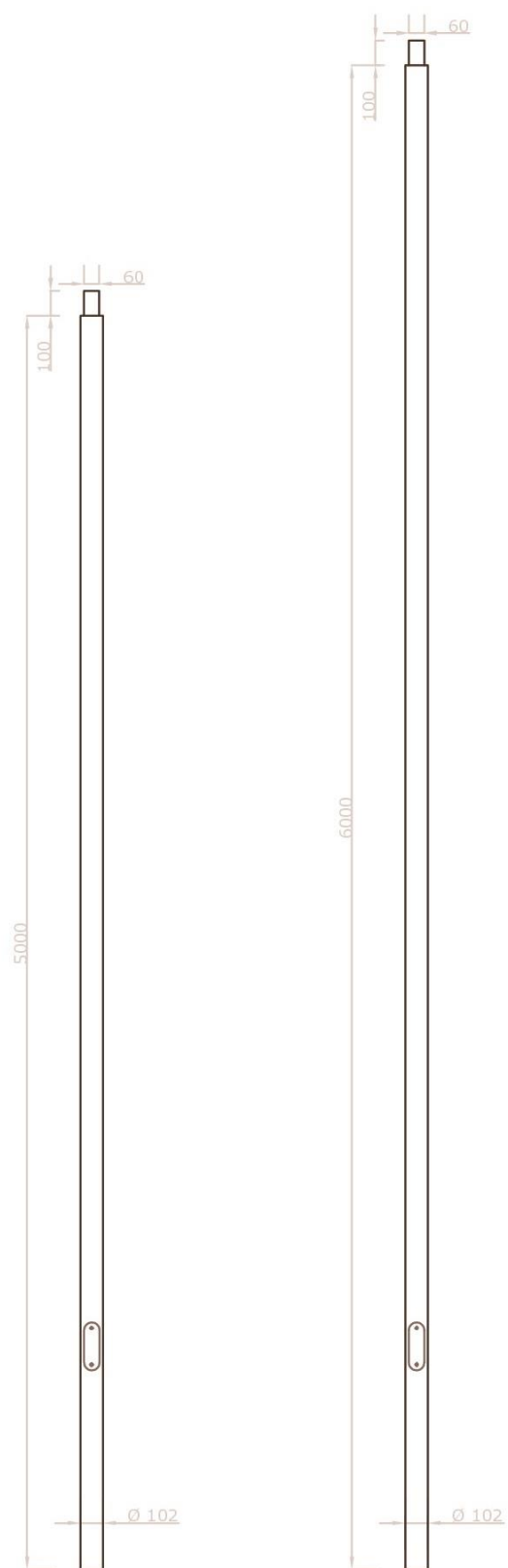
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UR 076 H35 F5



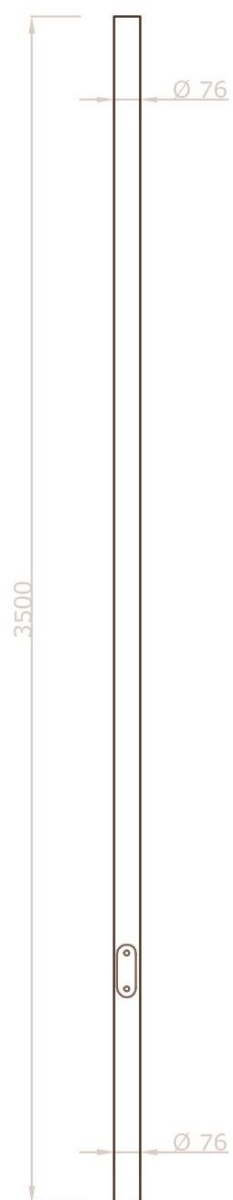
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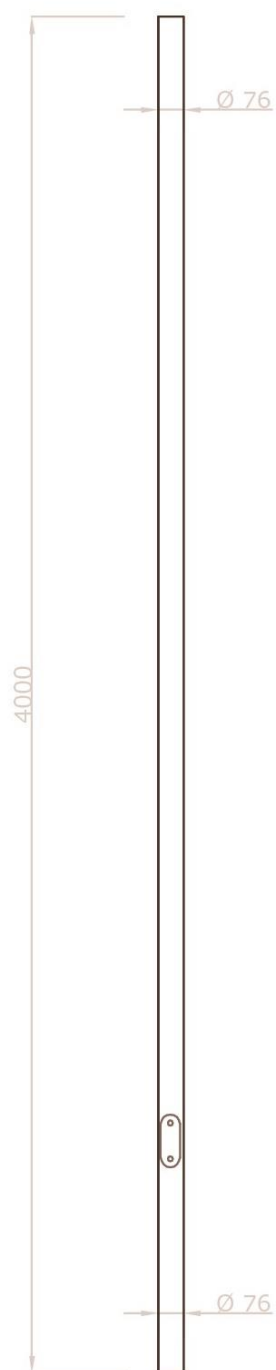
UR 102 H50 F5

UR 102 H60 F5

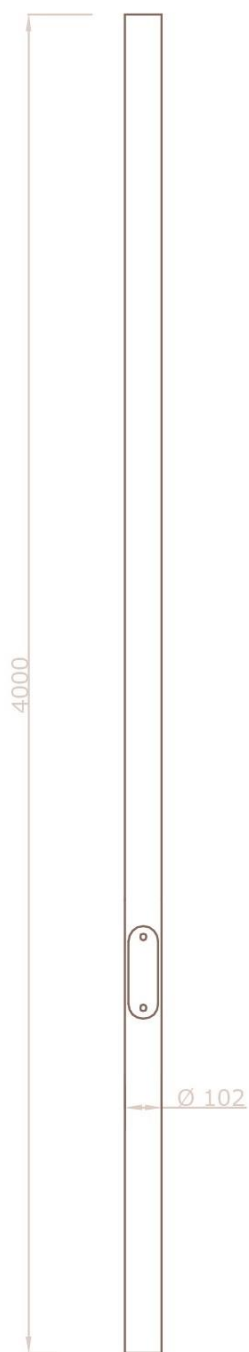




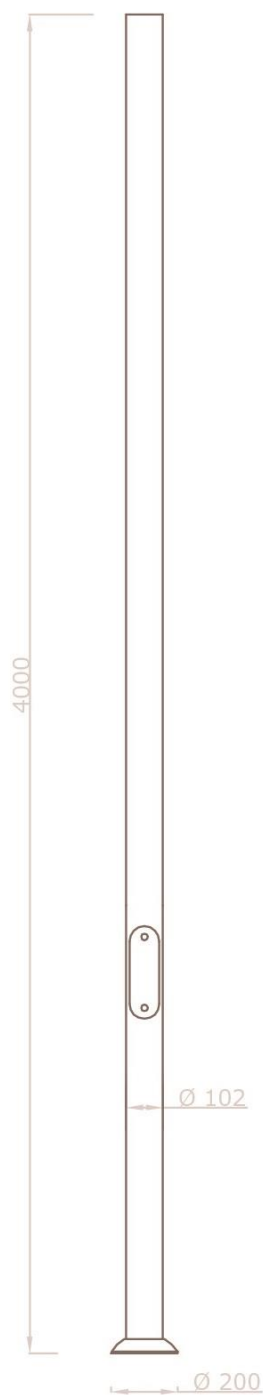
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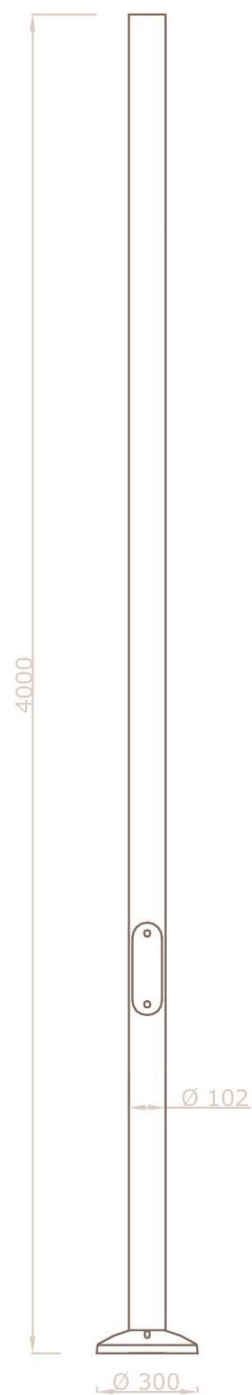
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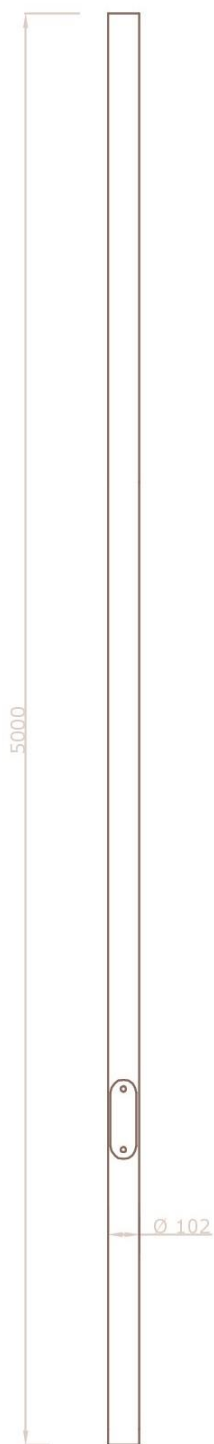
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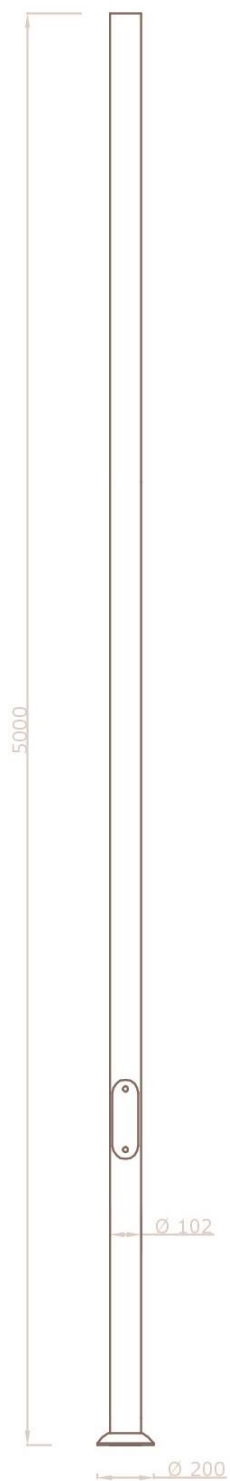
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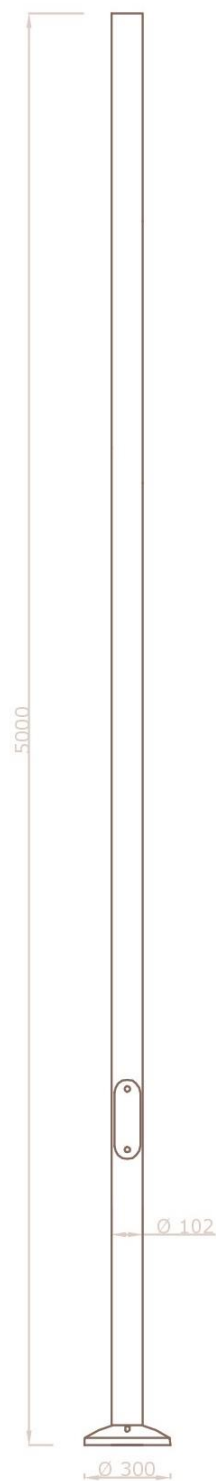
UR 102 H40 R02



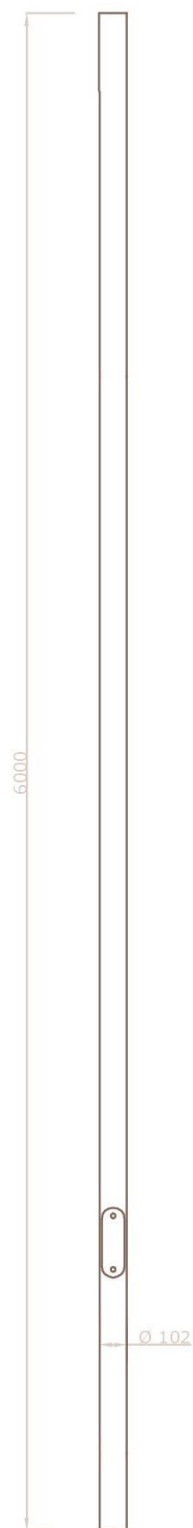
UR 102 H50



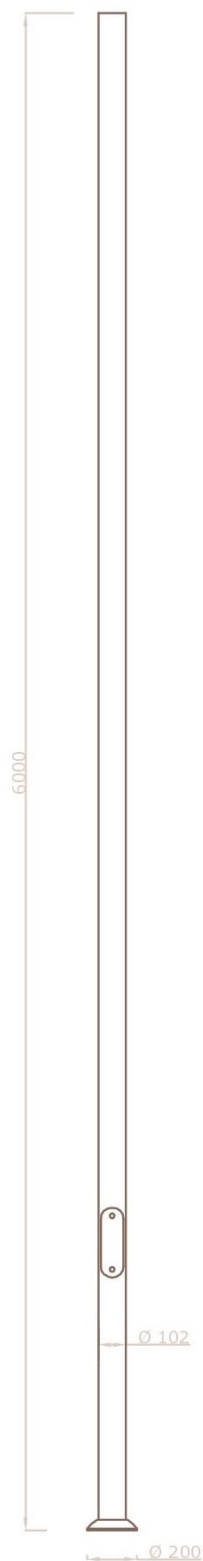
UR 102 H50 R01



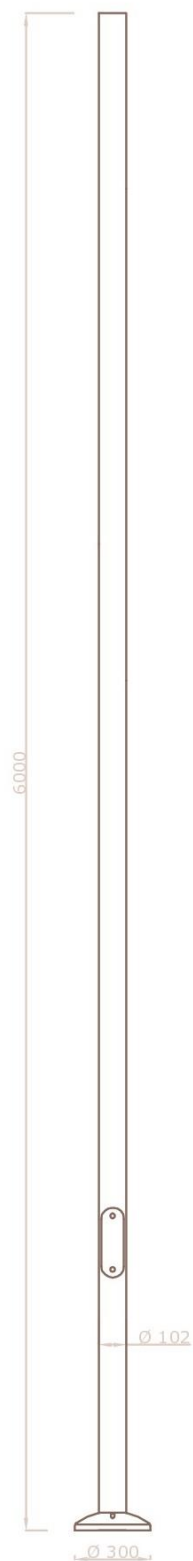
UR 102 H50 R02



UR 102 H60



UR 102 H60 R01



UR 102 H60 R02



PALI  
classic



## Divisione Classic Serie Acciaio

### Composizione:

Stelo a vista di varie sezioni rastremate costruito in acciaio FE 360 B EN 10025, completo di inserto di messa a terra, asola di ingresso dei cavi 132 x 38 mm e asola per morsettiera di 186 x 45 mm con relativa morsettiera quadripolare completa di coperchio in fusione di alluminio; tutto quanto posizionato all'interno della base quando esistente. Base inferiore di forma circolare troncoconica, altezza 850 mm base Ø 320 mm, con portella frontale apribile, con nodi intermedi e finale centrale costruiti in fusione di Alluminio lega G ALMG3 PERALUMAN-34, avente particolari caratteristiche di tenacità e di elevata resistenza alla corrosione derivata dall'aggressione ambientale e da nebbia salina. Supporti superiori per bracci costituiti da elementi in acciaio elettrosaldato a 1 - 2 - 3 attacchi con fissaggio dei bracci tramite grani in acciaio inox. Possibilità di scorrere gli attacchi sullo stelo per personalizzare la posizione del braccio. Braccio superiore realizzato in tubo di acciaio zincato piegato e sporgente, a seconda dei vari modelli, con finale in lega di alluminio nella parte inferiore del braccio.

Il trattamento di finitura per il palo, per gli attacchi dei bracci e per i bracci comprende la zincatura a caldo per immersione secondo le norme UNI - EN 40/4, la fosfocromatazione in bagno, quindi la verniciatura con polveri poliestere colore nero AKZO 200 effetto grafite e successivamente la polimerizzazione in forno a 180 °C.

Il trattamento di finitura delle fusioni di alluminio comprende la granigliatura, la fosfocromatazione in bagno, quindi la verniciatura con polveri poliestere colore nero AKZO 200 effetto grafite e successivamente la polimerizzazione in forno a 180 °C.

I calcoli strutturali sono stati effettuati in accordo con le relative normative tecniche in vigore. Il carico di progetto per i candelabri con bracci multipli è stato previsto per la classe di rugosità B fino alla categoria III in zona 5 secondo il D.M. 16/01/96 salvo diversa indicazione.

Tutti gli articoli della Divisione Classic Serie Acciaio sono costruiti nel pieno rispetto delle vigenti normative in fatto di qualità prodotto e di sicurezza di esercizio. Le lavorazioni meccaniche dei vari articoli sono eseguite con macchine utensili a CNC, e tutta la produzione è rigorosamente e sistematicamente controllata. Test finali sono effettuati presso i più accreditati laboratori nazionali ed esteri. Su tutta la produzione I.L.S. è applicata la marcatura CE, conformemente alle direttive CEE.

## *Classic Division Steel Series*

### **Composition:**

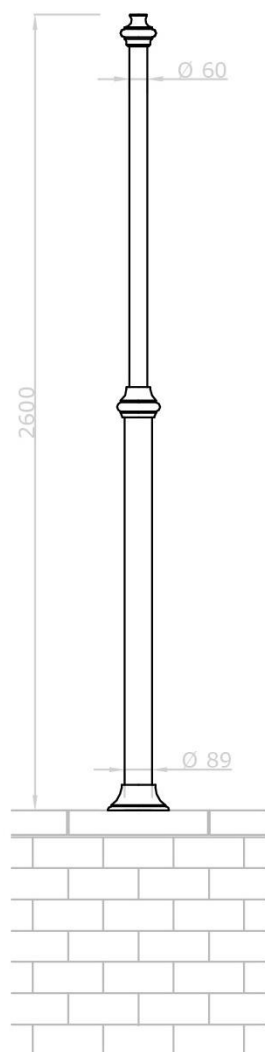
Visible stem in several, tapered sections, built in steel pipe FE 360 B EN 10025. Equipped with ground connection, buttonhole of entry of the cables 132 x 38 mm and buttonhole for terminal board of 186 x 45 mm with appropriate quadripole terminal board complete with cover in aluminium casting. The entire unit is located within the base when existing. Lower base in circular truncated cone shape, 850 mm height and Ø 320 base mm, with front-opening door, with intermediary decorations and central ending built in aluminium alloy G ALMG3 PERALUMAN-34 casting, which has particularly enduring qualities and enhanced resistance to corrosion derived by the environmental aggression and by salty fog. Upper supports for arms constituted by elements in electrowelded steel to 1-2-3 connections with fixing of the arms through stainless steel bolts. Possibility to slide connections on stem to personalize the position of the arm. Upper arm realized in steel pipe galvanized folded up and leaning, according to the various models, with aluminium alloy end on the lower part of the arm.

The treatment of finish for the pole, for the connections of the arms and for the arms includes the heat galvanization for immersion according to the norms UNI - EN 40/4, the phosphating and chromating bath, therefore the painting with AKZO black 200 polyester powder with graphite effect and subsequently the polymerization in furnace to 180°C.

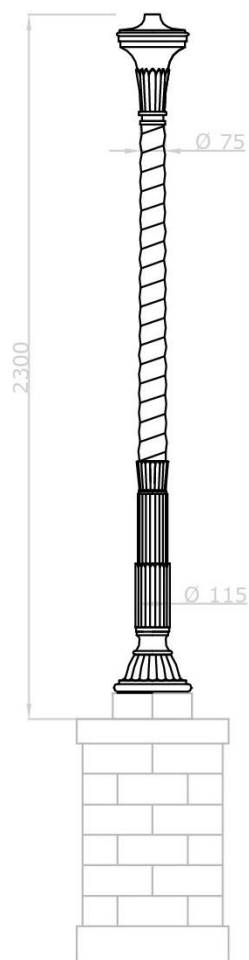
The treatment of finish of the aluminum fusions includes the shot-blasting, the phosphating and chromating bath, therefore the painting with AKZO black 200 polyester powder with effect graphite and subsequently the polymerization in furnace to 180 °C.

The structural calculations have been effected in accordance with the relevant technical legislation currently in force in the Italian territory. The load of project for the candelabra with multiple arms has been anticipated for the class of wrinkledness B up to the category III in the zone 5 according to the D.M. 16/01/96 different indication excepted.

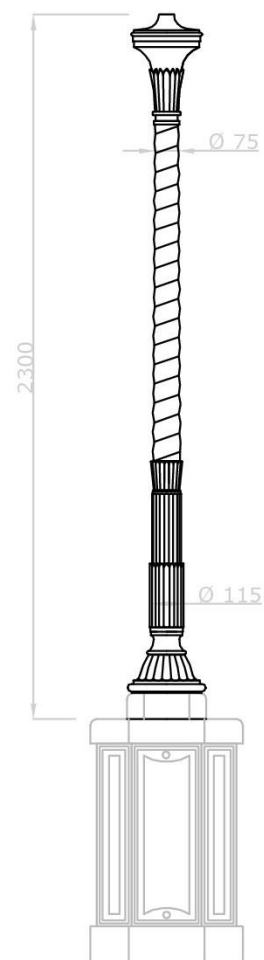
All the articles of the Classic Division Steel Series are built in the full respect of the legislation in force as regards of product quality and operation safety. The mechanical workmanships of the various articles are performed with CNC machine tools, and the whole production is rigorously and systematically checked. Final tests are effected near the most accredited national and foreign laboratories. On the whole production of the I.L.S. firm the CE mark is applied, accordingly to the directives EEC.



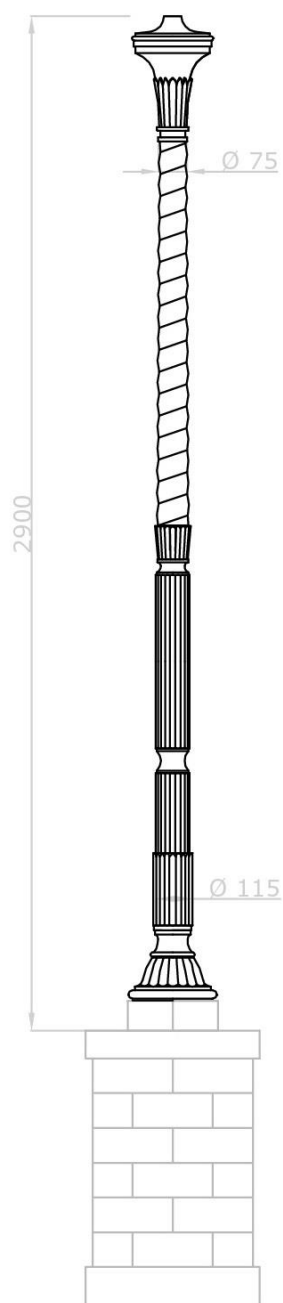
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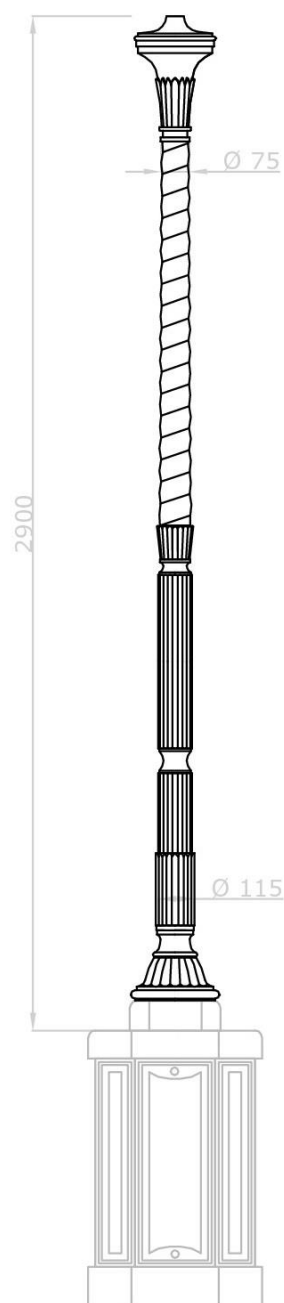
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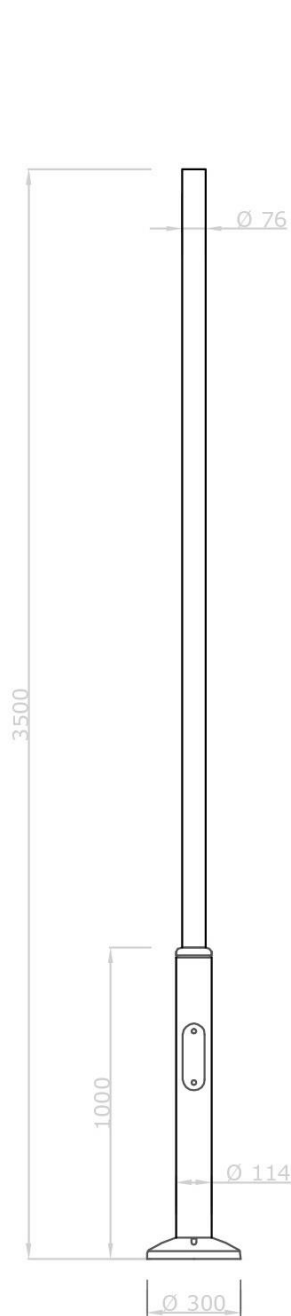
CL 116H23 B11 F4



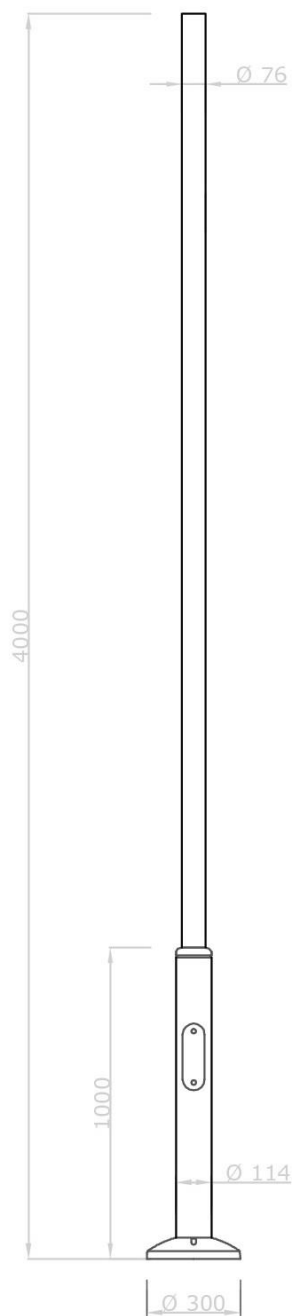
CL 115 H29 B12 F4



CL 116 H29 B12 F4

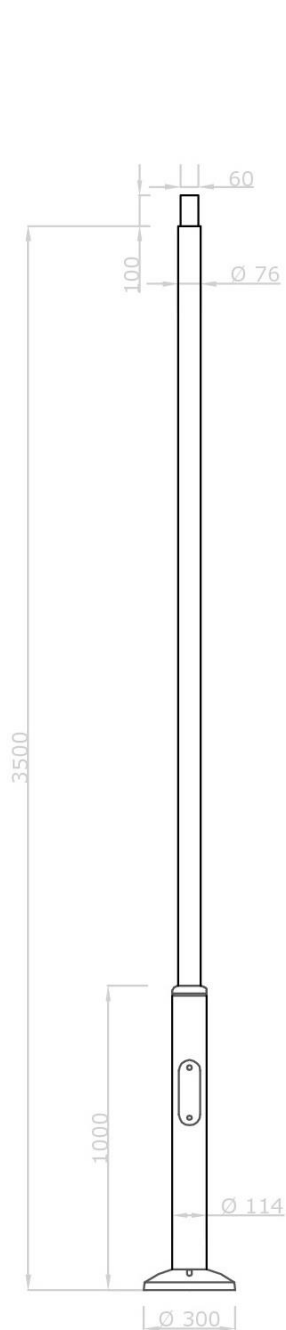


CL 114 H35.2 R02

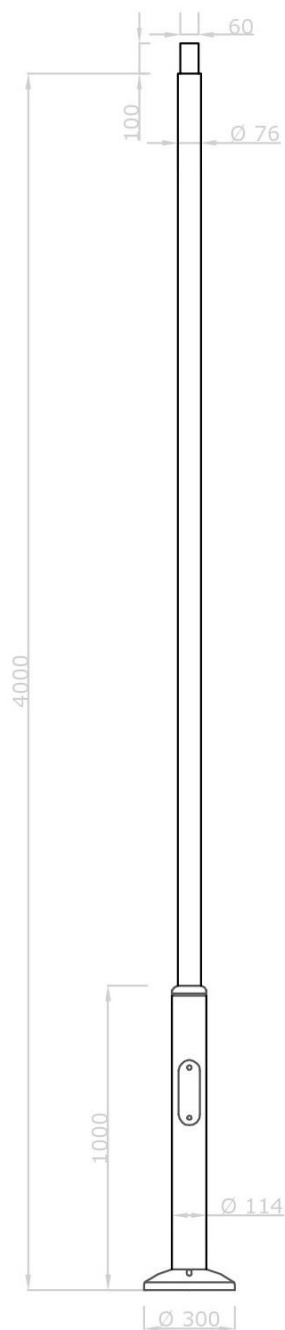


CL 114 H40.2 R02

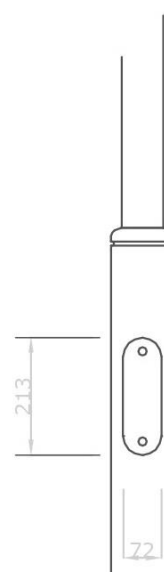




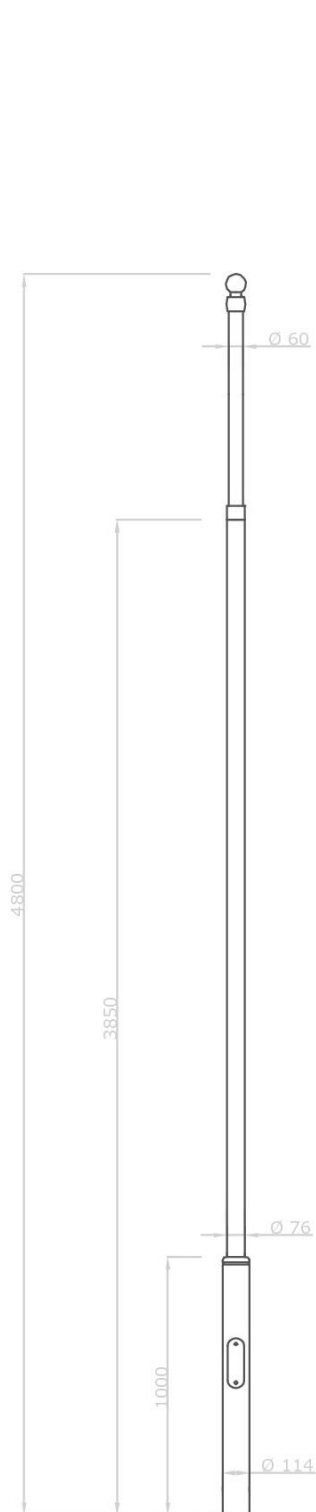
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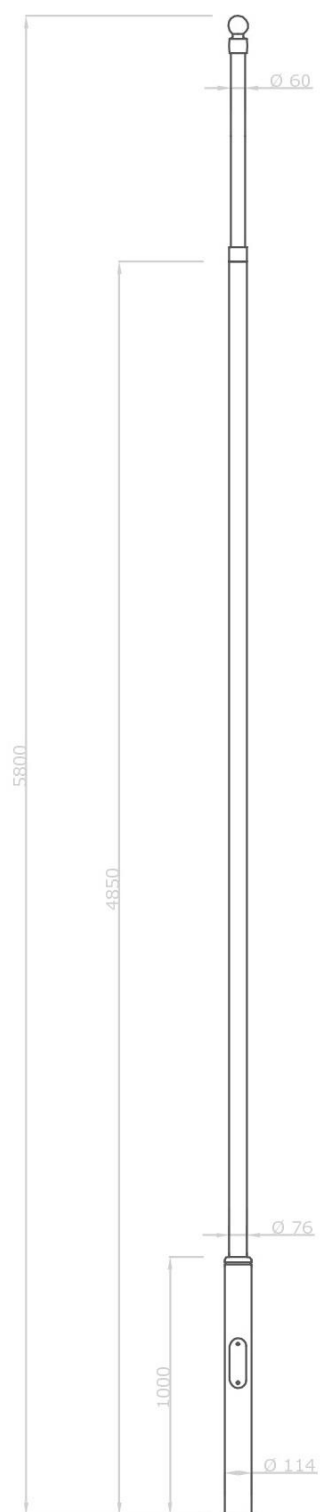
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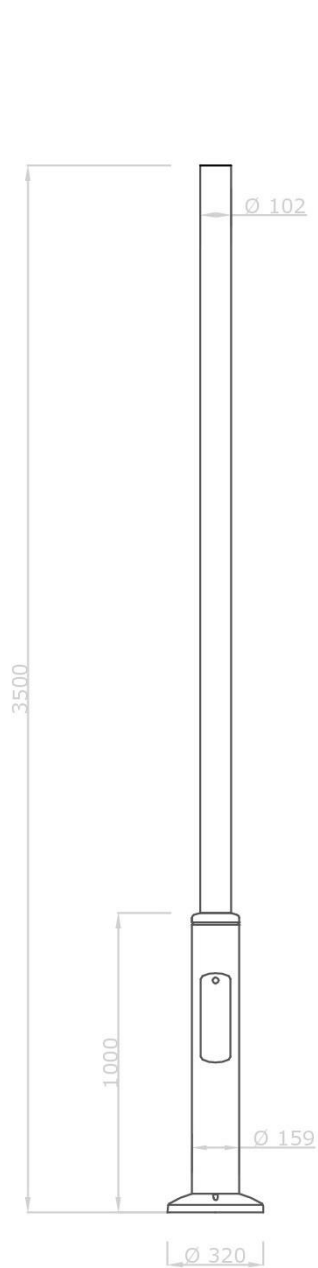




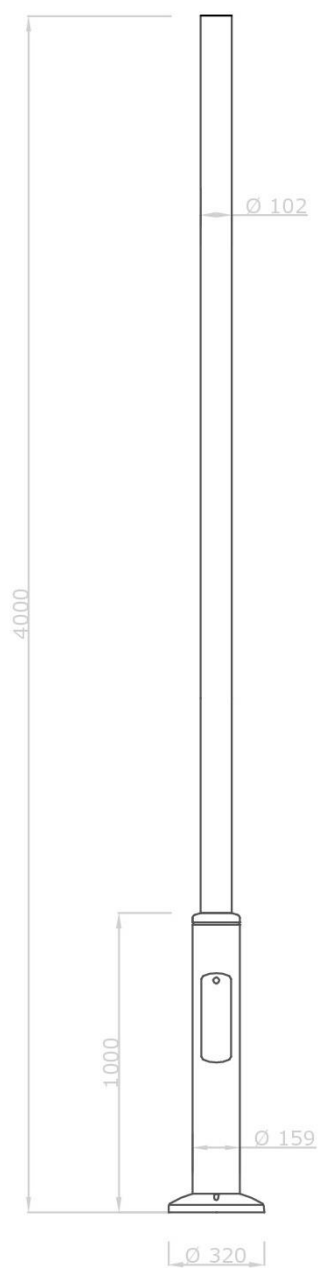
CL 114 H48.3 F8



CL 114 H58.3 F8

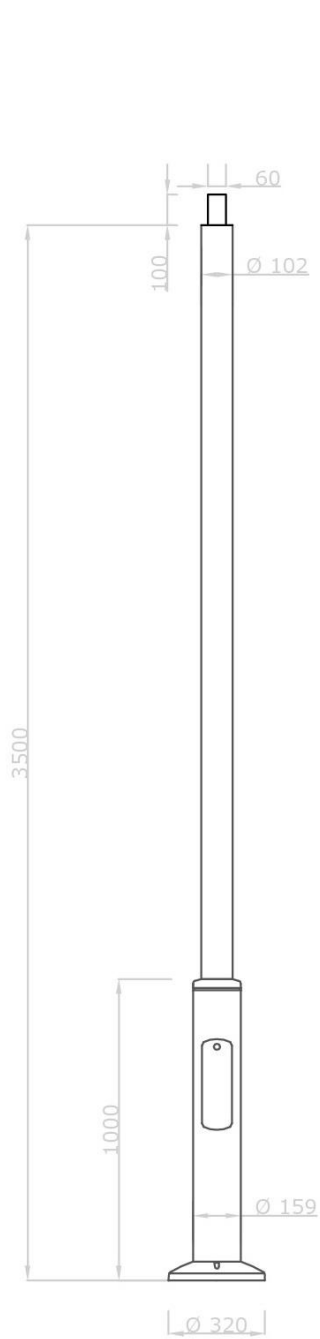


CL 159 H35.2 R02

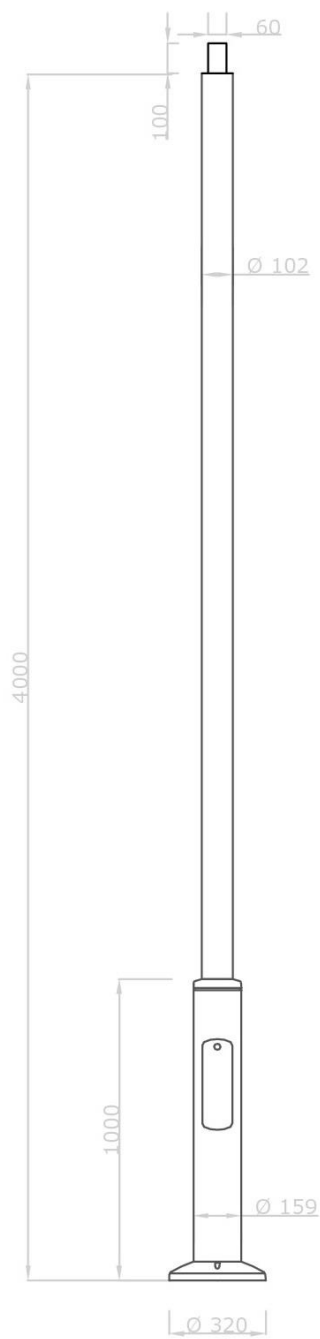


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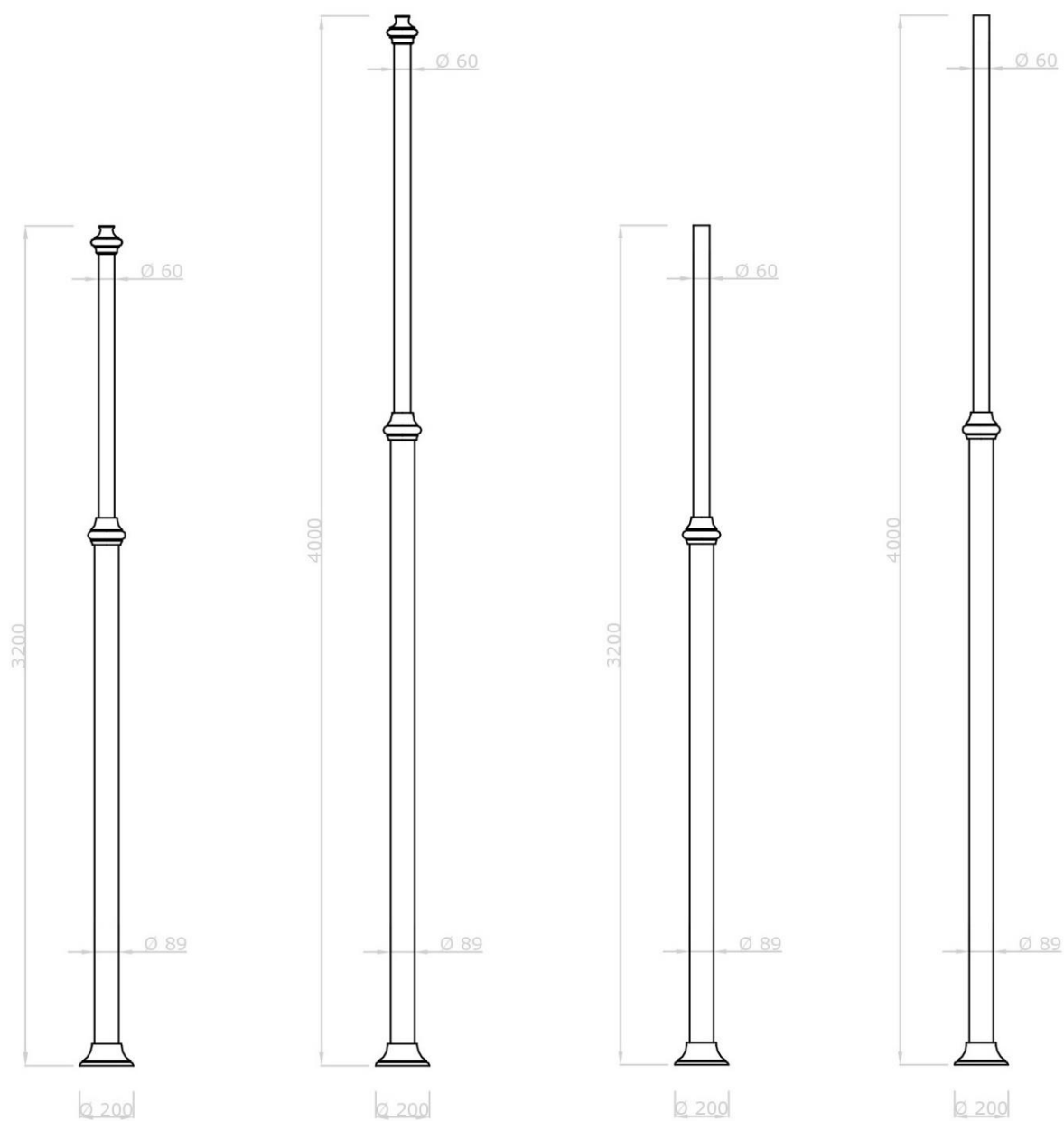


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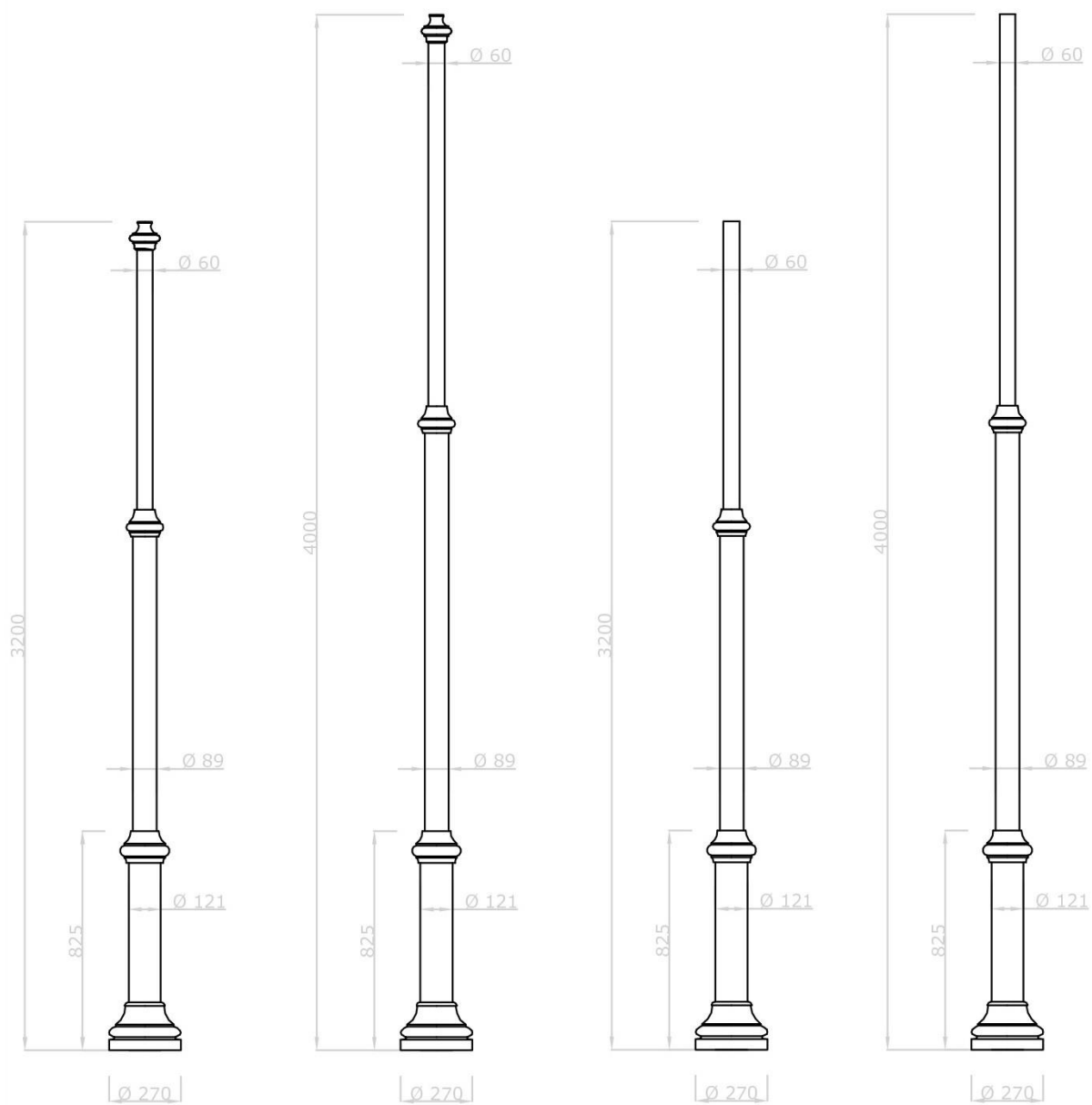


CL 159 H40.2 R02 F5

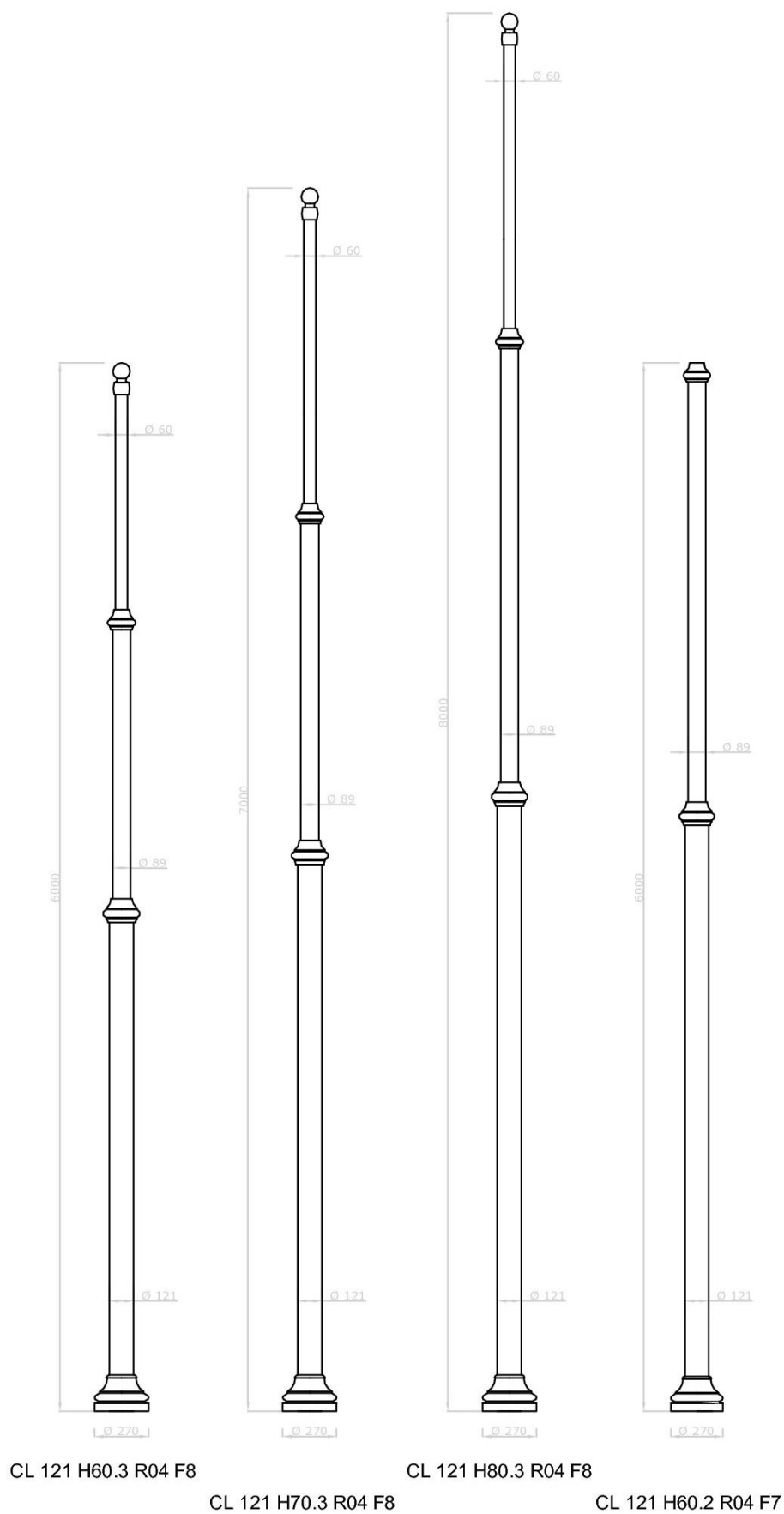




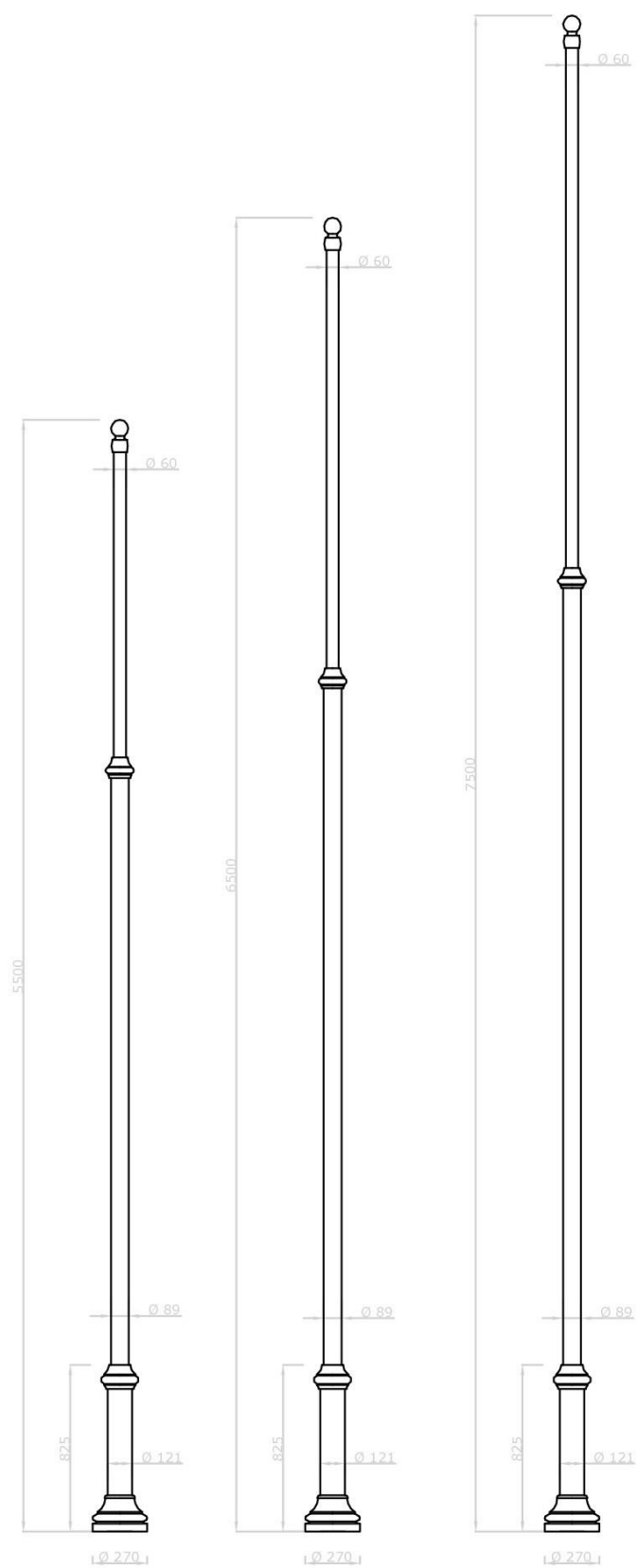
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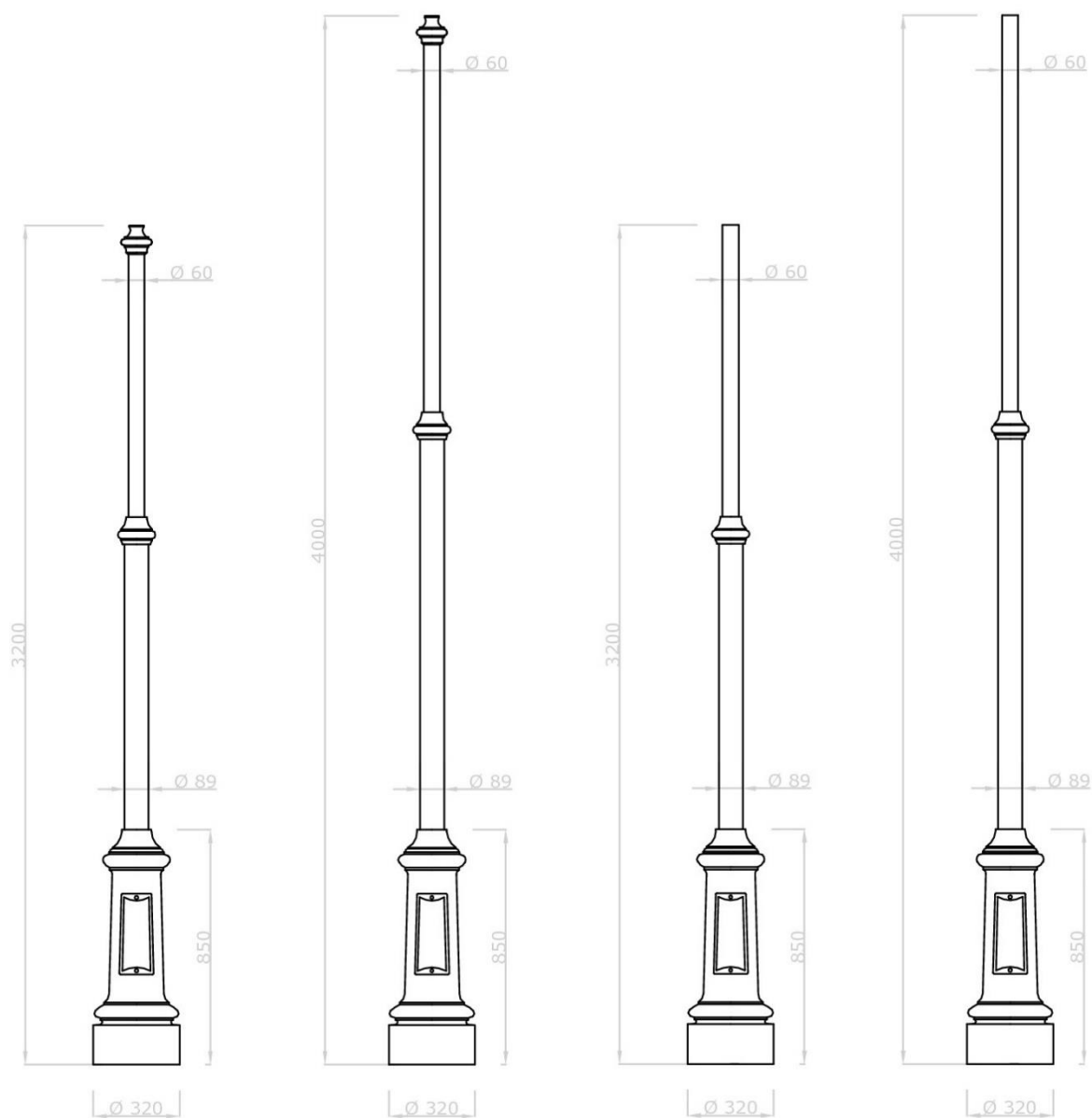
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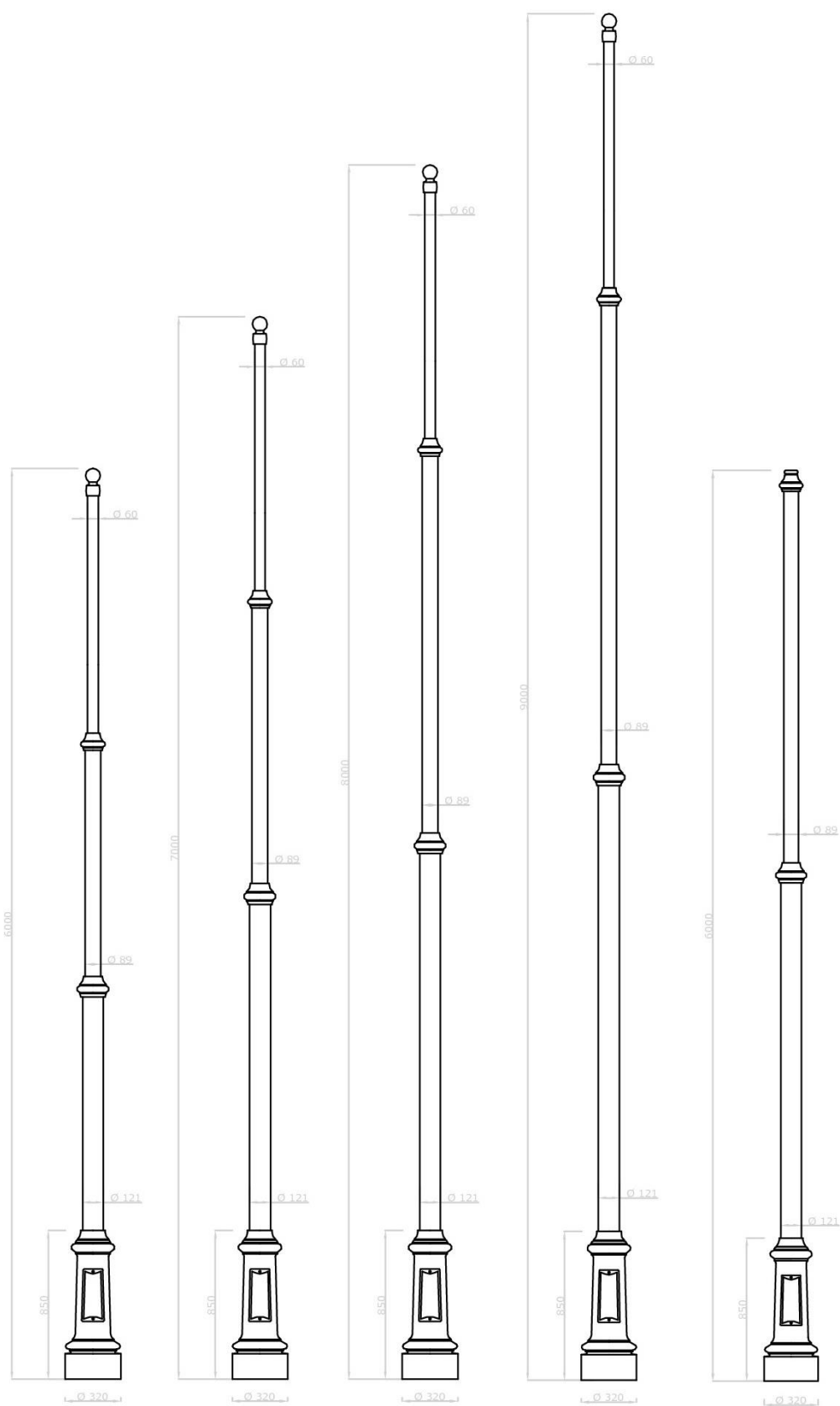


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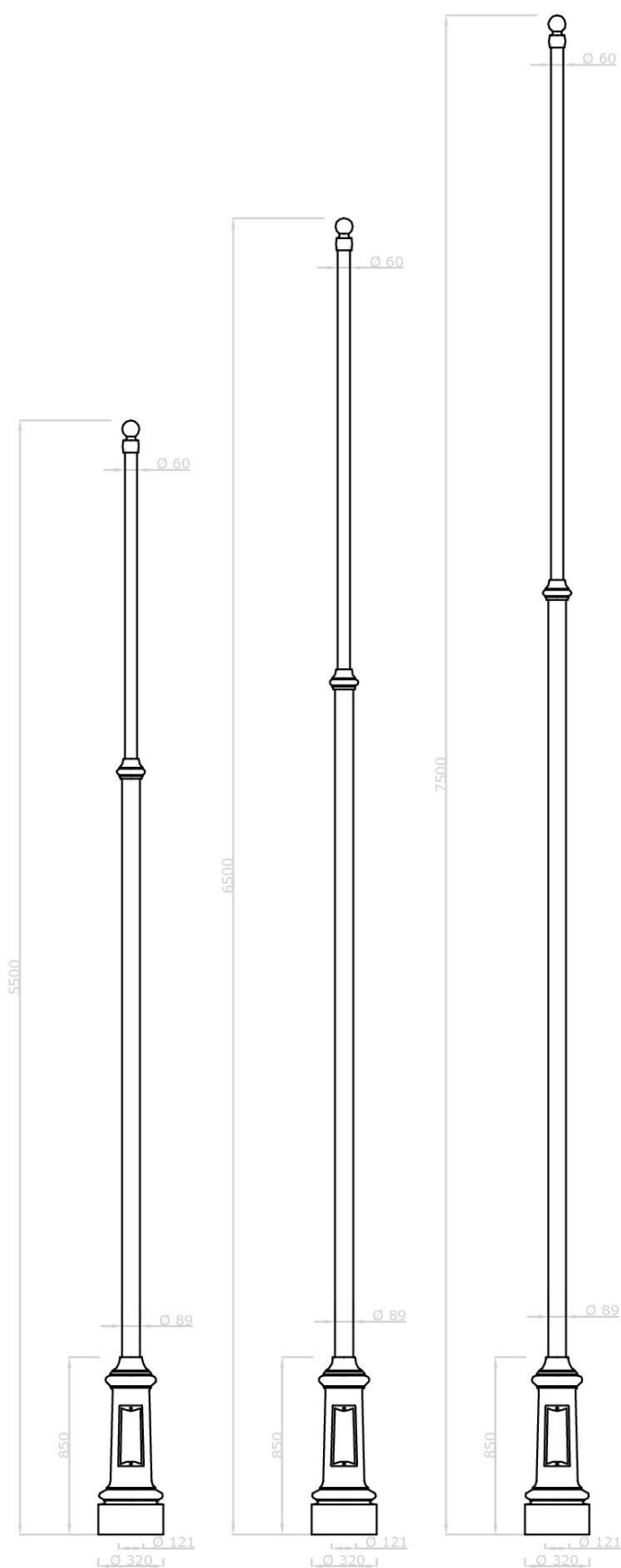
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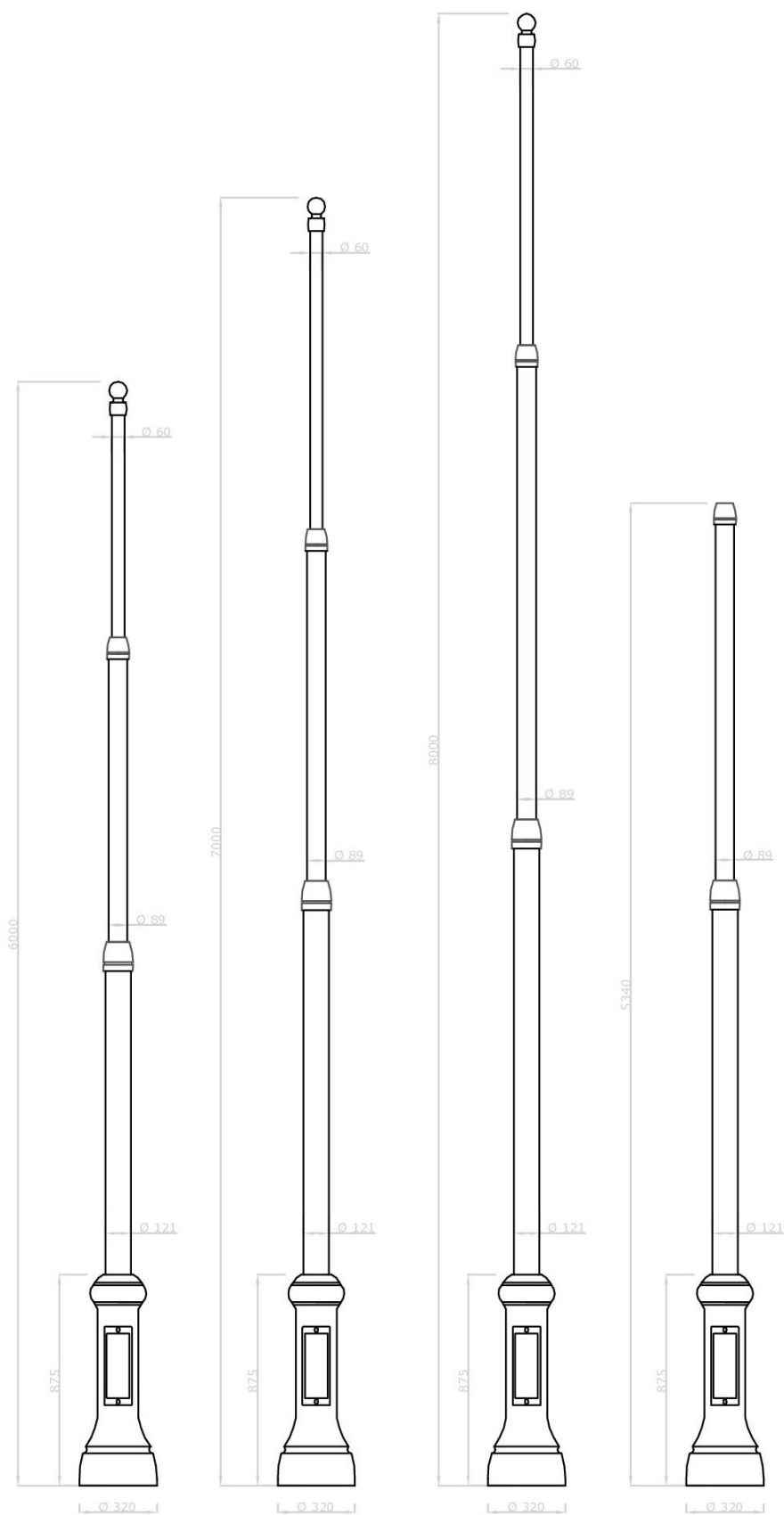
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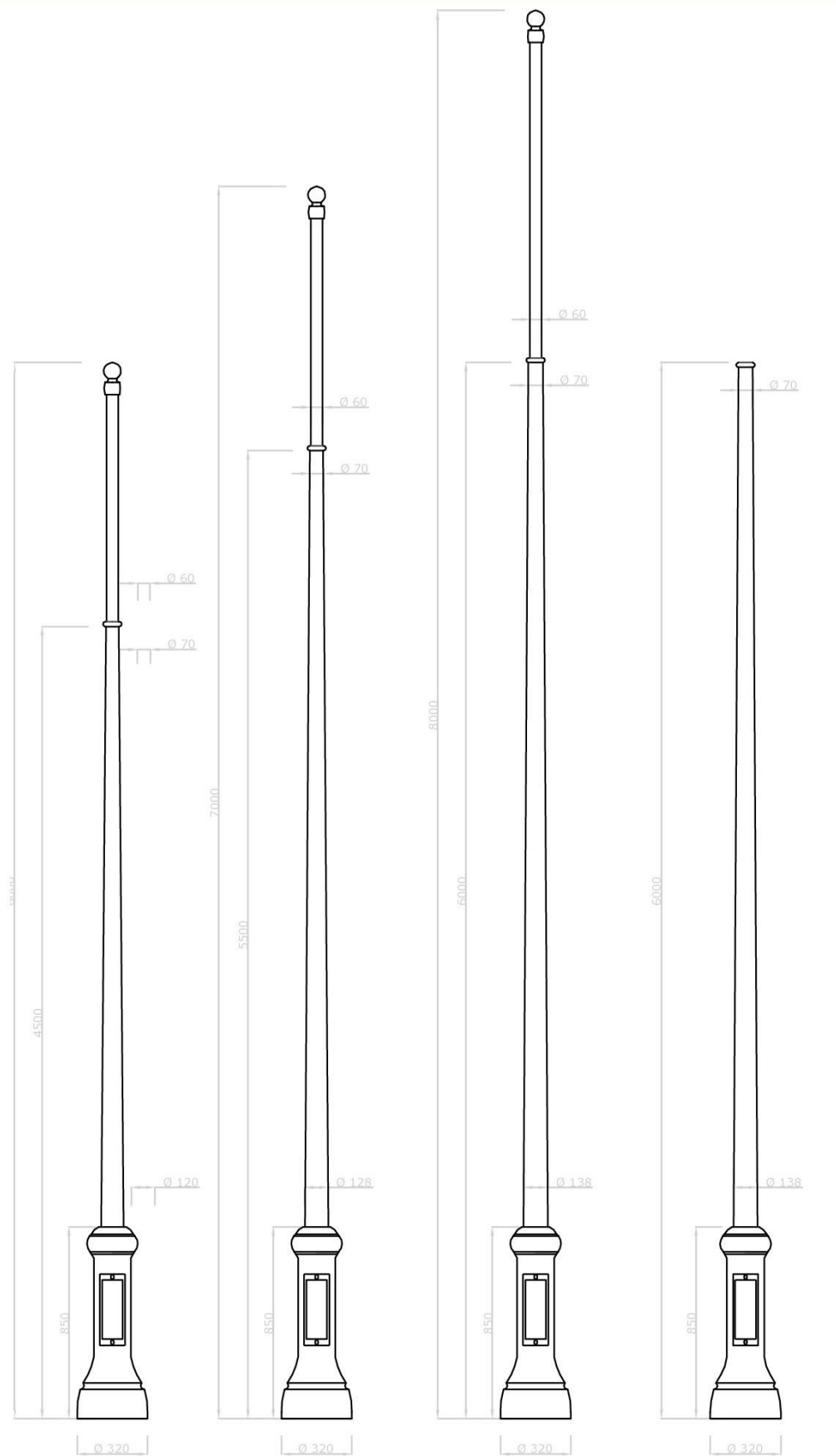
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CL 121 H55.3 B07 F8   CL 121 H65.3 B07 F8   CL 121 H75.3 B07 F8



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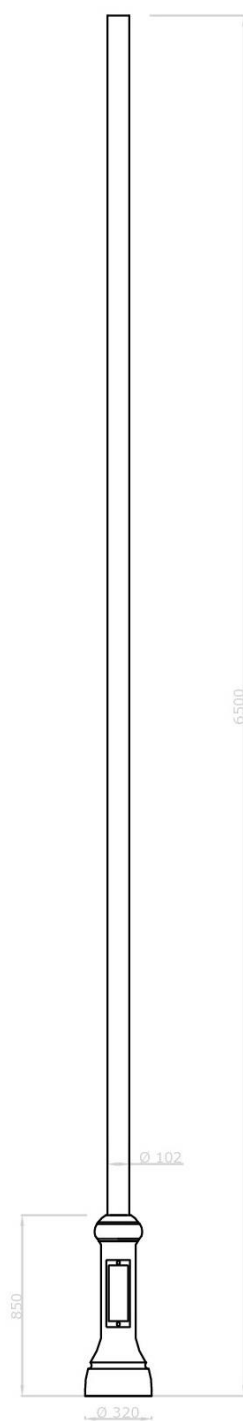
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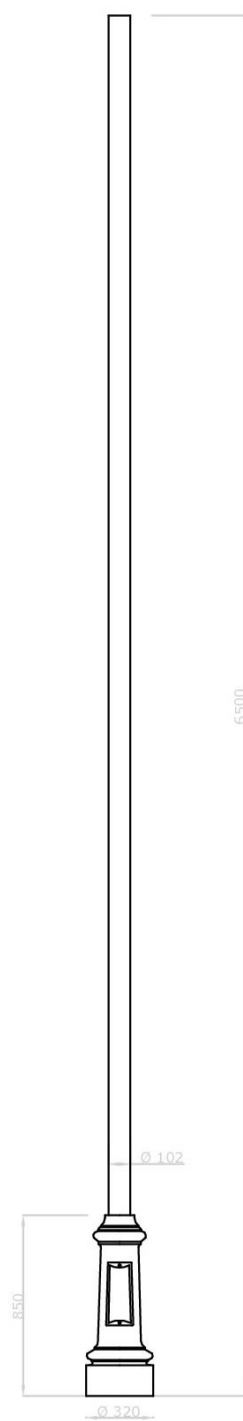
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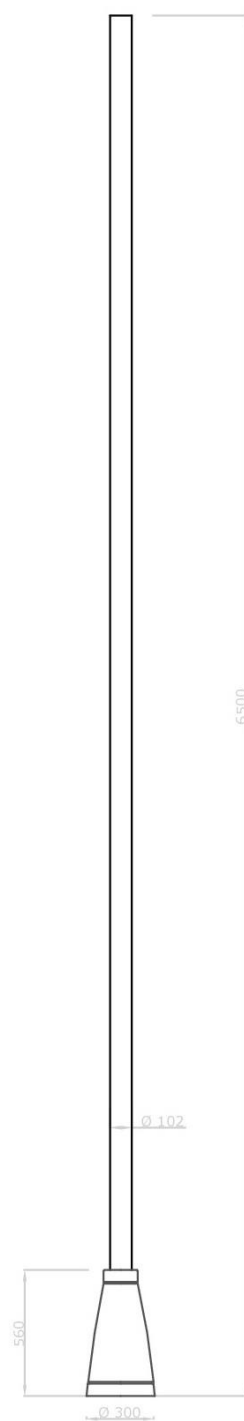




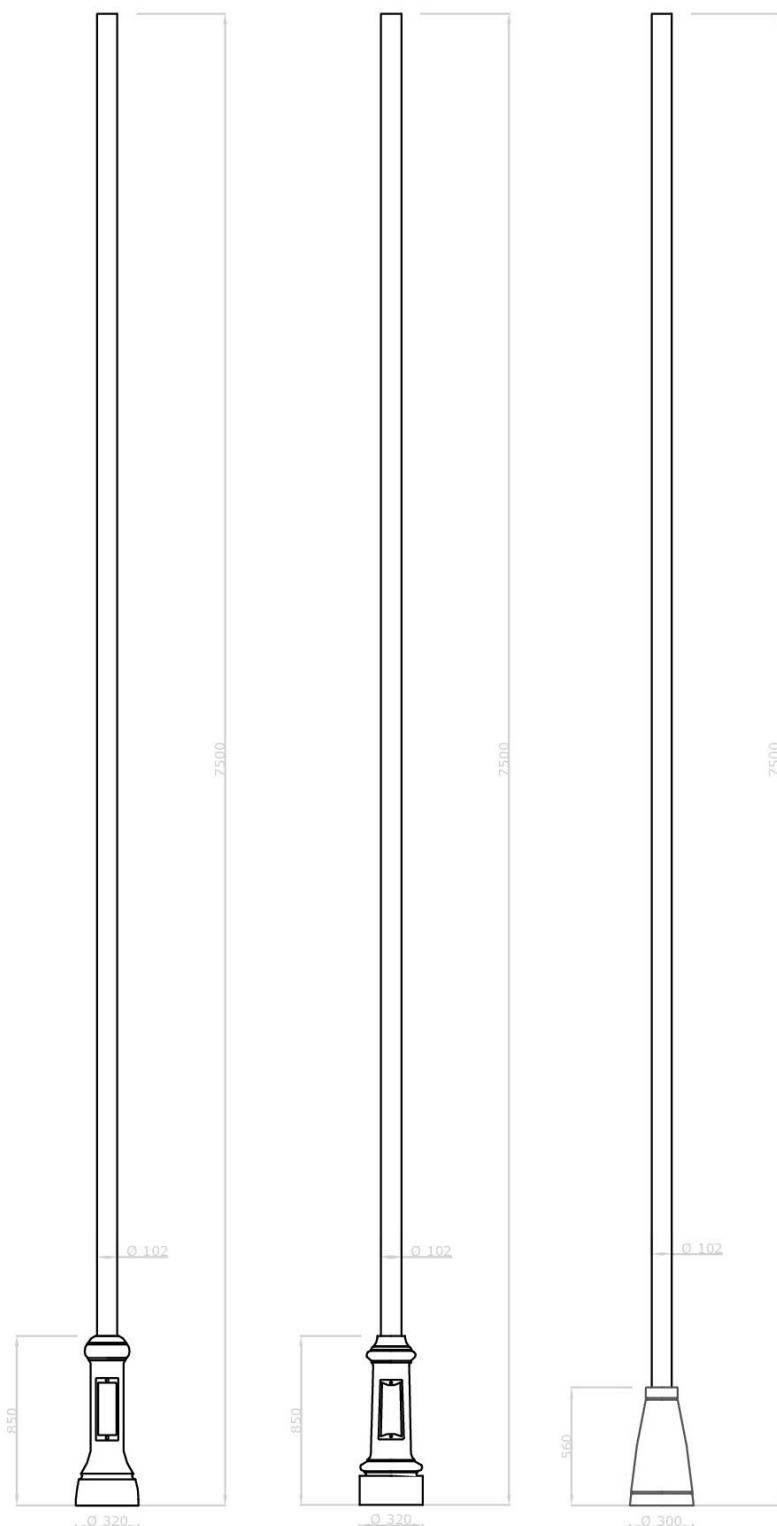
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CL 102 H65 B07



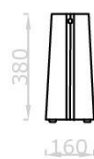
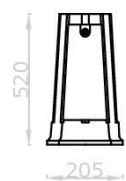
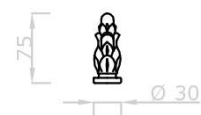
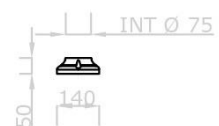
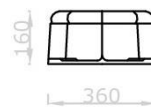
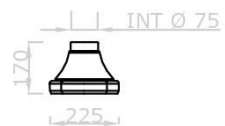
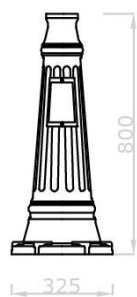
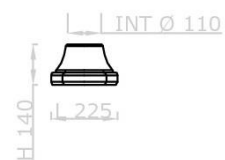
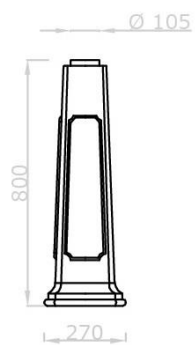
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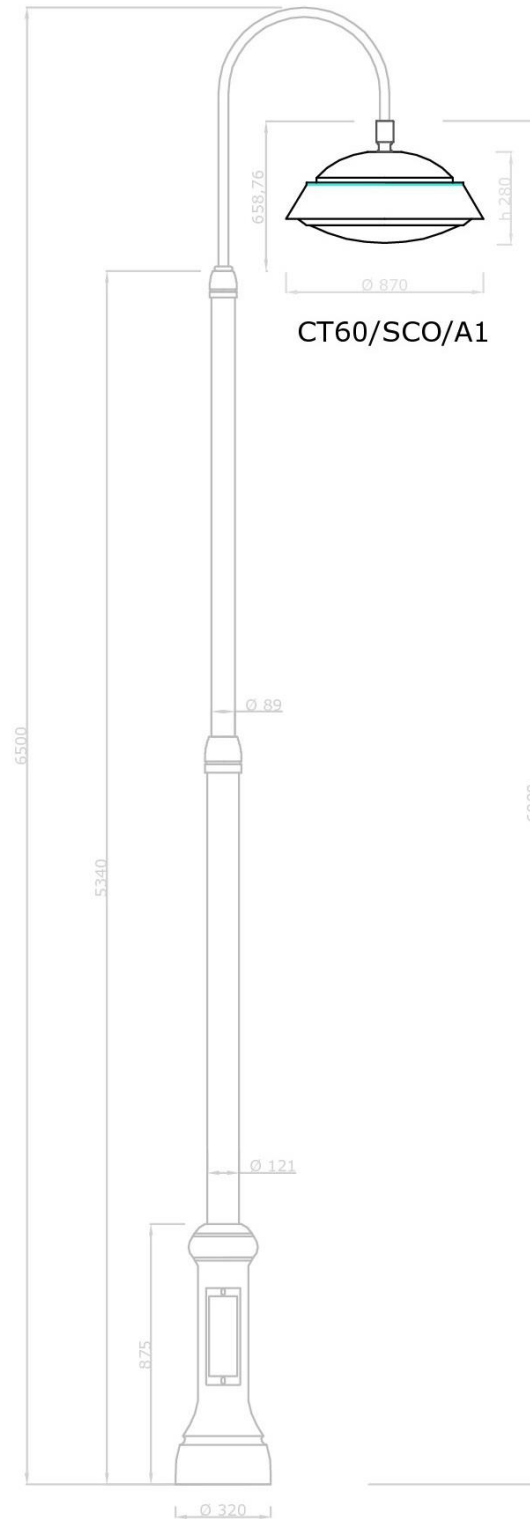
CL 102 H75 B08

CL 102 H75 B07

CL 102 H75 B06



## Esemplificazione di codifica



CL 121 H53.2 B08 F9.2 L1 CT60/SCO/A1









BRACCI E MENSOLE

## Serie Mensole

### Composizione:

Mensole per applicazione a parete di varia tipologia composte, a secondo dei vari modelli, da tubo piegato a voluta in acciaio zincato 1"  $\frac{1}{4}$  gas con finale in lega di alluminio, da tubo orizzontale in acciaio zincato 1" gas, da piastra a parete in piatto di acciaio zincato 50 x 8 mm con supporti portabraccio costruiti in acciaio elettrosaldato, da elemento decorativo inferiore in acciaio sagomato a singola o doppia voluta oppure in fusione di alluminio per i modelli decorati, da attacco per apparecchio in acciaio tornito, da sistema di fissaggio a parete tramite inserti o tasselli metallici, da valutare a secondo della zona di installazione.

Il trattamento di finitura comprende la zincatura per immersione a norme UNI-EN 40/4, la fosfocromatazione in bagno, la verniciatura con polveri poliestere colore nero AKZO 200 effetto grafite e successivamente la polimerizzazione in forno a 180 °C.

Il trattamento di finitura delle fusioni di alluminio comprende la granigliatura, la fosfocromatazione in bagno, la verniciatura con polveri poliestere colore nero AKZO 200 effetto grafite e successivamente la polimerizzazione in forno a 180 °C.

I calcoli strutturali sono stati effettuati in accordo con le relative normative tecniche in vigore. Il carico di progetto è stato previsto per la classe di rugosità B fino alla categoria III in zona 5 secondo il D.M. 16/01/96 salvo diversa indicazione.

Tutti gli articoli della serie Mensole sono costruiti nel pieno rispetto delle vigenti normative in fatto di qualità prodotto e di sicurezza di esercizio. Le lavorazioni meccaniche dei vari articoli sono eseguite con macchine utensili a CNC, e tutta la produzione è rigorosamente e sistematicamente controllata. Test finali sono effettuati presso i più accreditati laboratori nazionali ed esteri. Su tutta la produzione I.L.S. è applicata la marcatura CE.

## *Wall bracket Series*

### **Composition:**

Fittings brackets for application to walls of various kinds composed, according to the different models, from pipe folded up to volute in galvanized steel 1"  $\frac{1}{4}$  gas with final part in aluminium alloy; from horizontal pipe in galvanized steel 1" gas; from plate to wall in flat of galvanized steel 50 x 8 mm, with arm-bearing supports built in electrowelded steel; from lower decorative element in steel shaped to single or double volute or in aluminium casting for decorated models; from mounts for unit in turned steel; from system of fixing to wall through inserts or metallic wedges, to appraise to according to of the zone of installation.

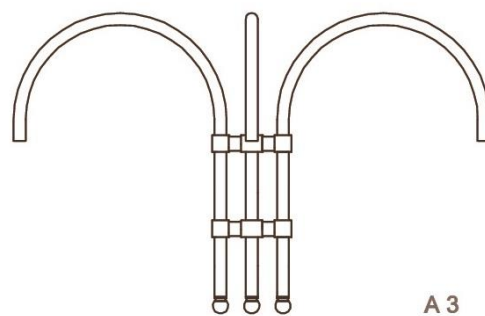
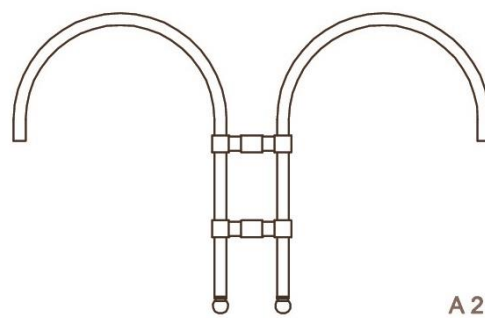
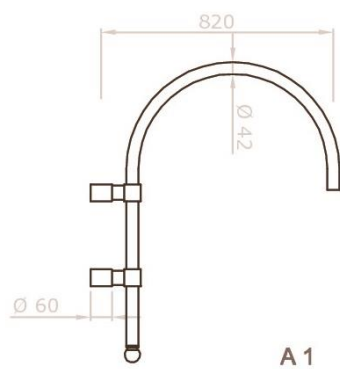
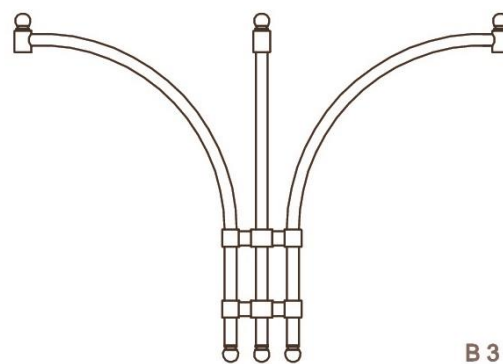
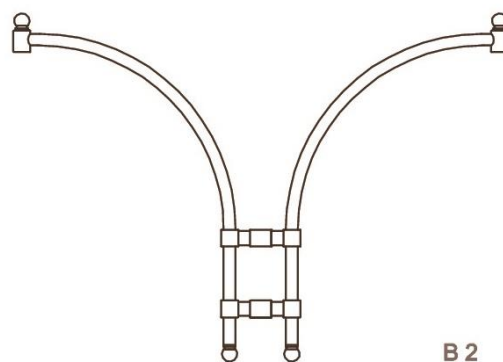
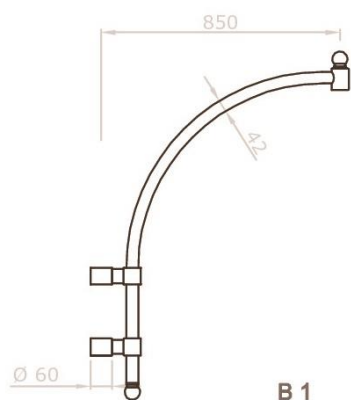
The treatment of finish includes the heat galvanization for immersion according to the norms UNI - EN 40/4, the phosphating and chromatizing bath, therefore the painting with AKZO black 200 polyester powder with graphite effect and subsequently the polymerization in furnace to 180 °C.

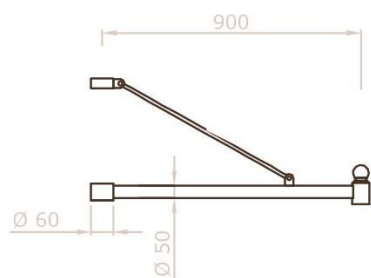
The treatment of finish of the aluminum fusions includes the shot-blasting, the phosphating and chromatizing bath, therefore the painting with AKZO black 200 polyester powder with effect graphite and subsequently the polymerization in furnace to 180 °C.

The structural calculations have been effected in accordance with the relevant technical legislation currently in force in the Italian territory. The load of project for the candelabra with multiple arms has been anticipated for the class of wrinkledness B up to the category III in the zone 5 according to the D.M. 16/01/96 different indication excepted.

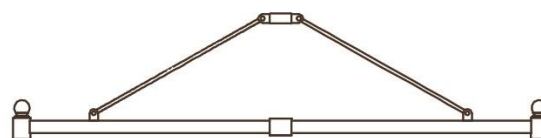
All the articles of the Brackets series are built in the full respect of the legislation in force as regards of product quality and operation safety. The mechanical workmanships of the various articles are performed with CNC machine tools, and the whole production is rigorously and systematically checked. Final tests are effected near the most accredited national and foreign laboratories. On the whole production of the I.L.S. firm the CE mark is applied, accordingly to the directives EEC.



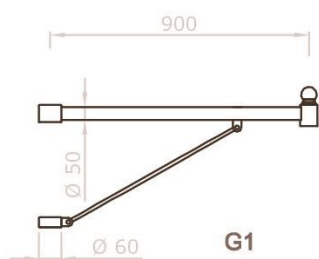




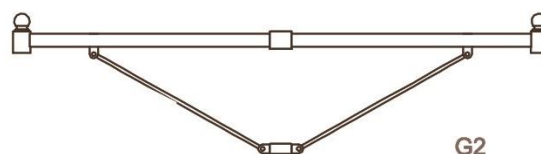
F 1



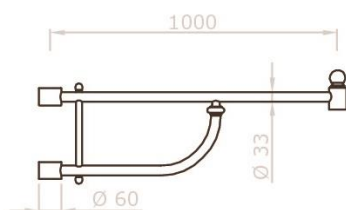
F 2



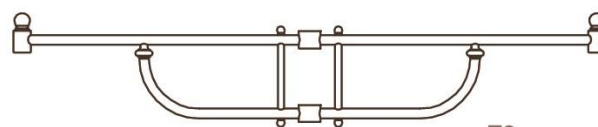
G 1



G 2

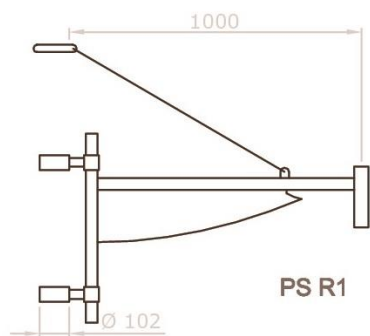


E 1

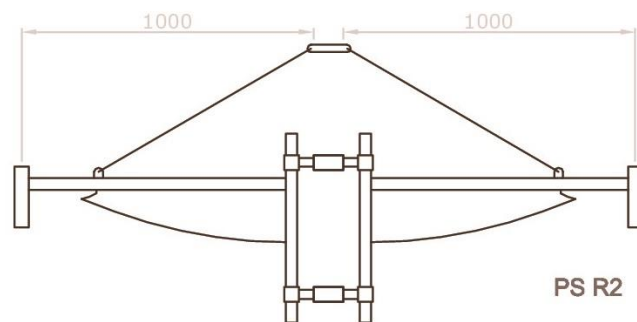


E 2

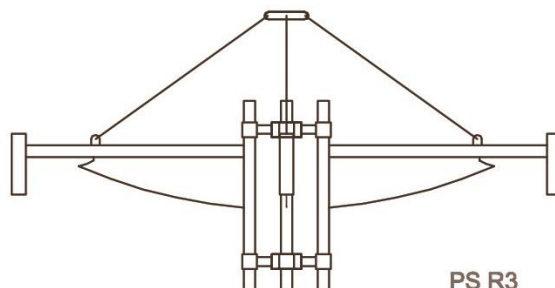




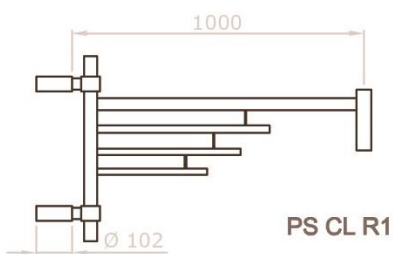
PS R1



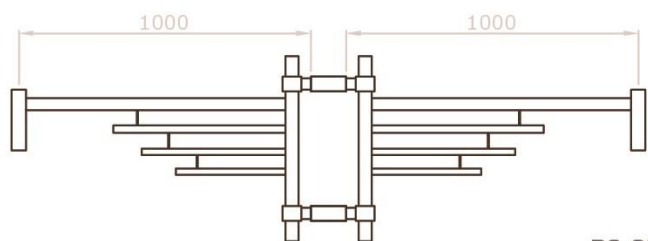
PS R2



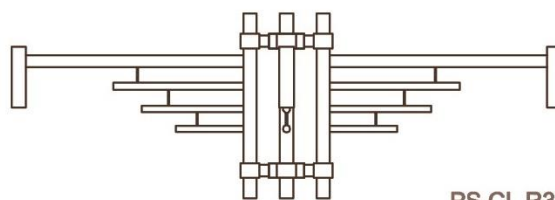
PS R3



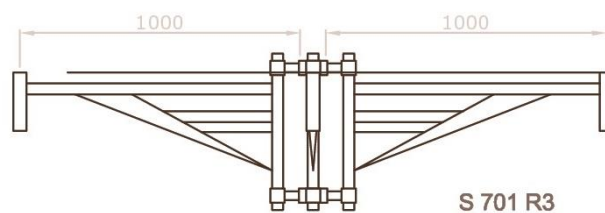
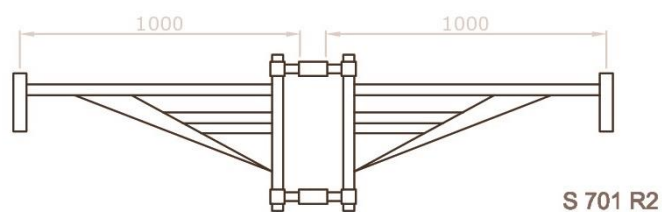
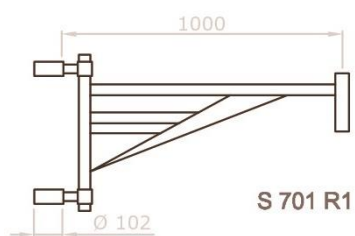
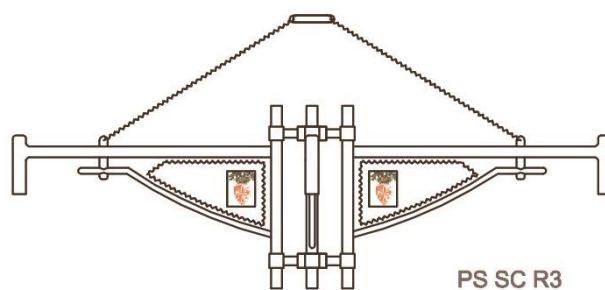
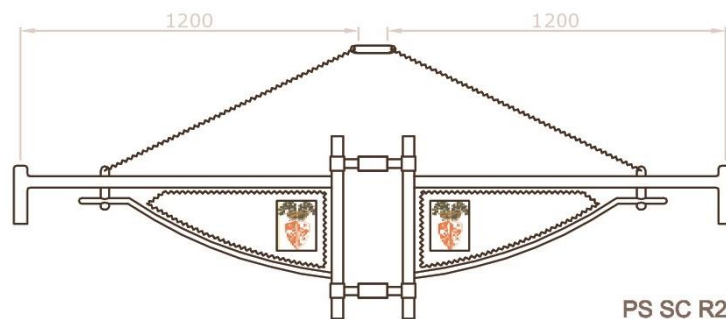
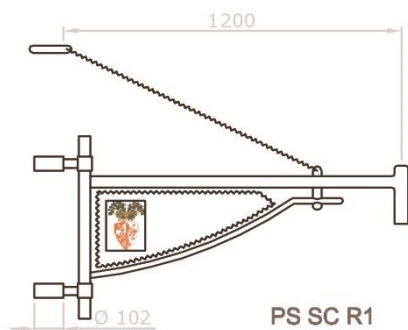
PS CL R1

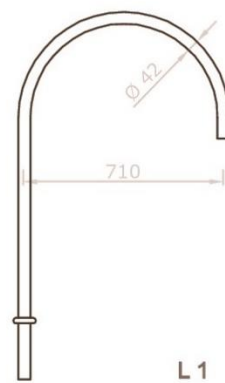
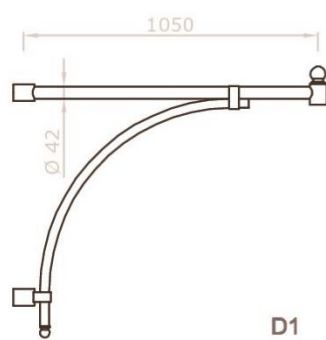
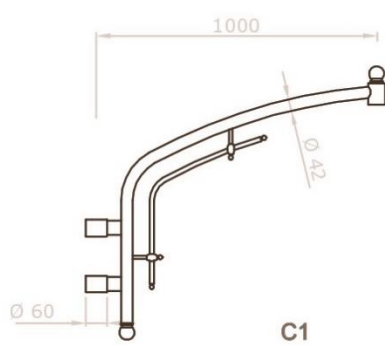


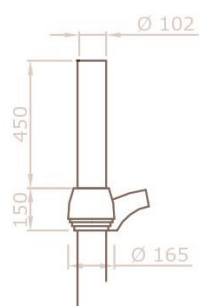
PS CL R2



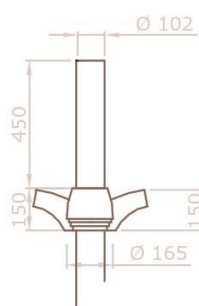
PS CL R3



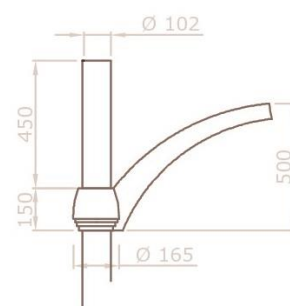




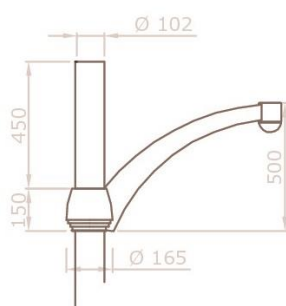
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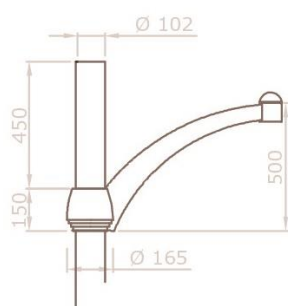
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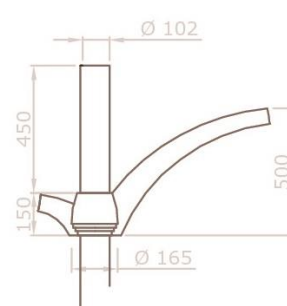
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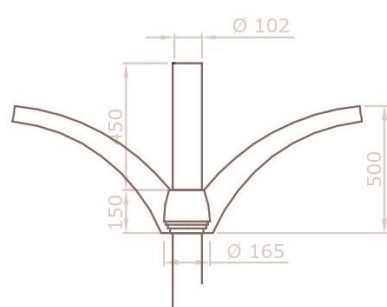
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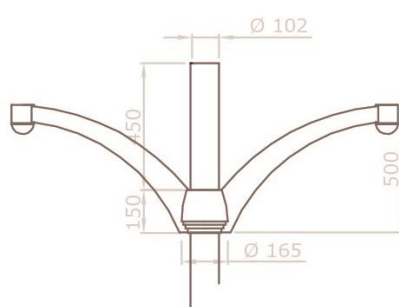
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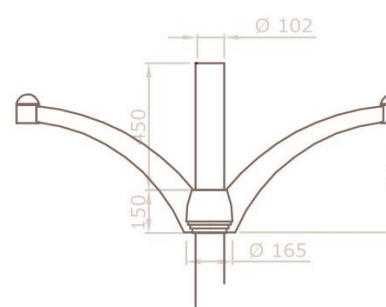
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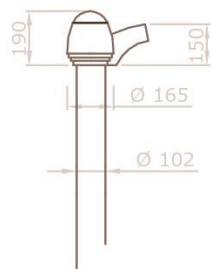
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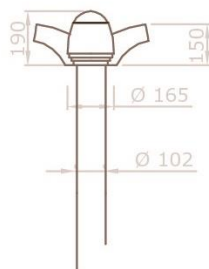
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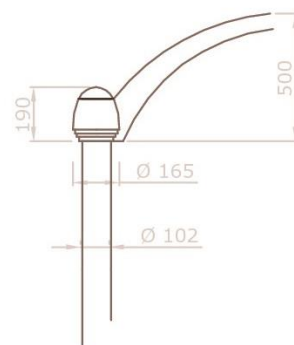
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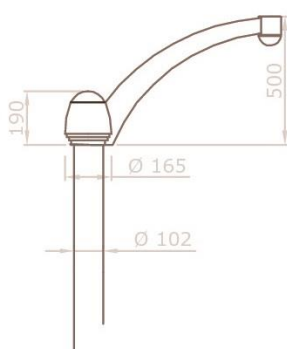
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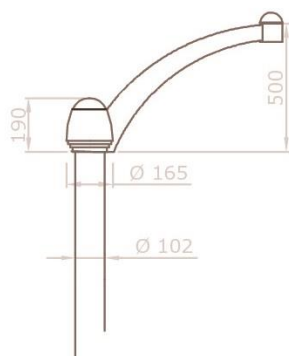
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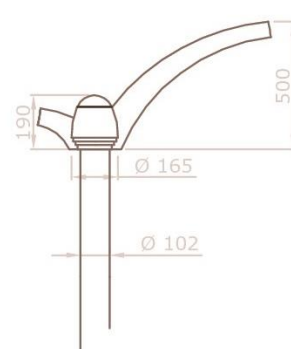
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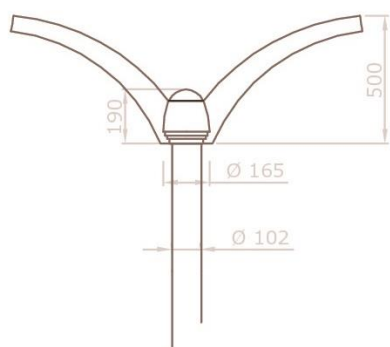
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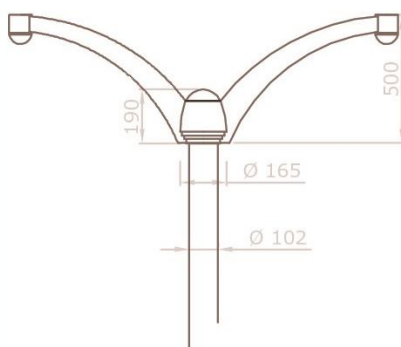
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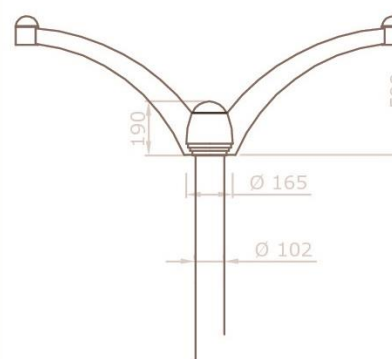
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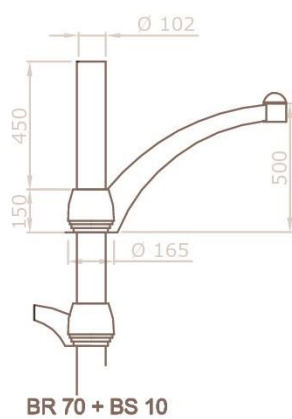
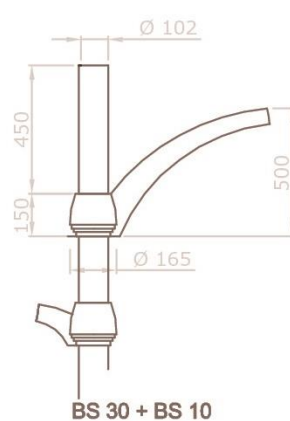
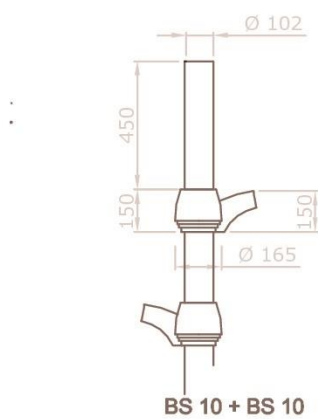
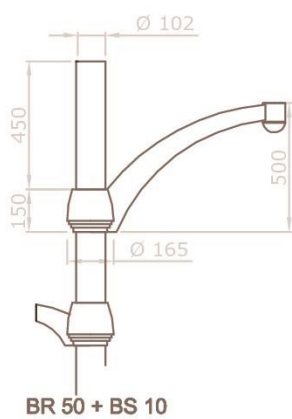
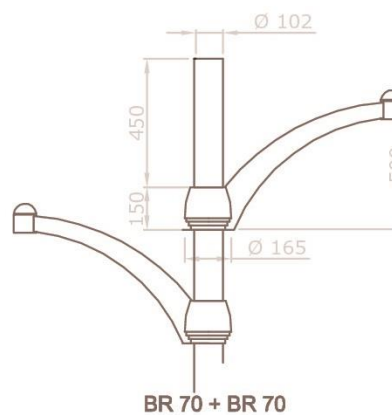
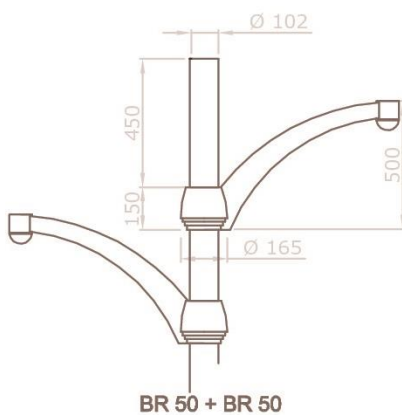
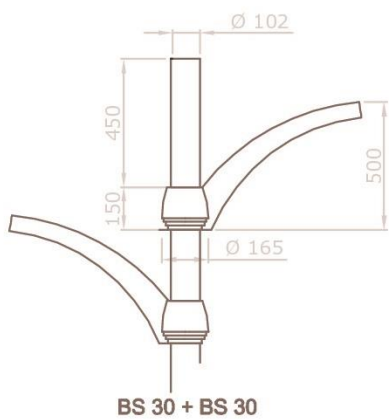
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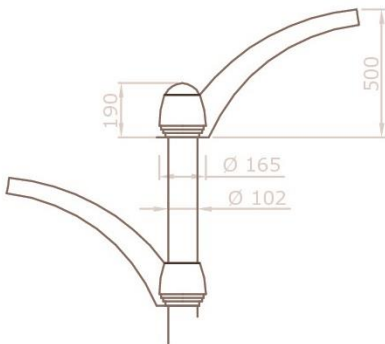
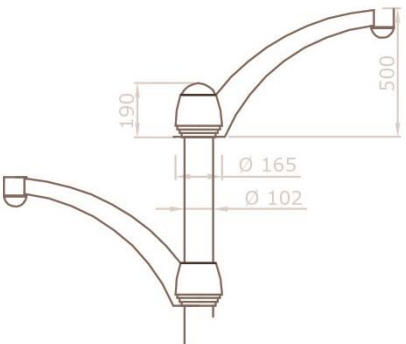
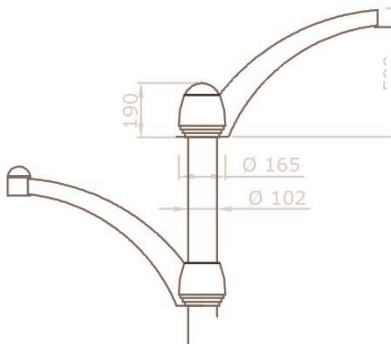
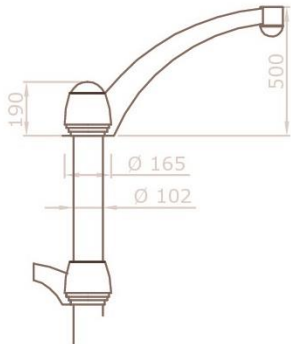
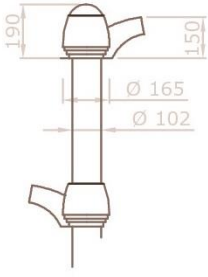
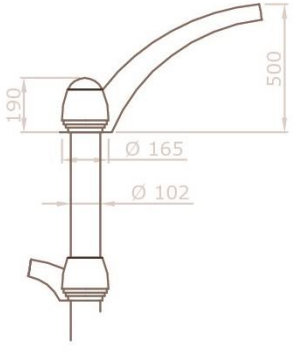
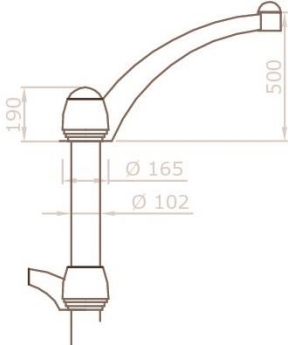
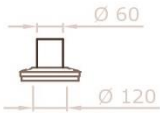
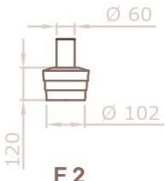
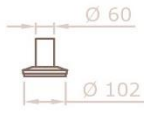
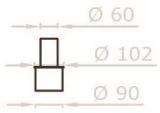
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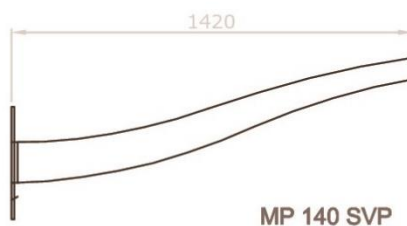
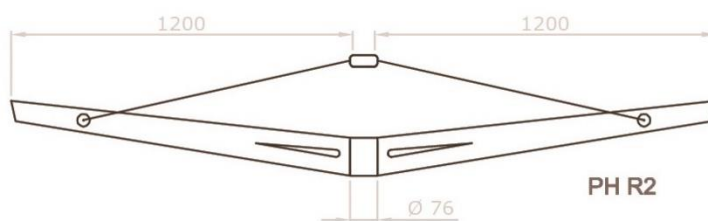
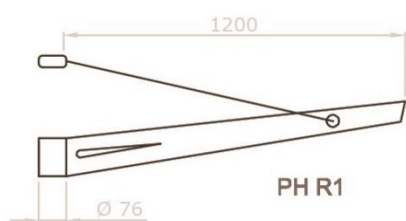
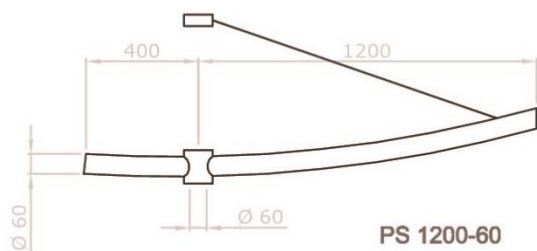
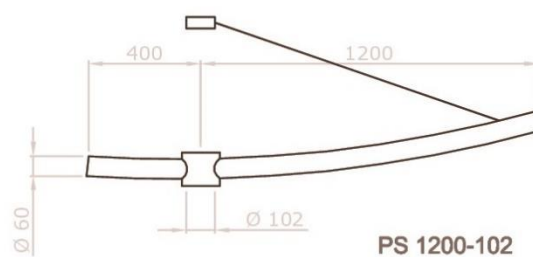
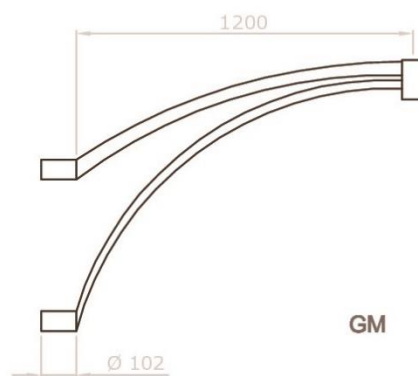


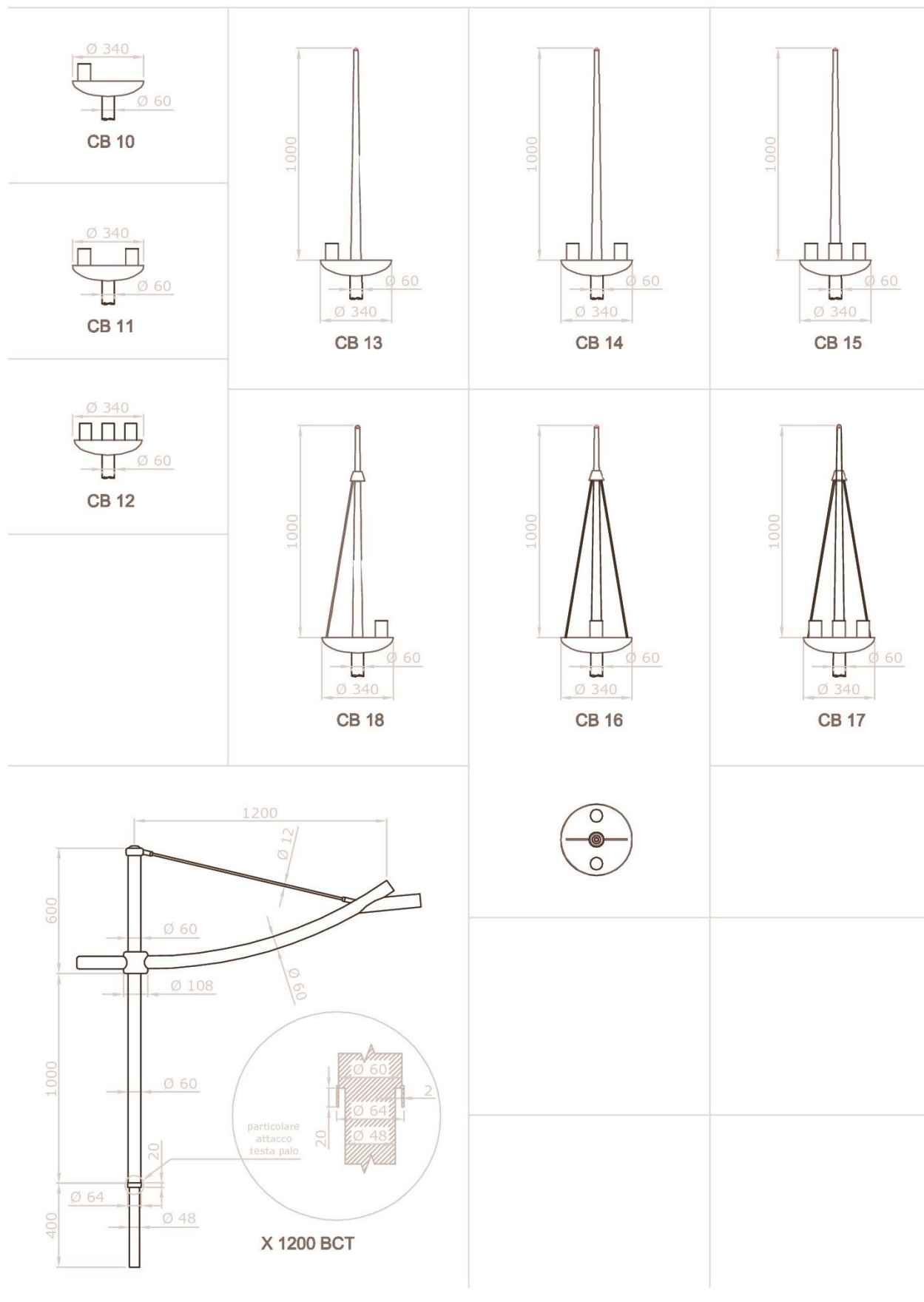
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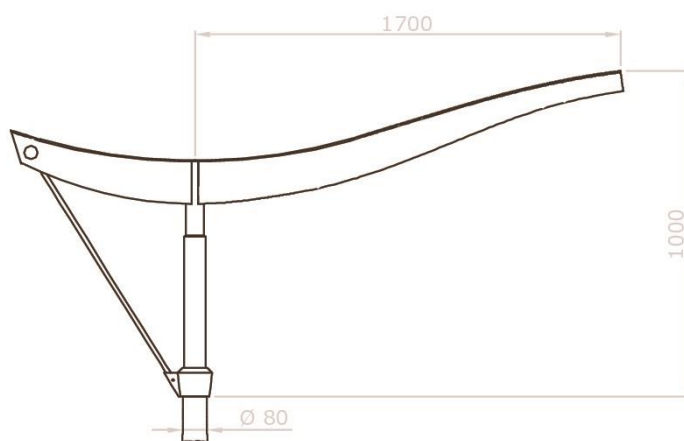




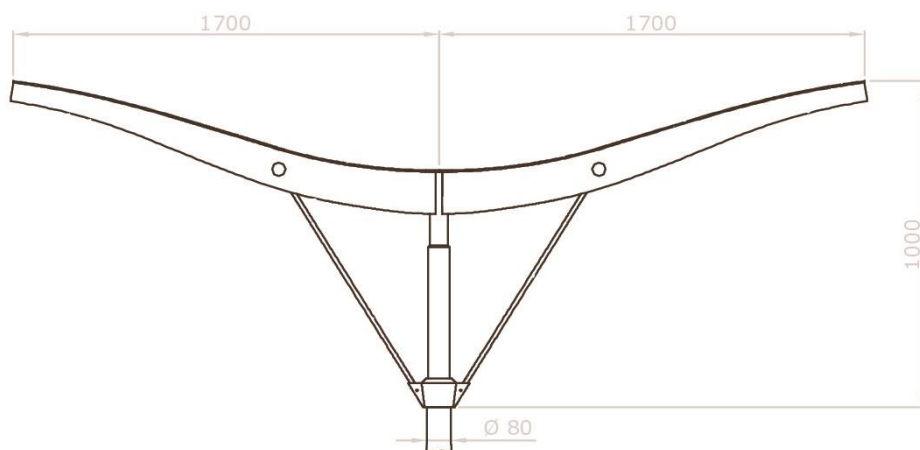
|                                                                                                                 |                                                                                                                |                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  <p><b>BS 32 + BS 30</b></p>   |  <p><b>BS 52 + BR 50</b></p>  |  <p><b>BM 70 + BR 70</b></p>  |
|  <p><b>BS 10 + BS 52</b></p>  |  <p><b>BS 10 + BS 12</b></p> |  <p><b>BS 10 + BS 32</b></p> |
|  <p><b>BS 10 + BM 70</b></p> |  <p><b>F 1</b></p>          |  <p><b>F 2</b></p>          |
|                                                                                                                 |  <p><b>F 3</b></p>          |  <p><b>F 4</b></p>          |







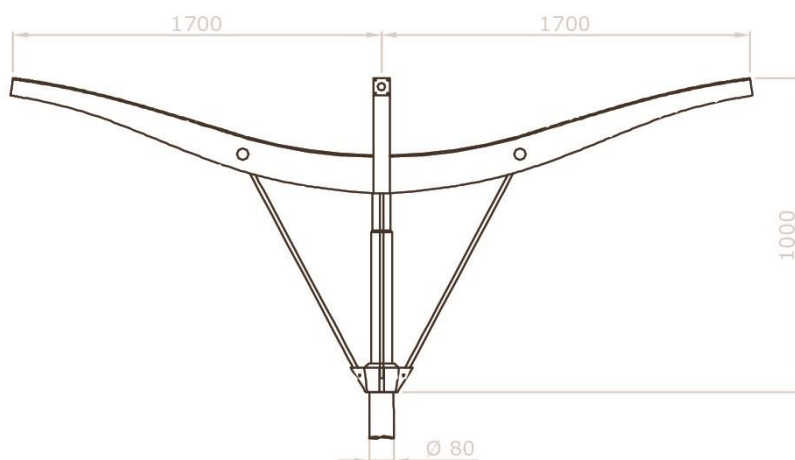
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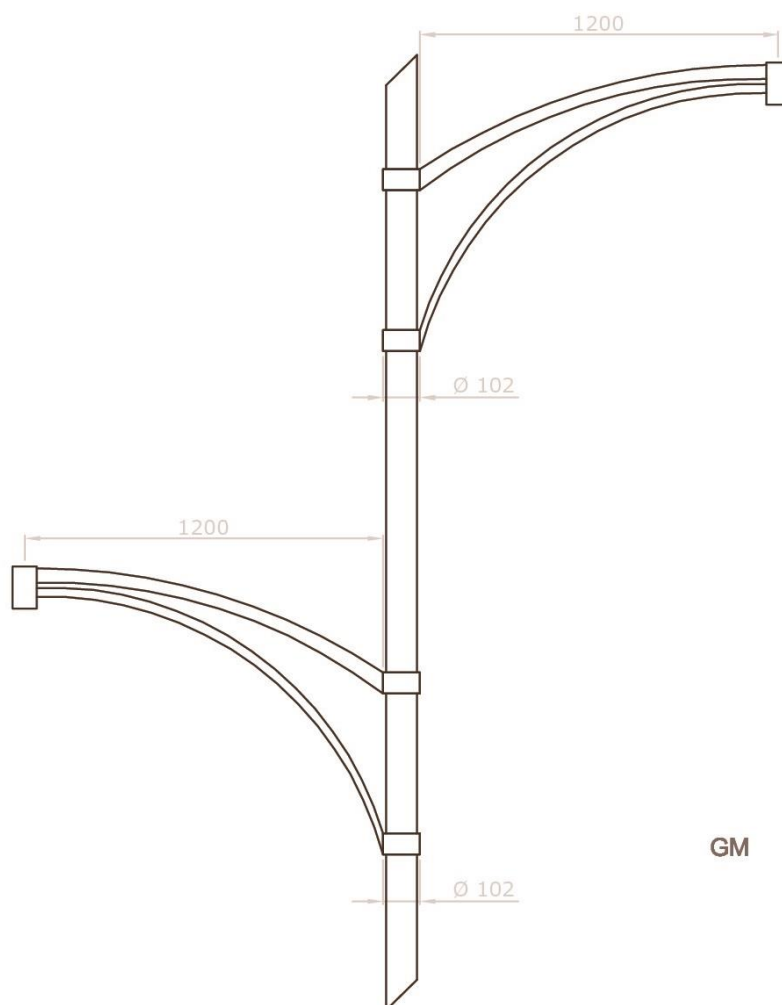
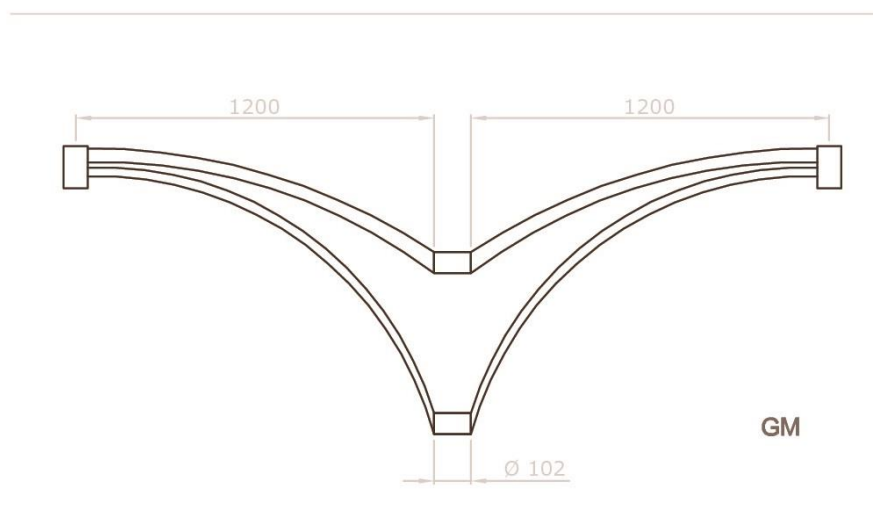
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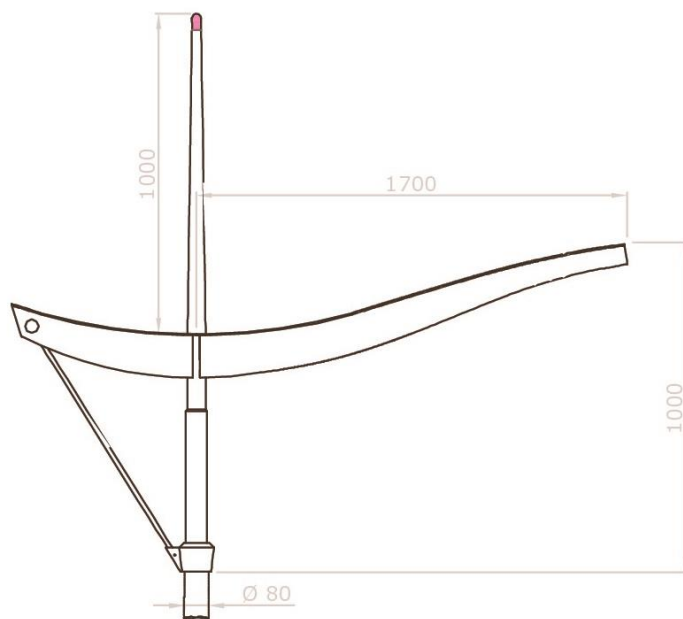


**vista dall'alto**

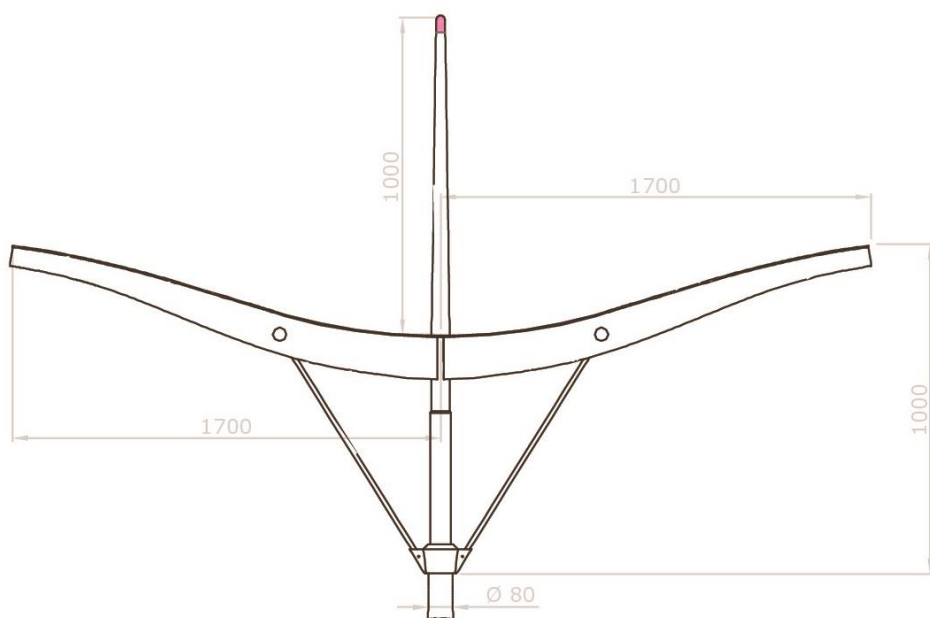


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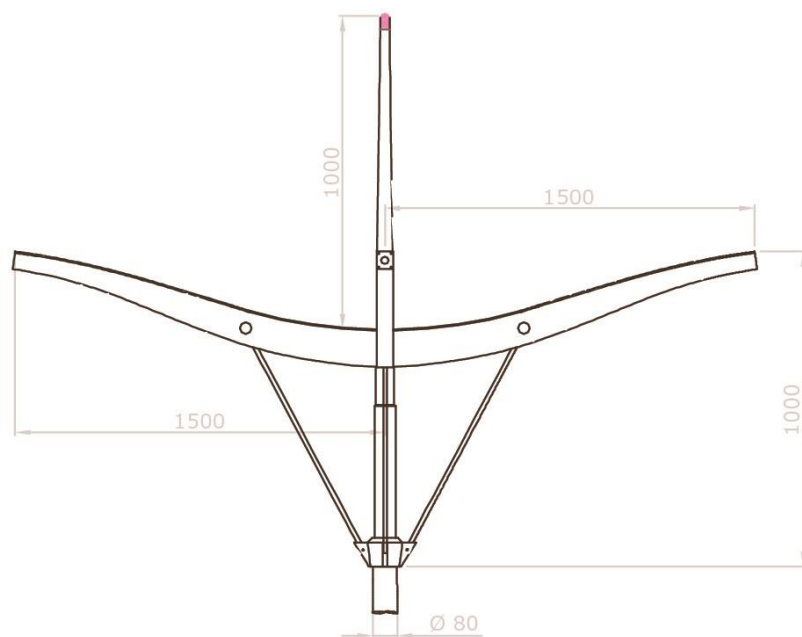


CS 31



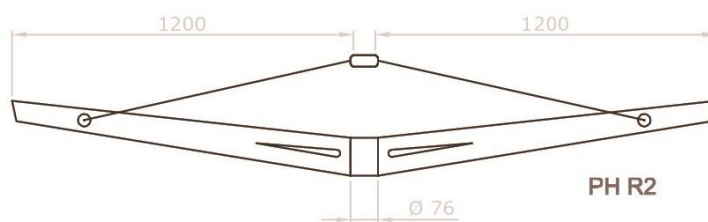
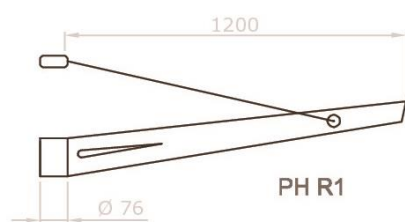
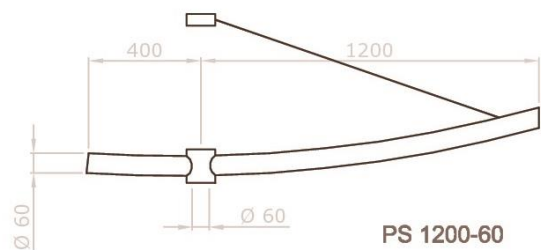
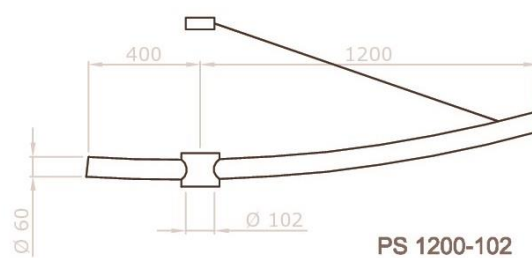
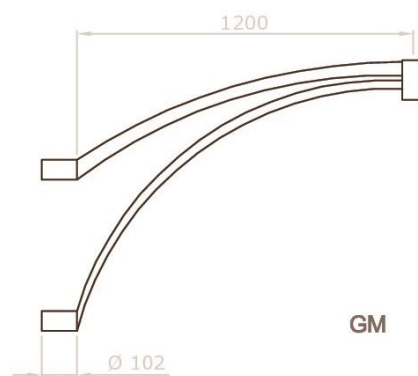
CS 32





CS 33







BRACCI A MURO

## Serie Mensole

### Composizione:

Mensole per applicazione a parete di varia tipologia composte, a secondo dei vari modelli, da tubo piegato a voluta in acciaio zincato 1"  $\frac{1}{4}$  gas con finale in lega di alluminio, da tubo orizzontale in acciaio zincato 1" gas, da piastra a parete in piatto di acciaio zincato 50 x 8 mm con supporti portabraccio costruiti in acciaio elettrosaldato, da elemento decorativo inferiore in acciaio sagomato a singola o doppia voluta oppure in fusione di alluminio per i modelli decorati, da attacco per apparecchio in acciaio tornito, da sistema di fissaggio a parete tramite inserti o tasselli metallici, da valutare a secondo della zona di installazione.

Il trattamento di finitura comprende la zincatura per immersione a norme UNI-EN 40/4, la fosfocromatazione in bagno, la verniciatura con polveri poliestere colore nero AKZO 200 effetto grafite e successivamente la polimerizzazione in forno a 180 °C.

Il trattamento di finitura delle fusioni di alluminio comprende la granigliatura, la fosfocromatazione in bagno, la verniciatura con polveri poliestere colore nero AKZO 200 effetto grafite e successivamente la polimerizzazione in forno a 180 °C.

I calcoli strutturali sono stati effettuati in accordo con le relative normative tecniche in vigore. Il carico di progetto è stato previsto per la classe di rugosità B fino alla categoria III in zona 5 secondo il D.M. 16/01/96 salvo diversa indicazione.

Tutti gli articoli della serie Mensole sono costruiti nel pieno rispetto delle vigenti normative in fatto di qualità prodotto e di sicurezza di esercizio. Le lavorazioni meccaniche dei vari articoli sono eseguite con macchine utensili a CNC, e tutta la produzione è rigorosamente e sistematicamente controllata. Test finali sono effettuati presso i più accreditati laboratori nazionali ed esteri. Su tutta la produzione I.L.S. è applicata la marcatura CE.



## *Wall bracket Series*

### **Composition:**

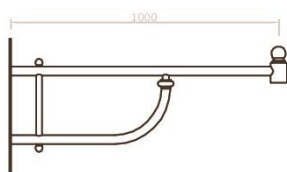
Fittings brackets for application to walls of various kinds composed, according to the different models, from pipe folded up to volute in galvanized steel 1"  $\frac{1}{4}$  gas with final part in aluminium alloy; from horizontal pipe in galvanized steel 1" gas; from plate to wall in flat of galvanized steel 50 x 8 mm, with arm-bearing supports built in electrowelded steel; from lower decorative element in steel shaped to single or double volute or in aluminium casting for decorated models; from mounts for unit in turned steel; from system of fixing to wall through inserts or metallic wedges, to appraise to according to of the zone of installation.

The treatment of finish includes the heat galvanization for immersion according to the norms UNI - EN 40/4, the phosphating and chromating bath, therefore the painting with AKZO black 200 polyester powder with graphite effect and subsequently the polymerization in furnace to 180 °C.

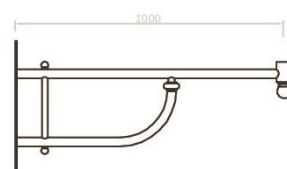
The treatment of finish of the aluminum fusions includes the shot-blasting, the phosphating and chromating bath, therefore the painting with AKZO black 200 polyester powder with effect graphite and subsequently the polymerization in furnace to 180 °C.

The structural calculations have been effected in accordance with the relevant technical legislation currently in force in the Italian territory. The load of project for the candelabra with multiple arms has been anticipated for the class of wrinkledness B up to the category III in the zone 5 according to the D.M. 16/01/96 different indication excepted.

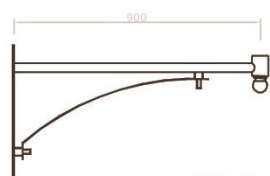
All the articles of the Brackets series are built in the full respect of the legislation in force as regards of product quality and operation safety. The mechanical workmanships of the various articles are performed with CNC machine tools, and the whole production is rigorously and systematically checked. Final tests are effected near the most accredited national and foreign laboratories. On the whole production of the I.L.S. firm the CE mark is applied, accordingly to the directives EEC.



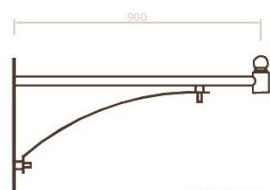
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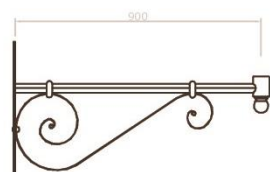
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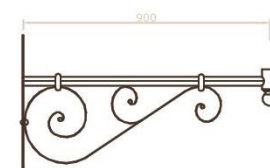
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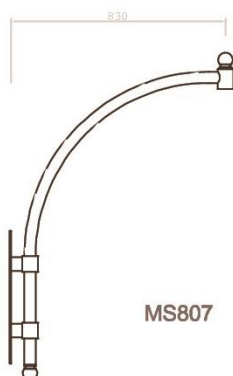
MS818



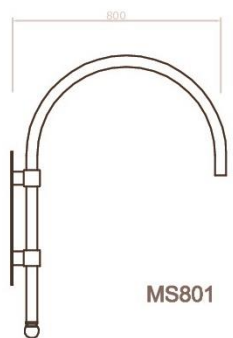
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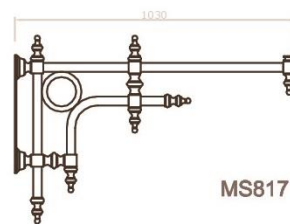
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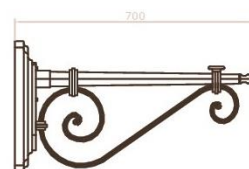
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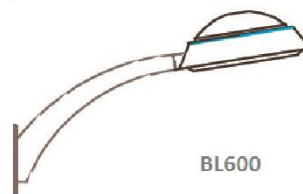
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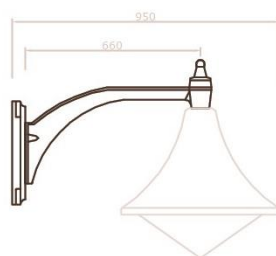
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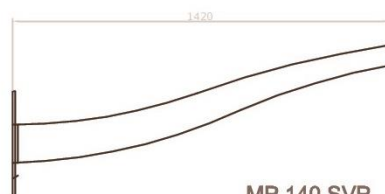
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BL600



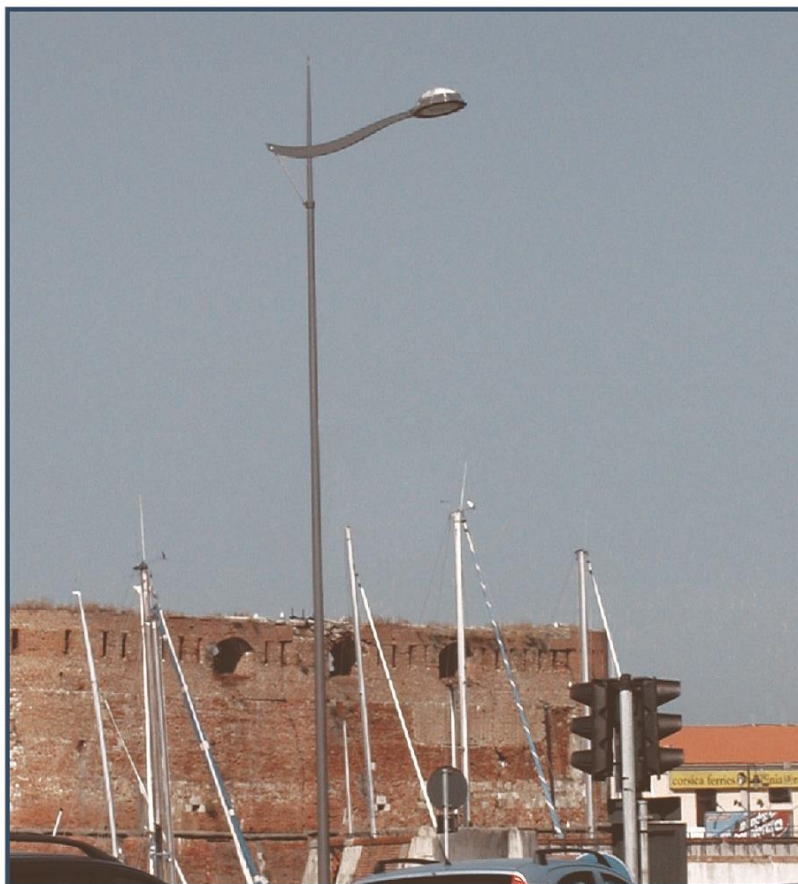
MP1



MP 140 SVP

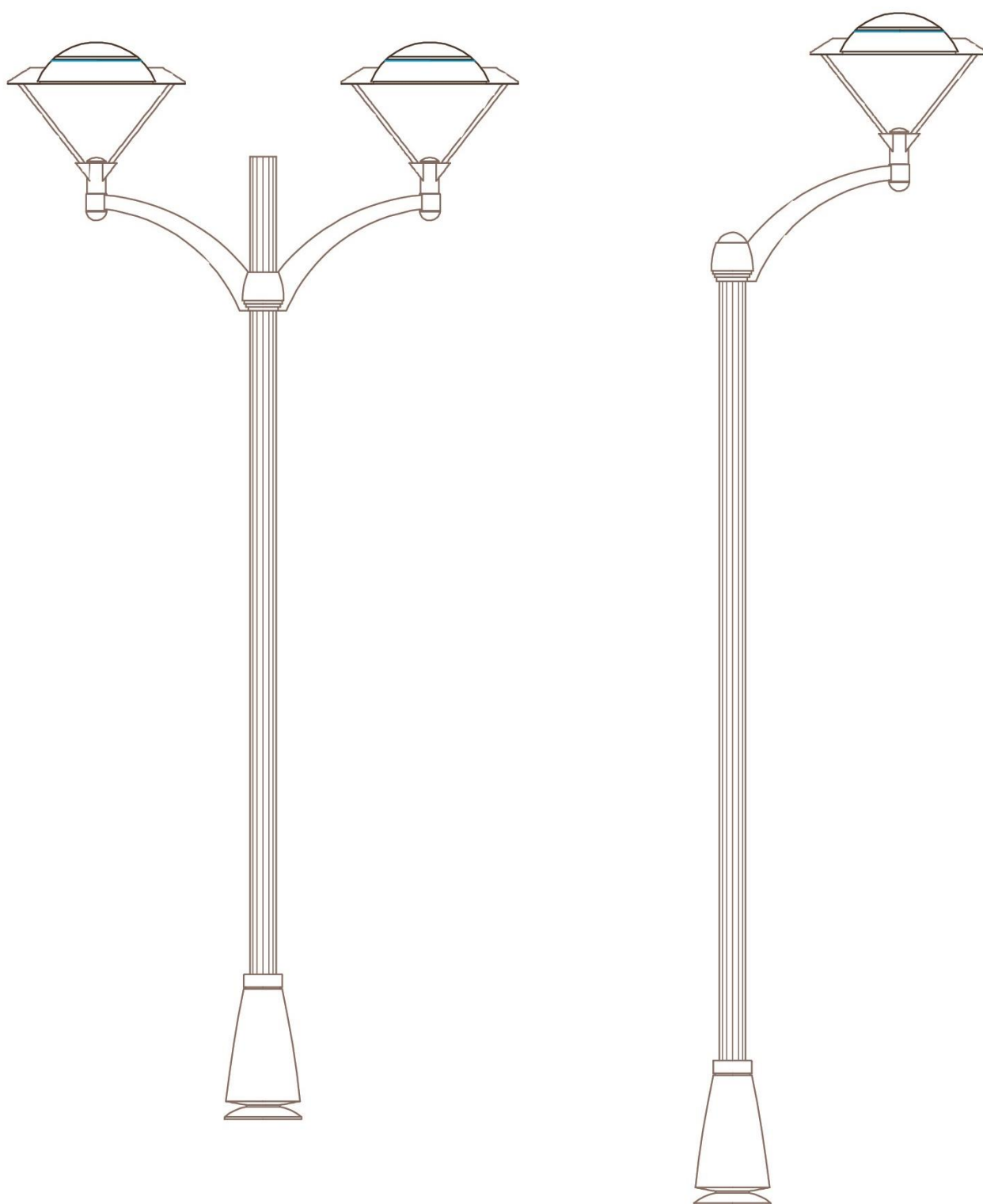


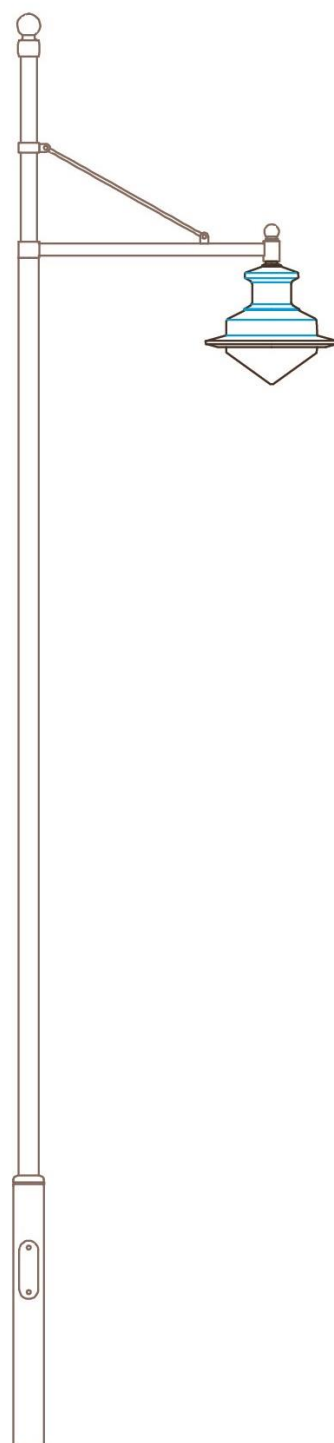
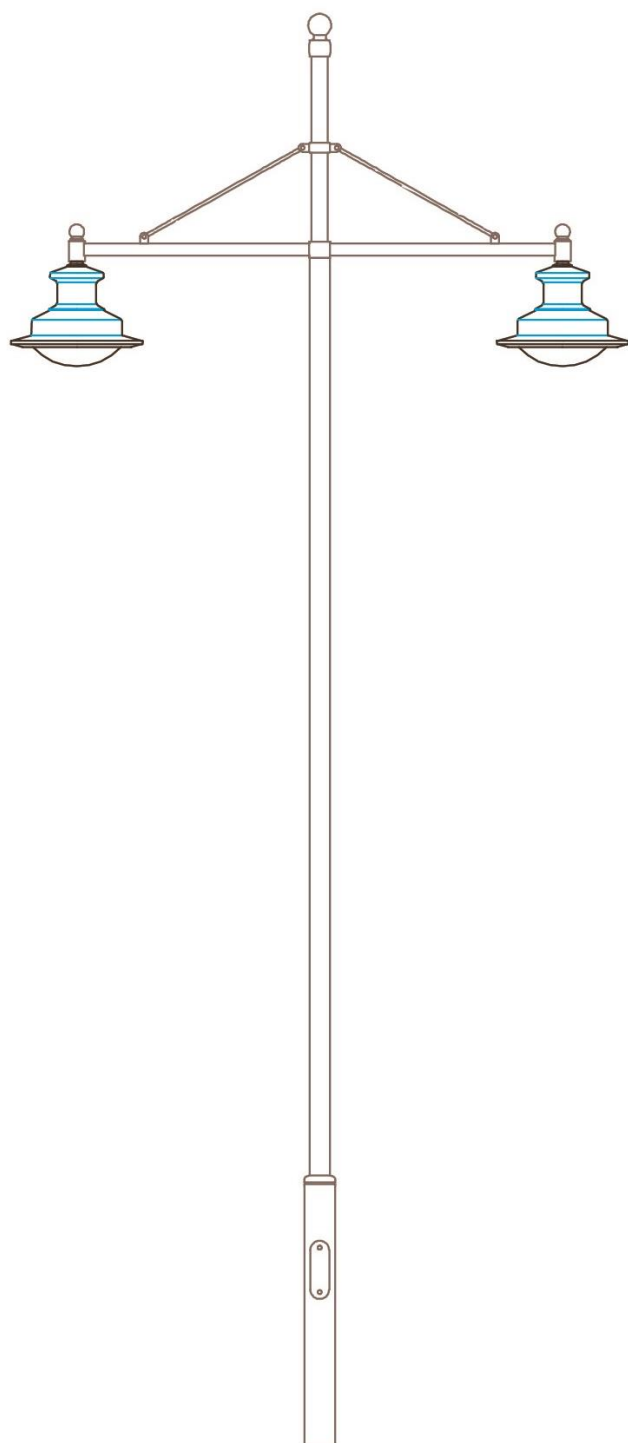


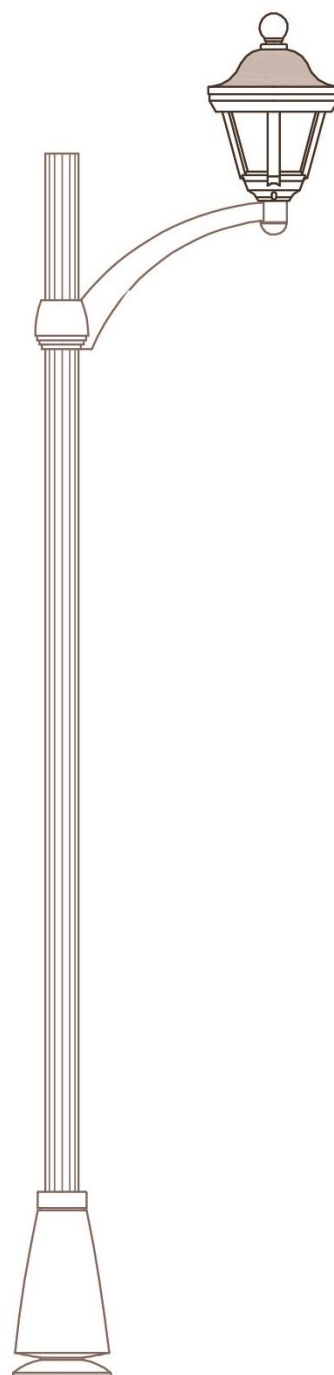
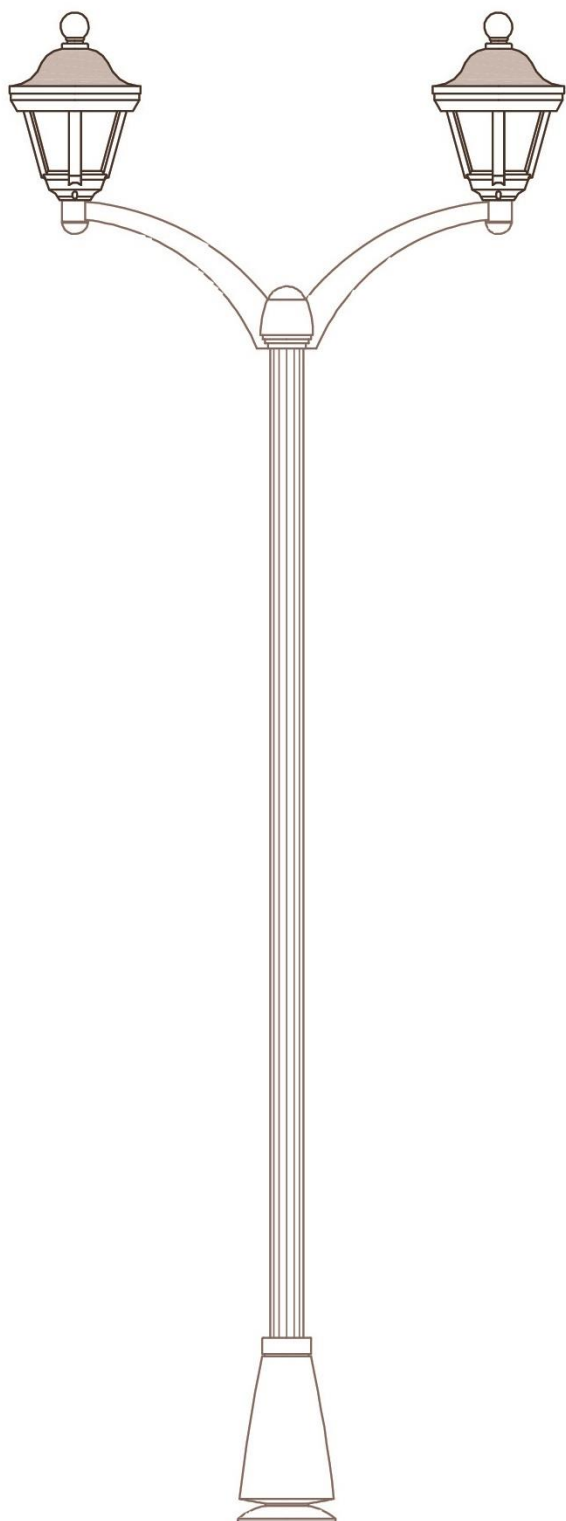




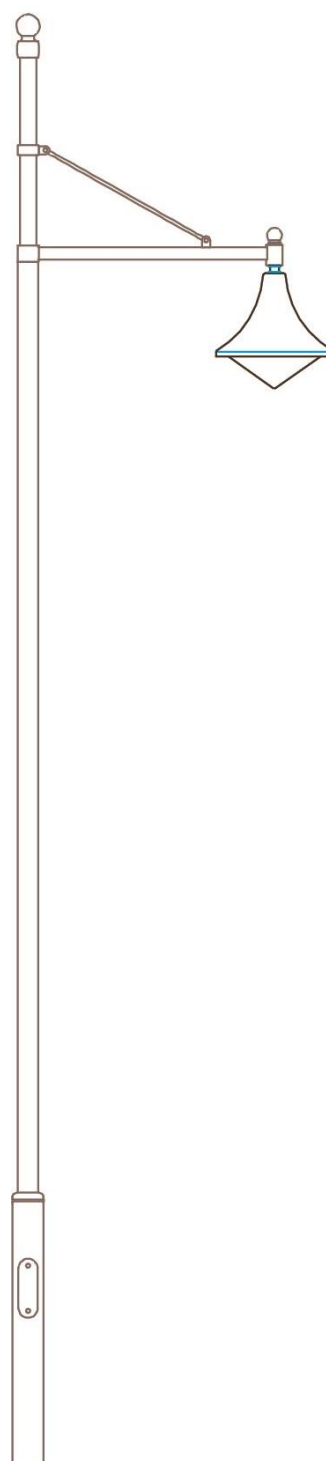
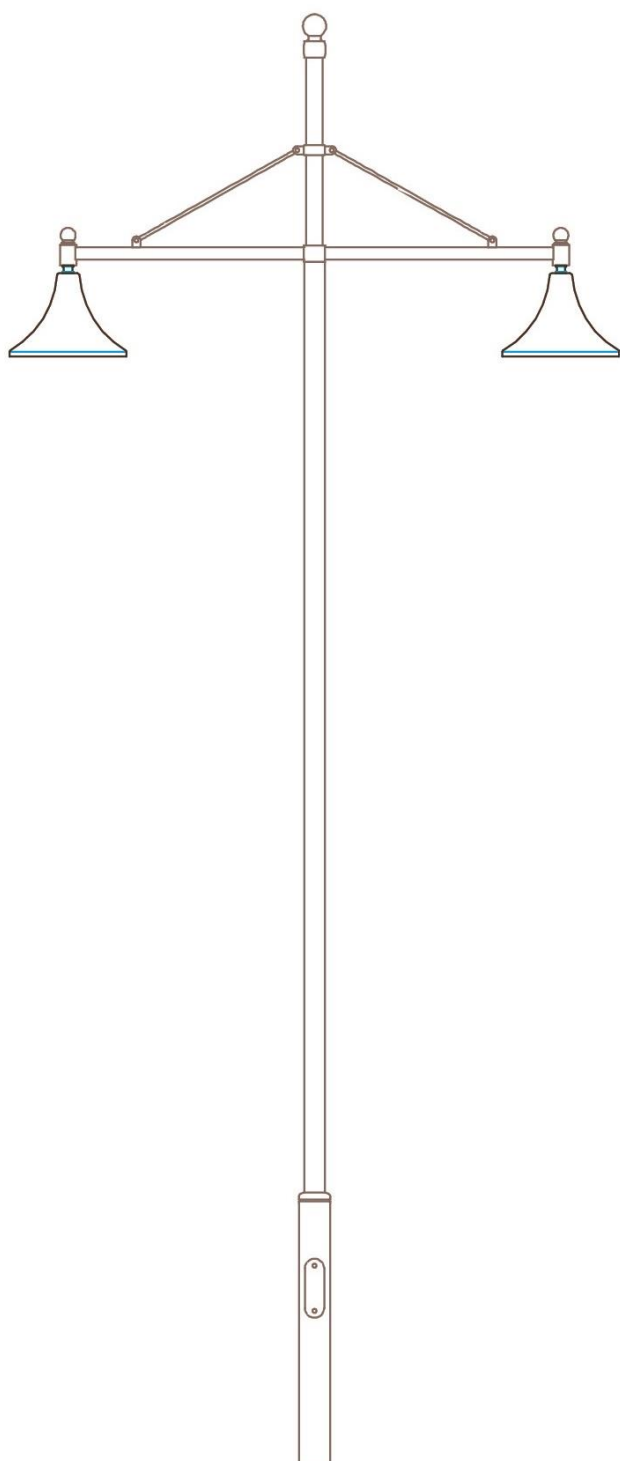


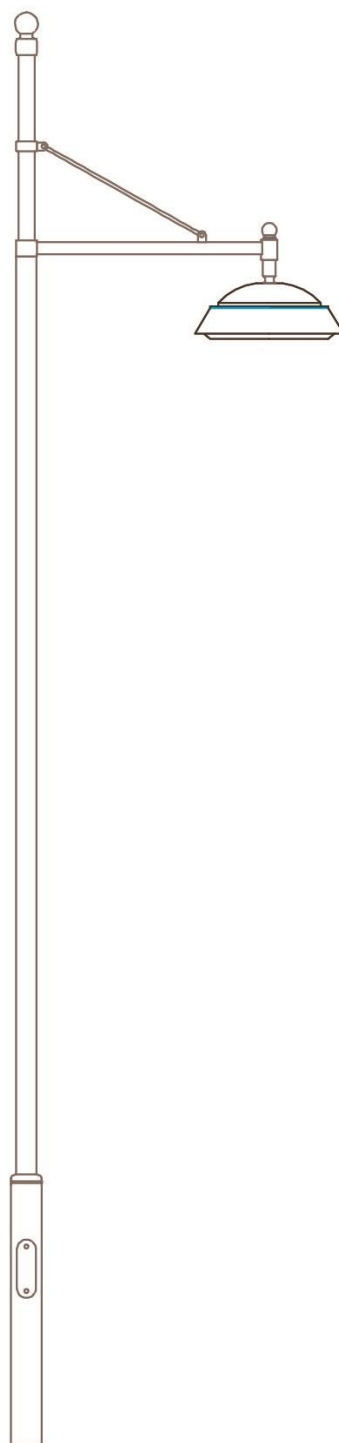
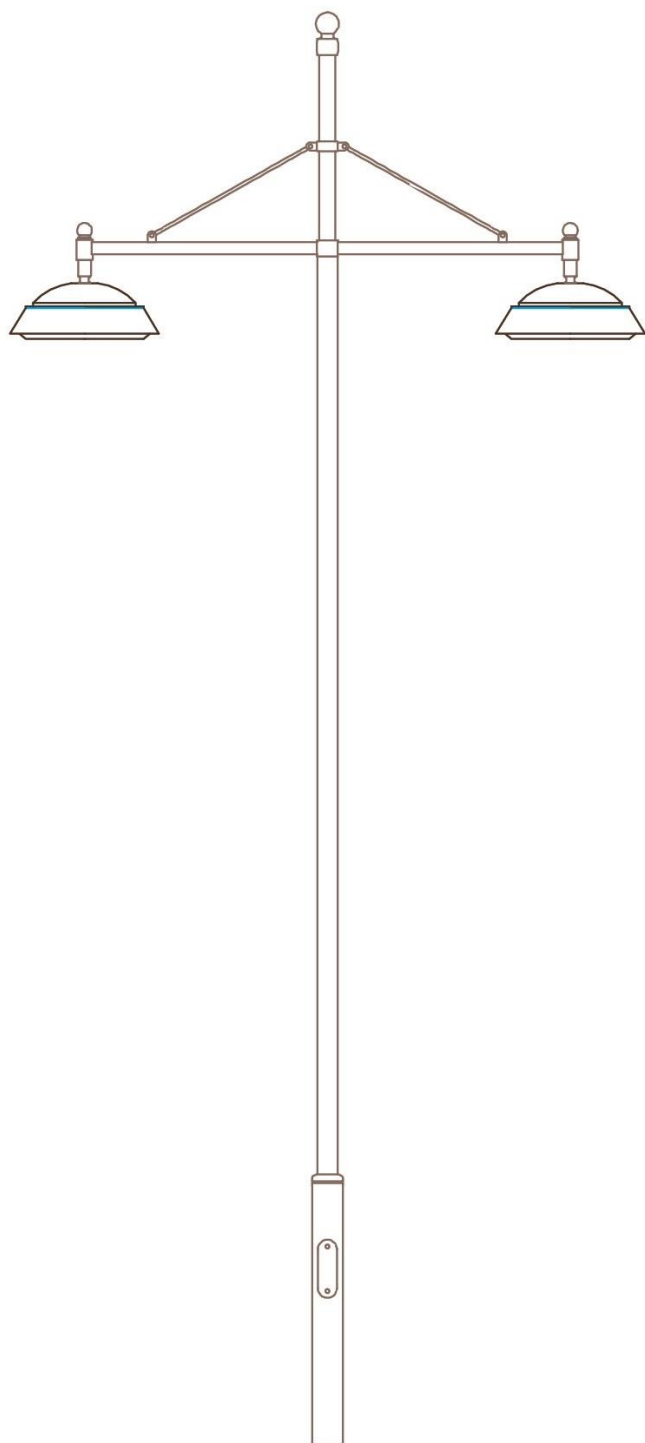


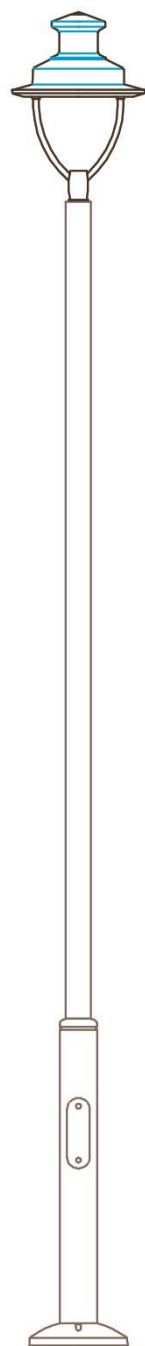
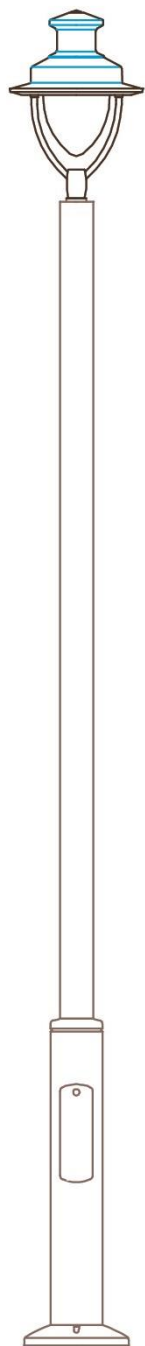


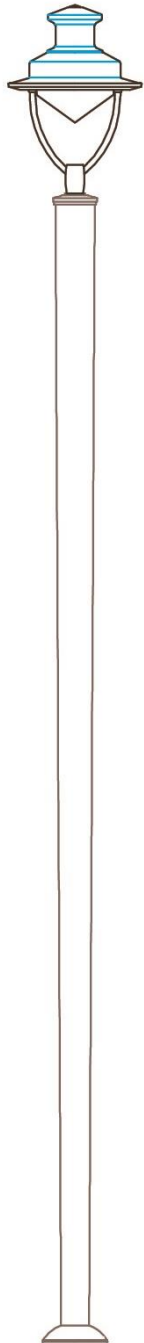


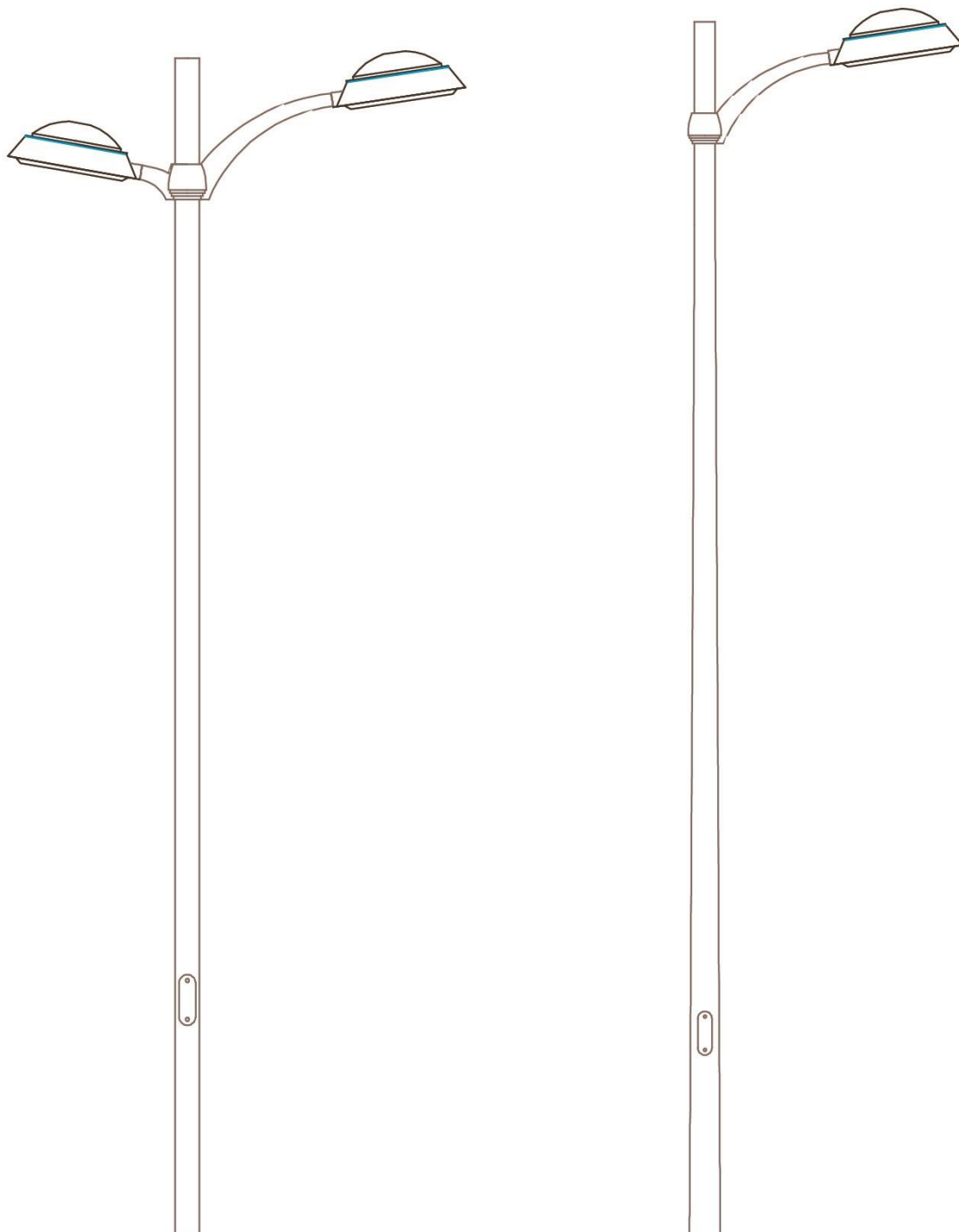


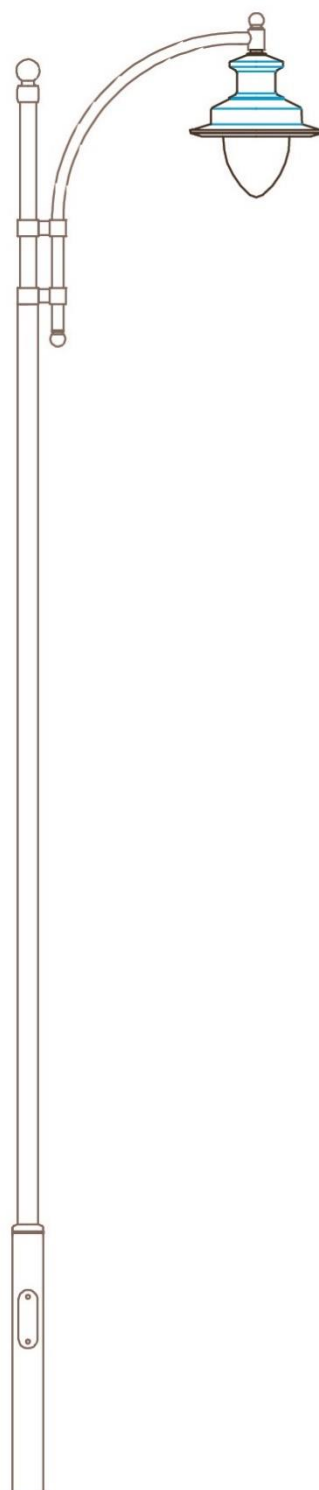
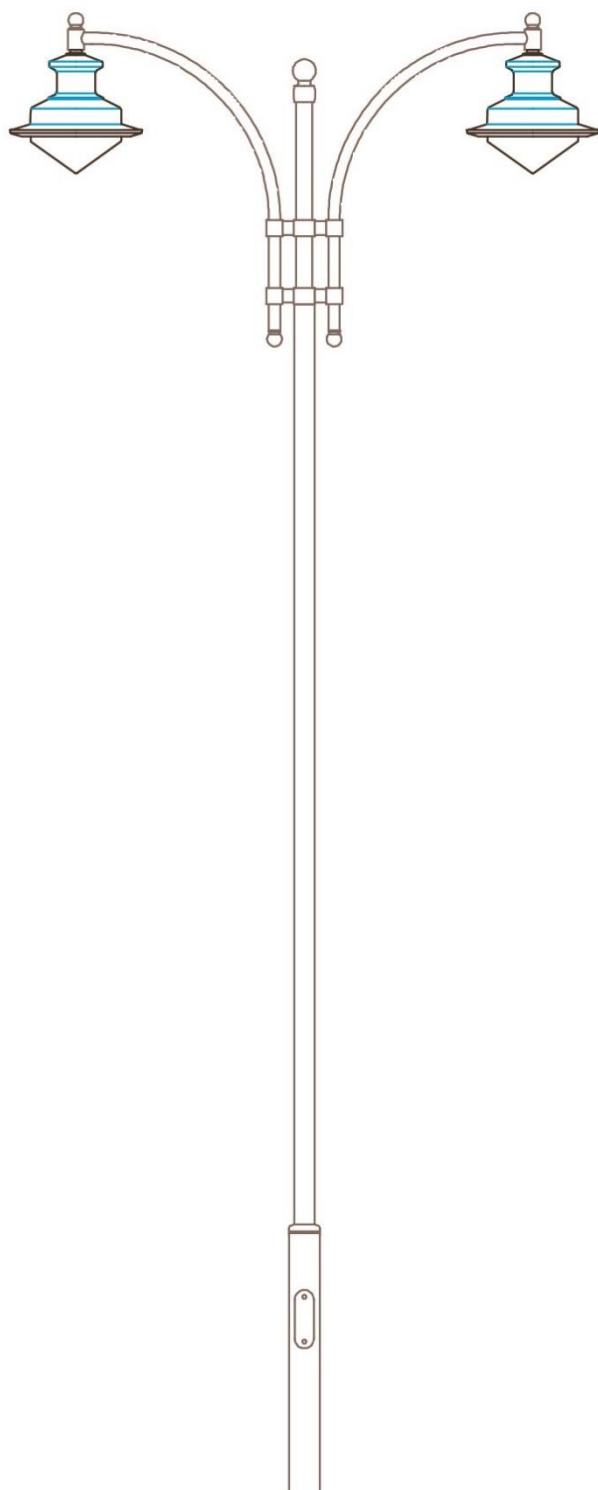




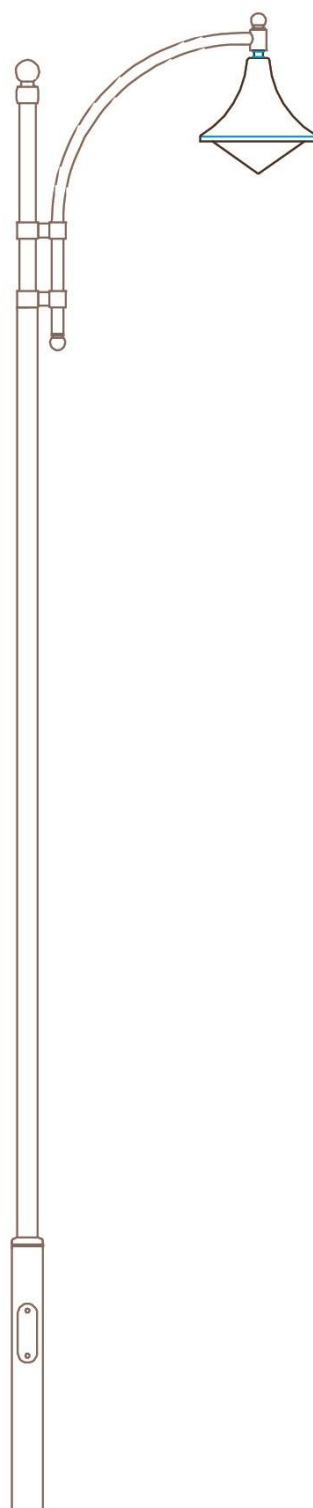
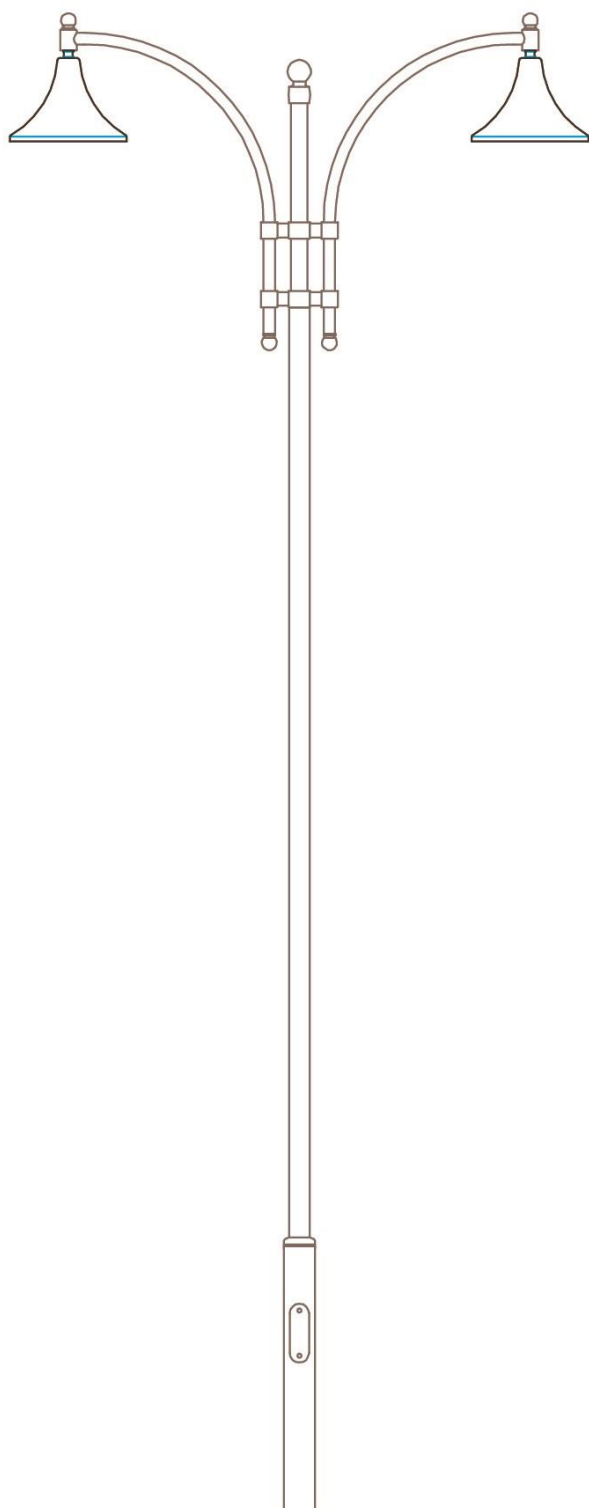




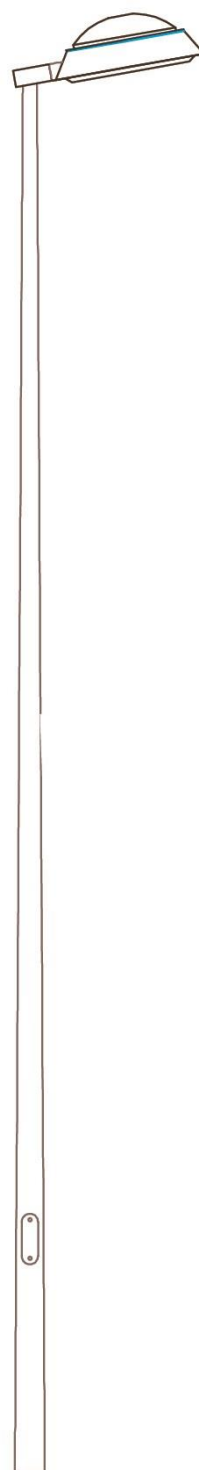
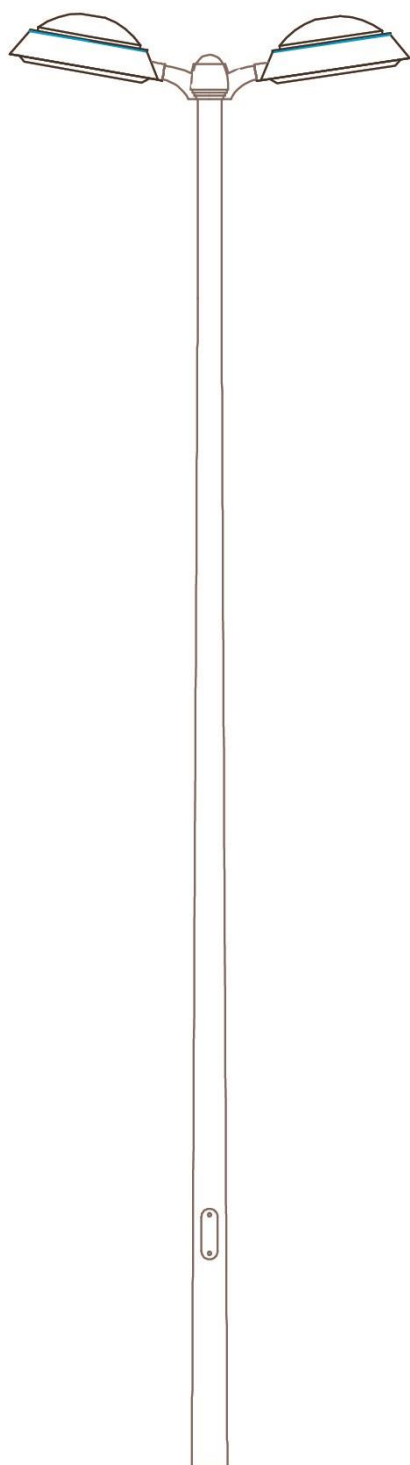


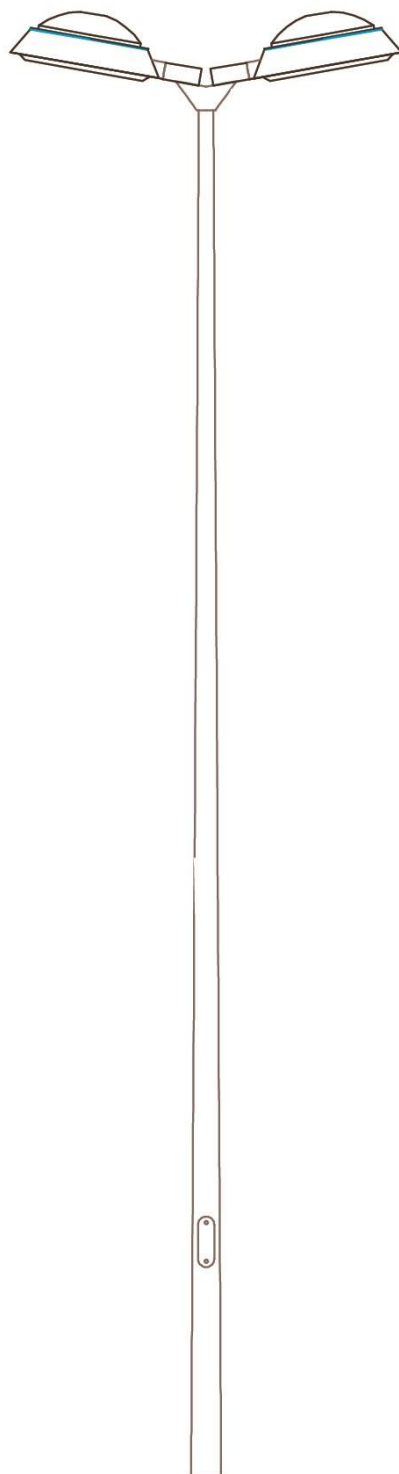
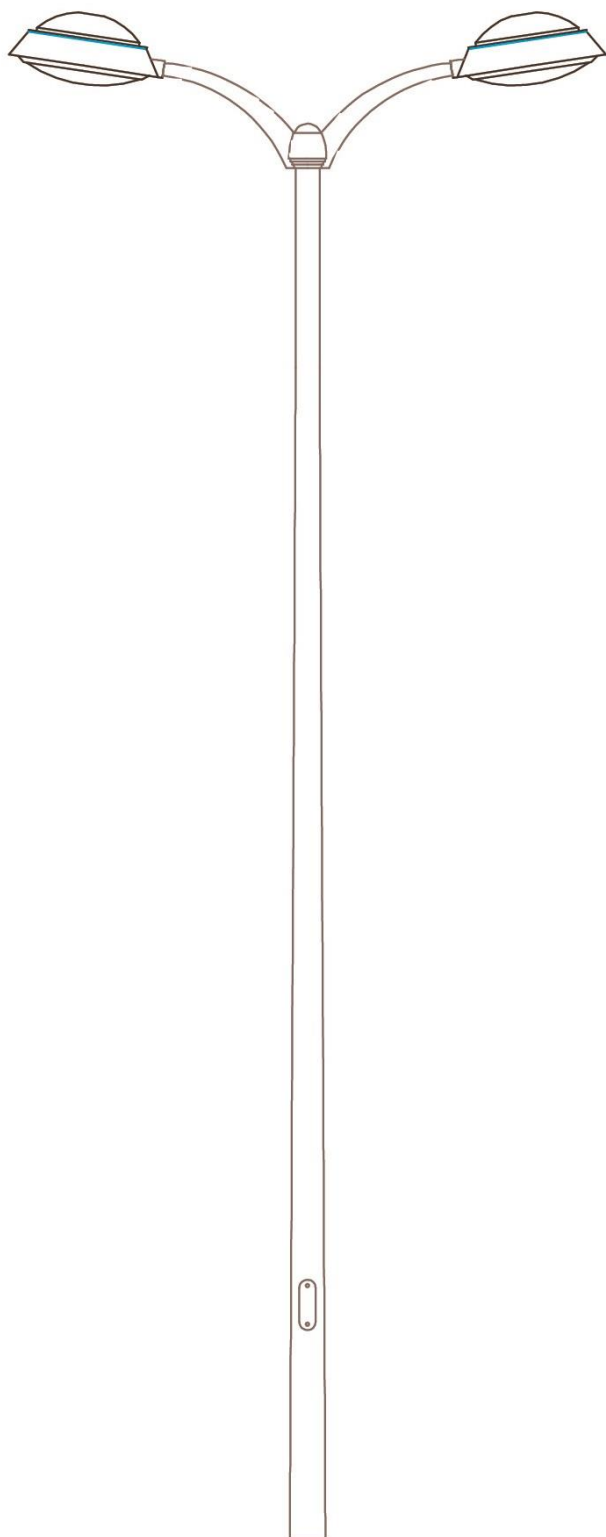


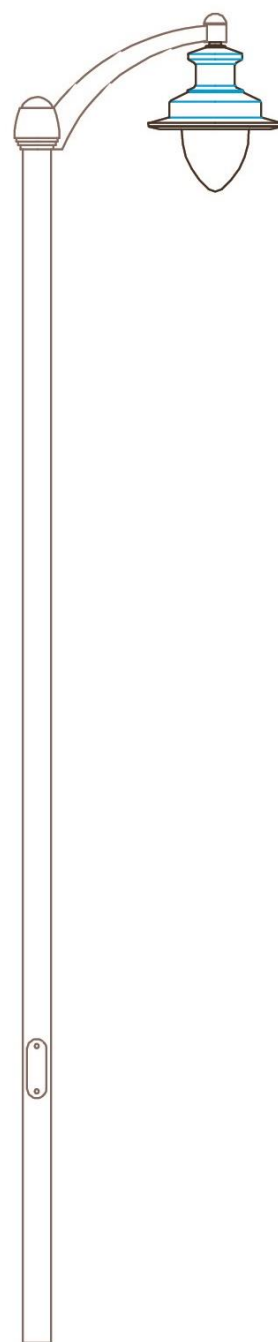
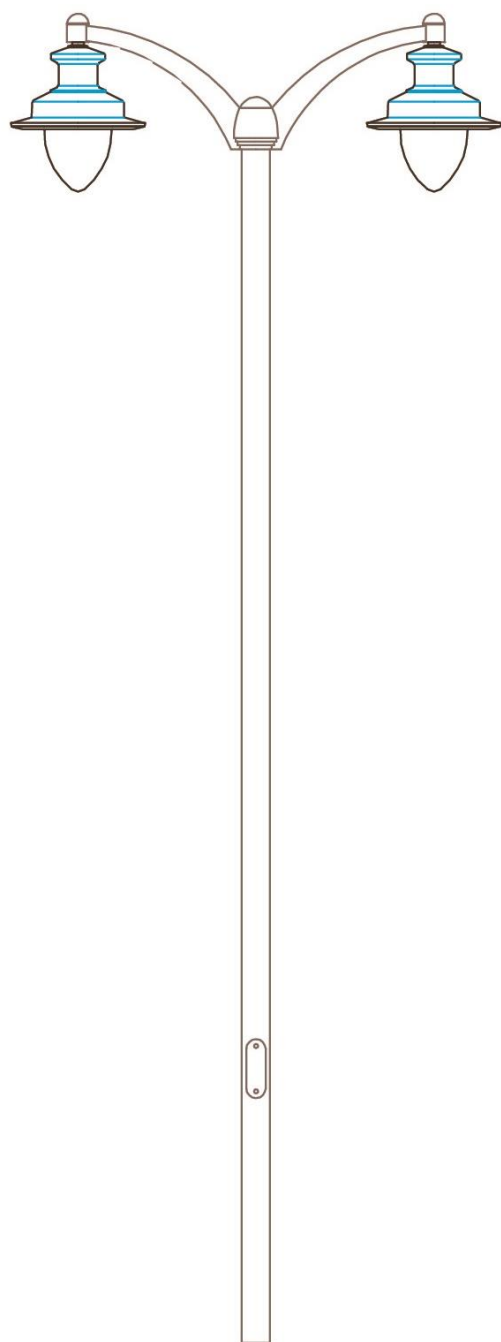


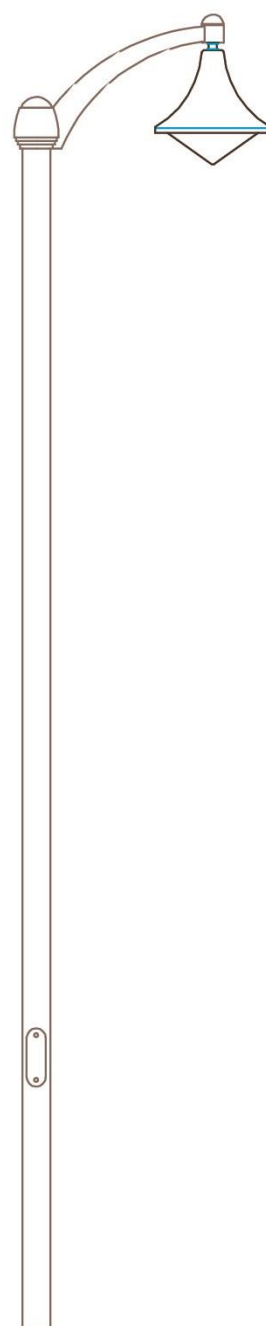
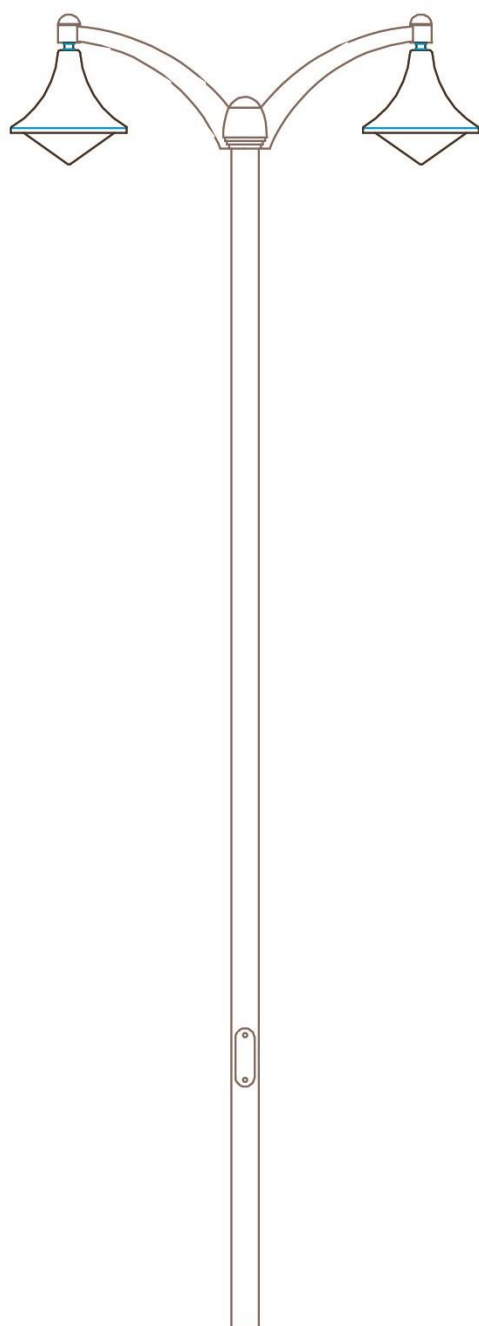




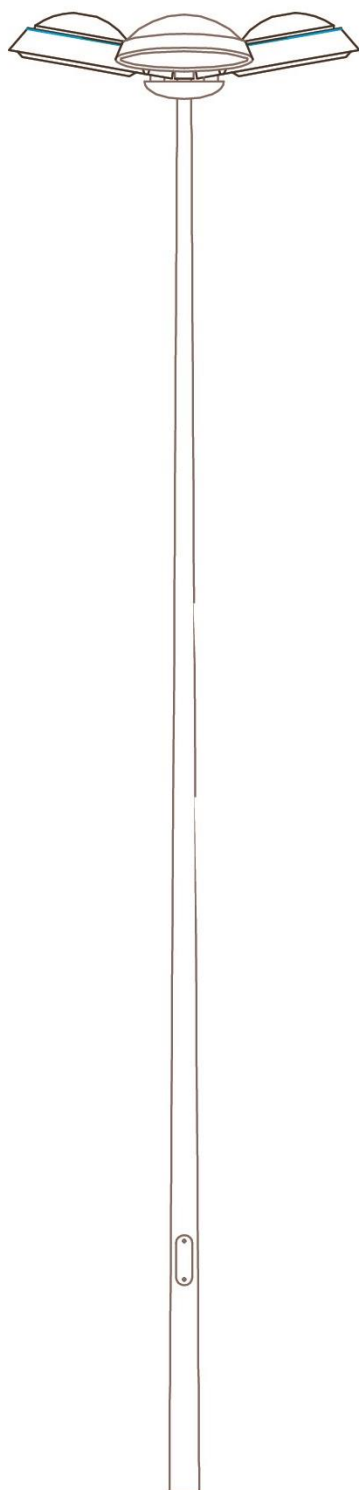


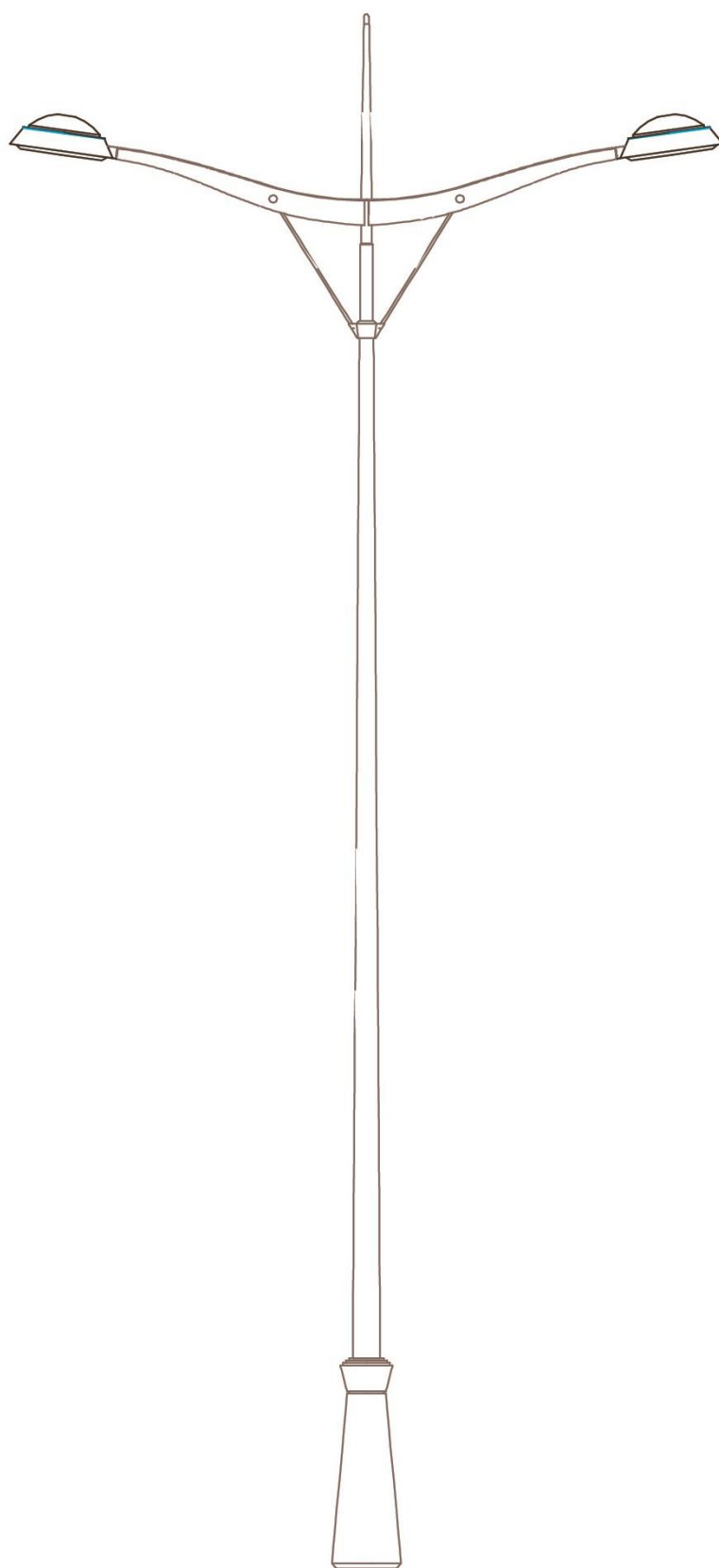


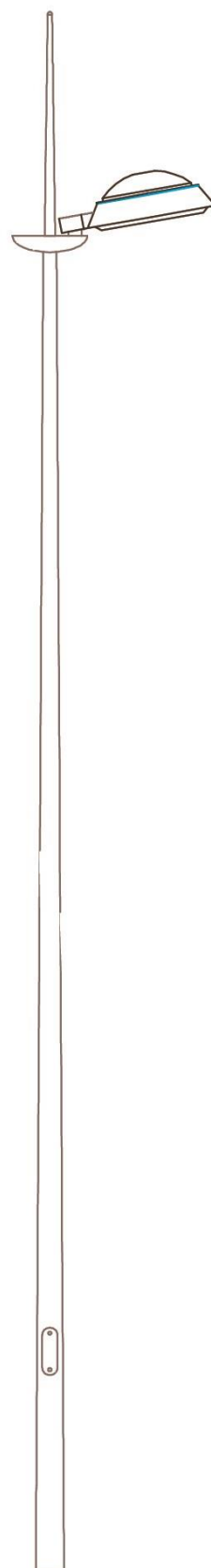
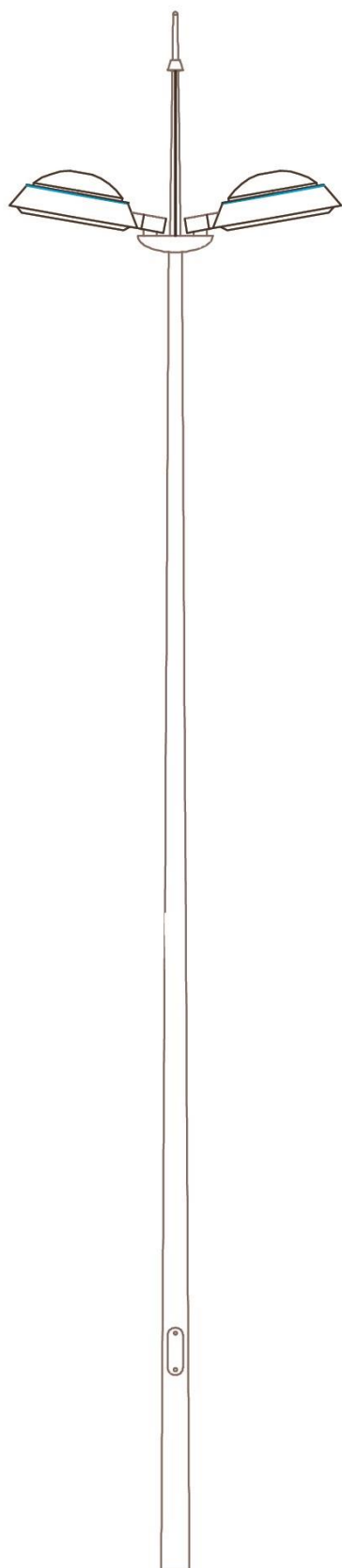


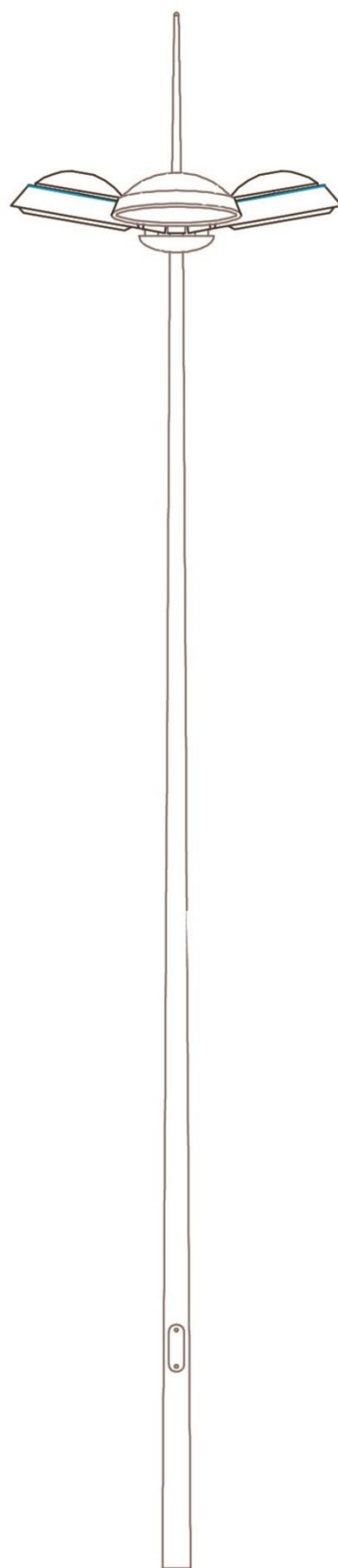
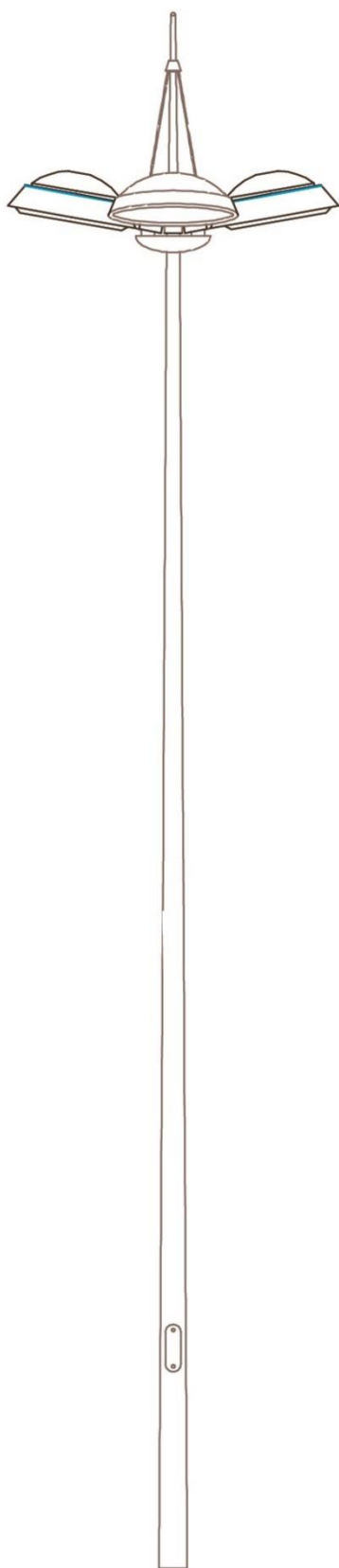


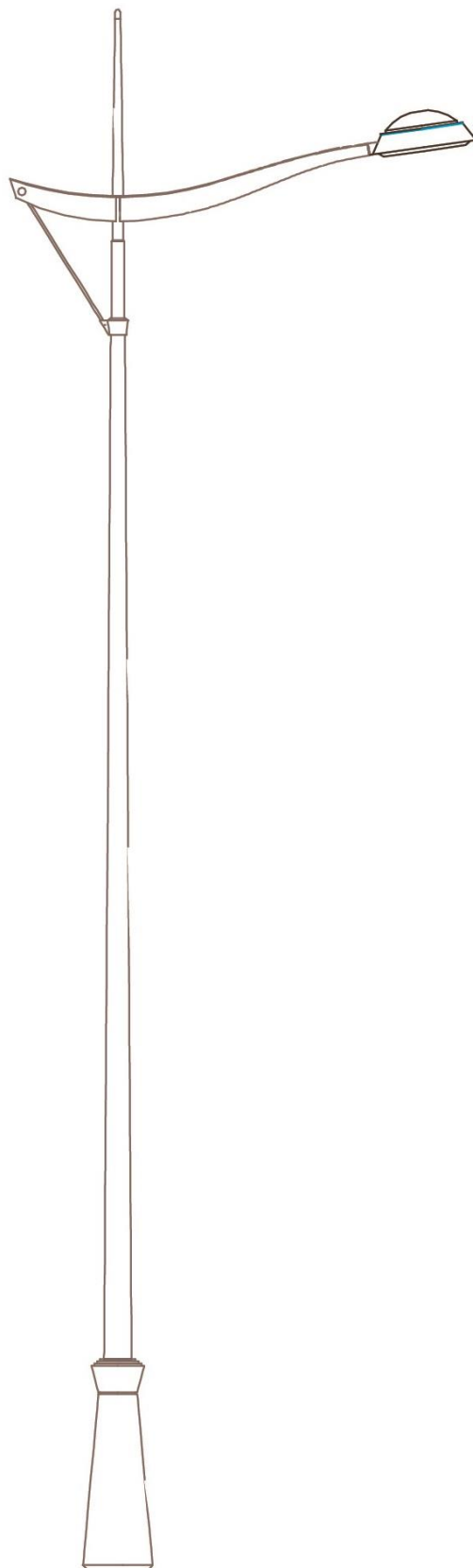


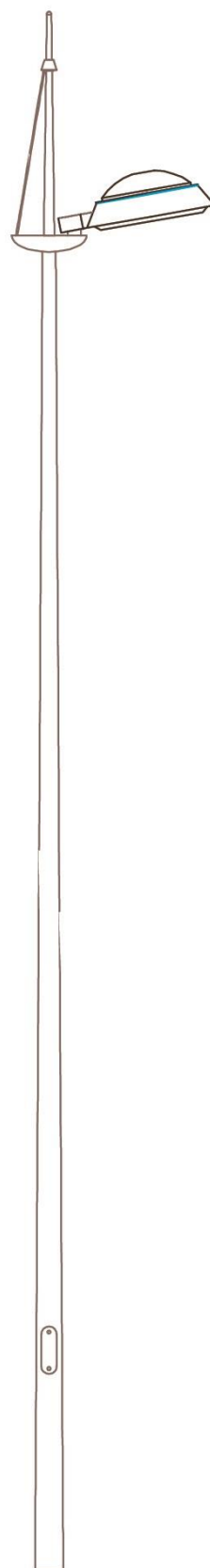
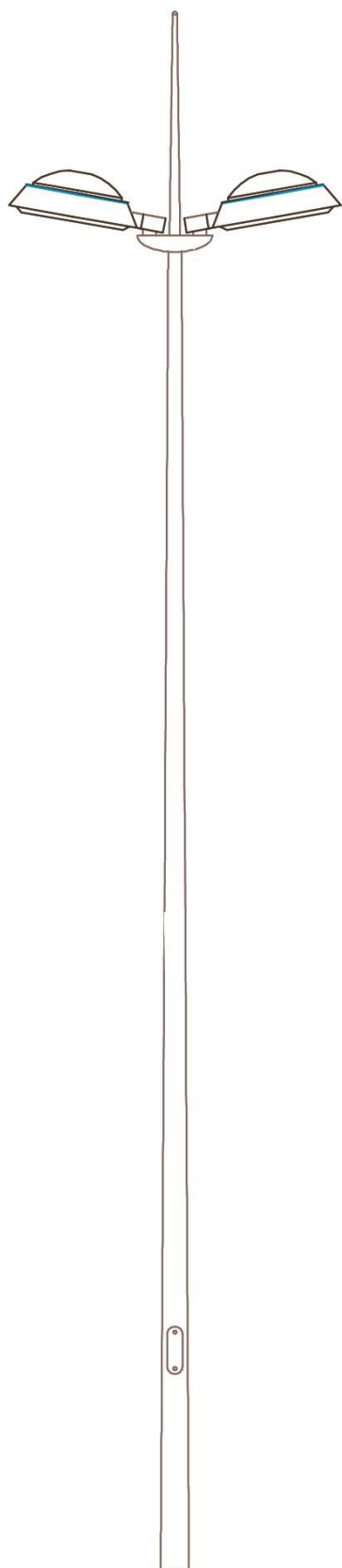


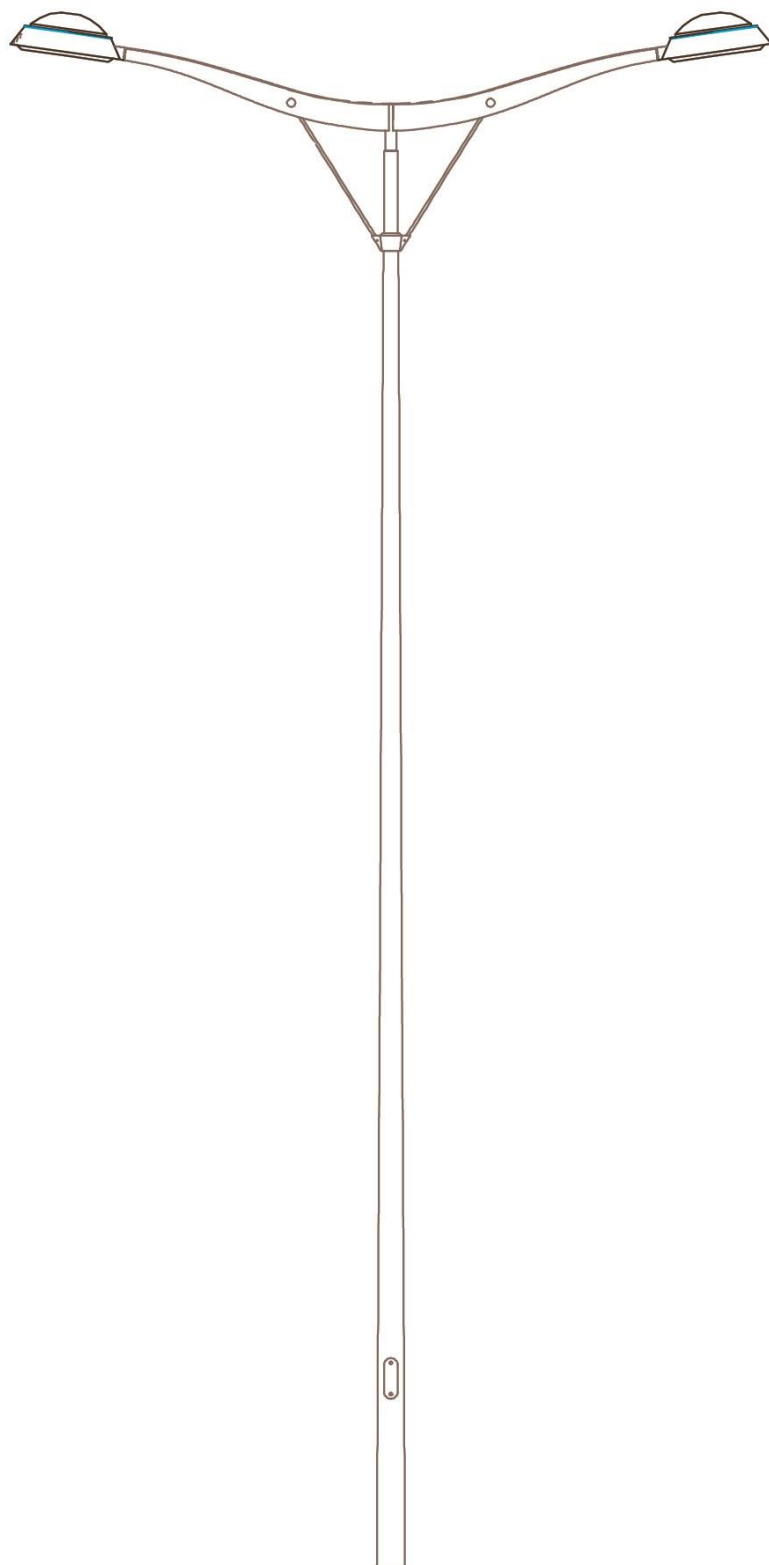




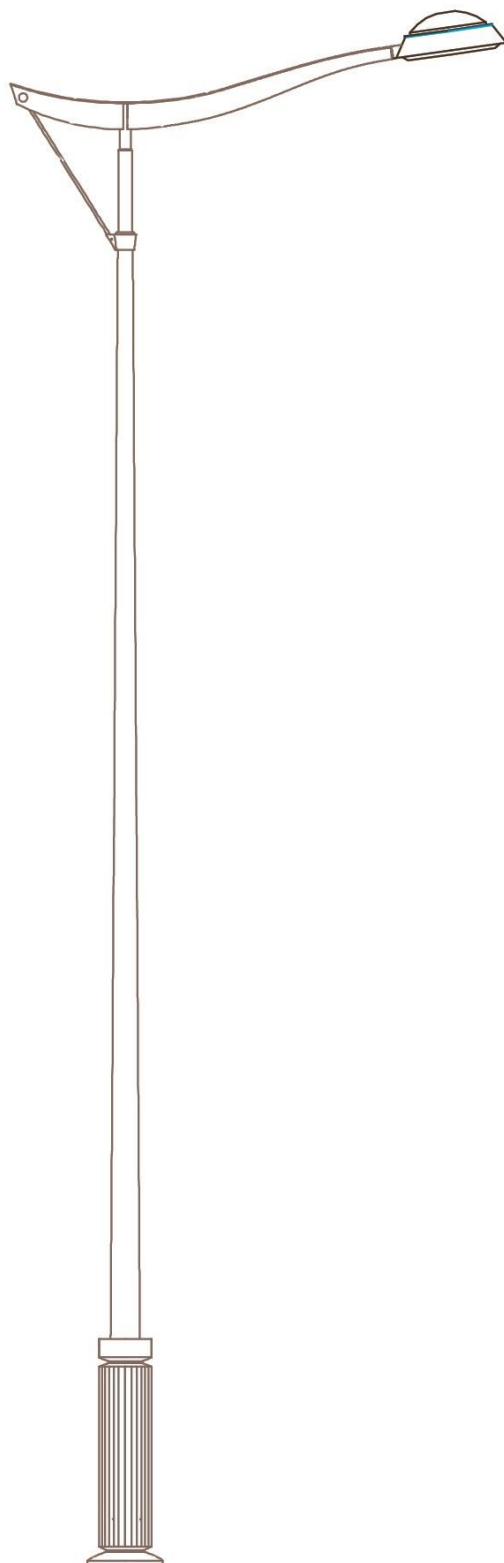


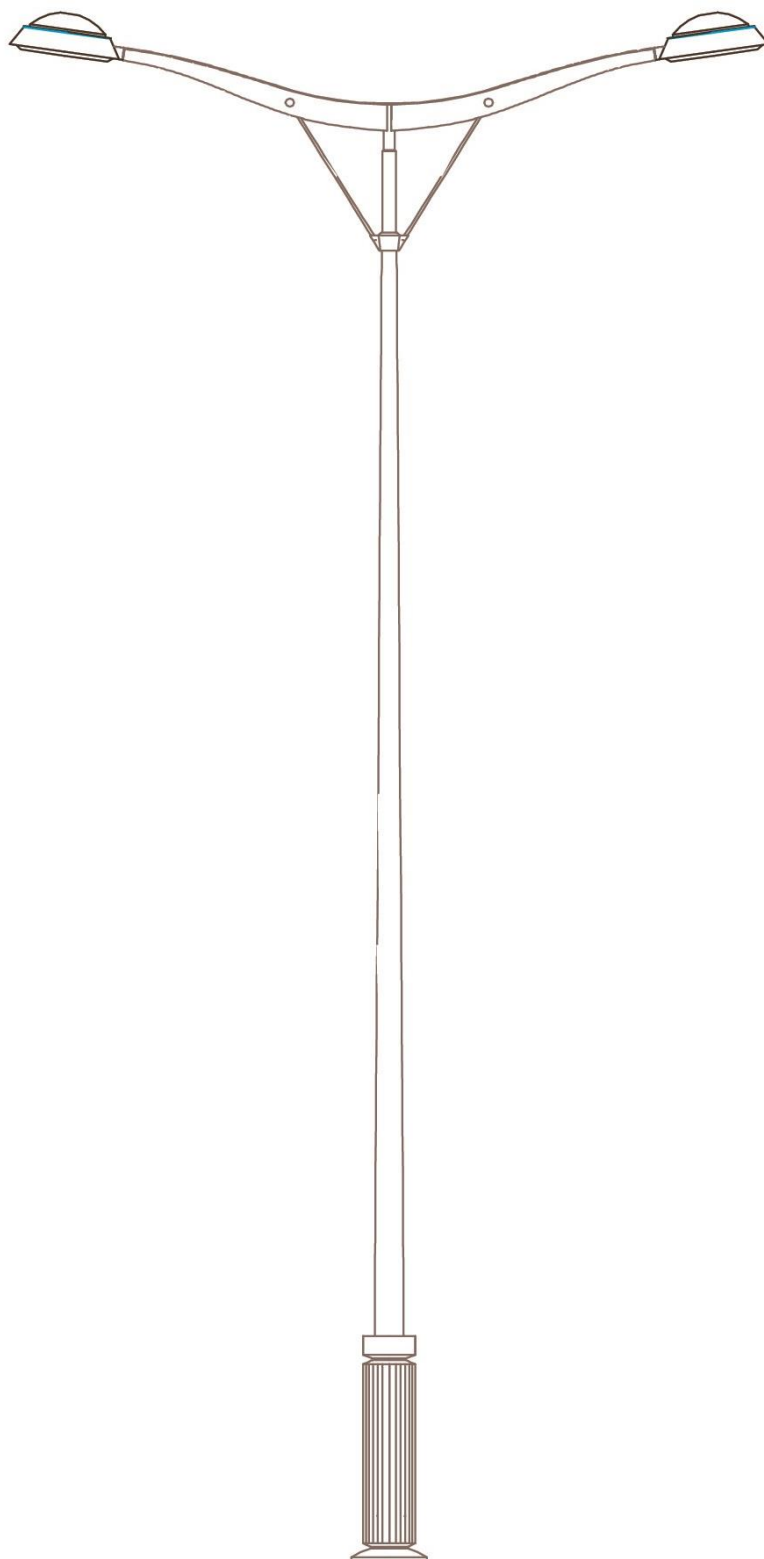


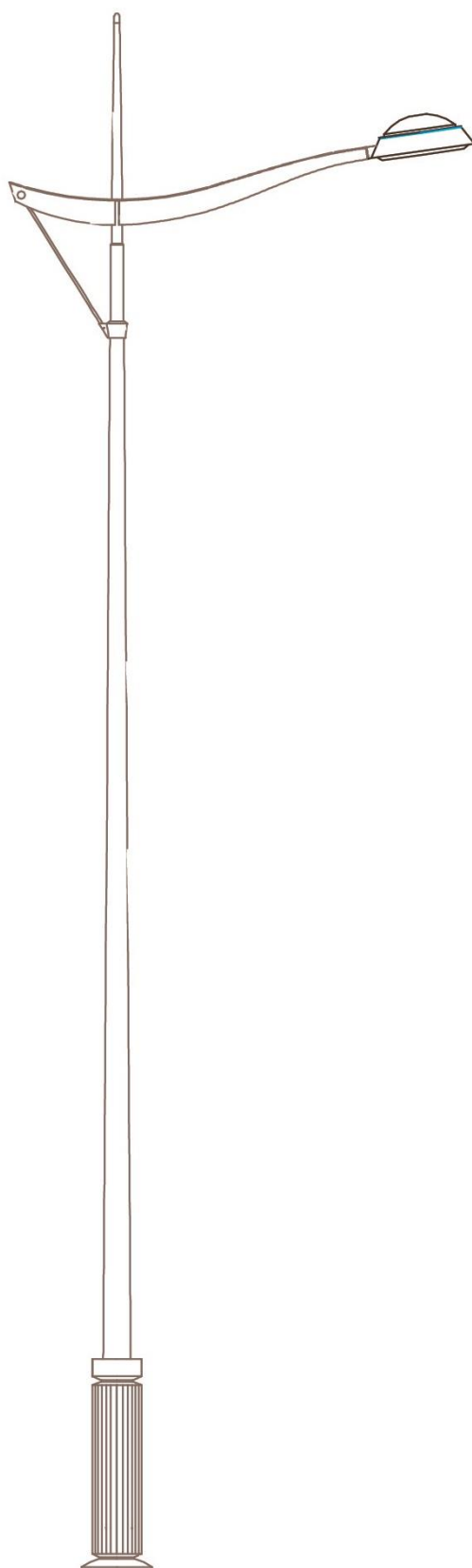


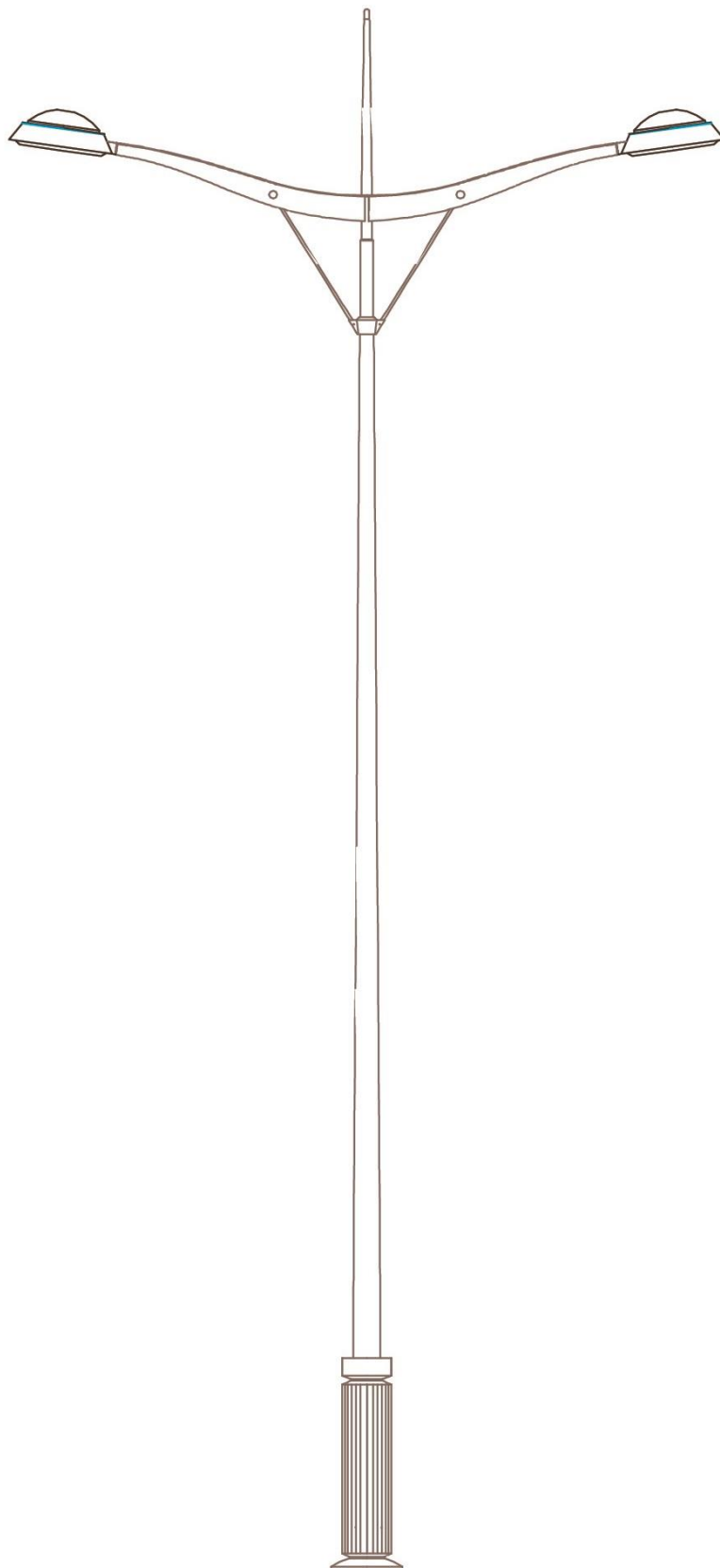


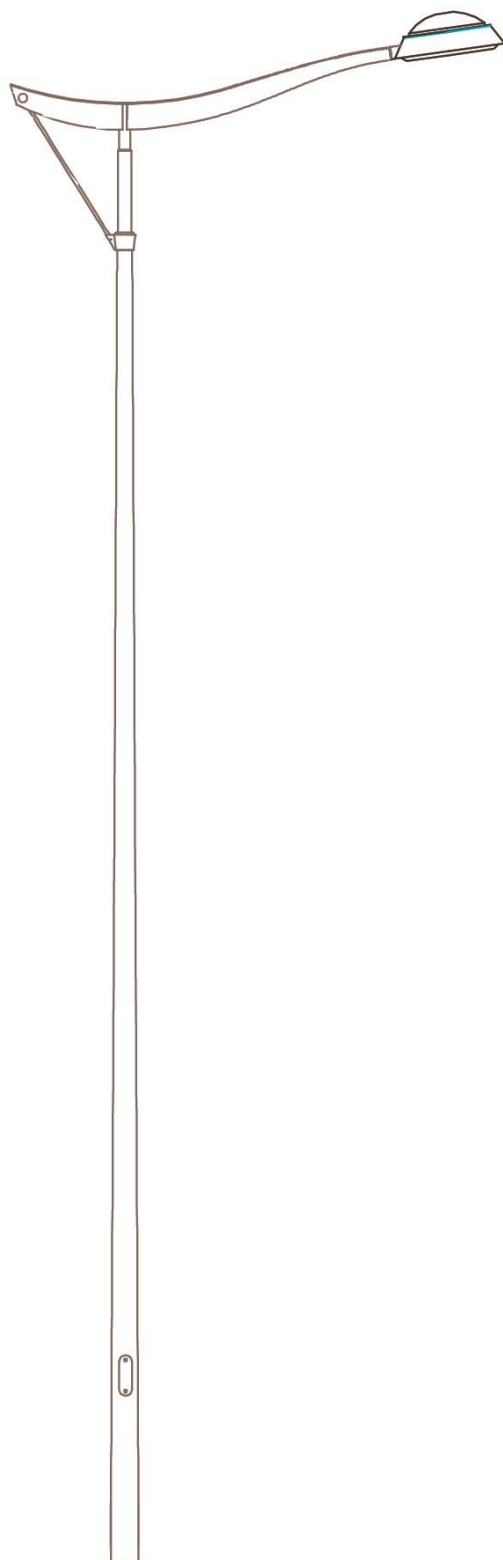


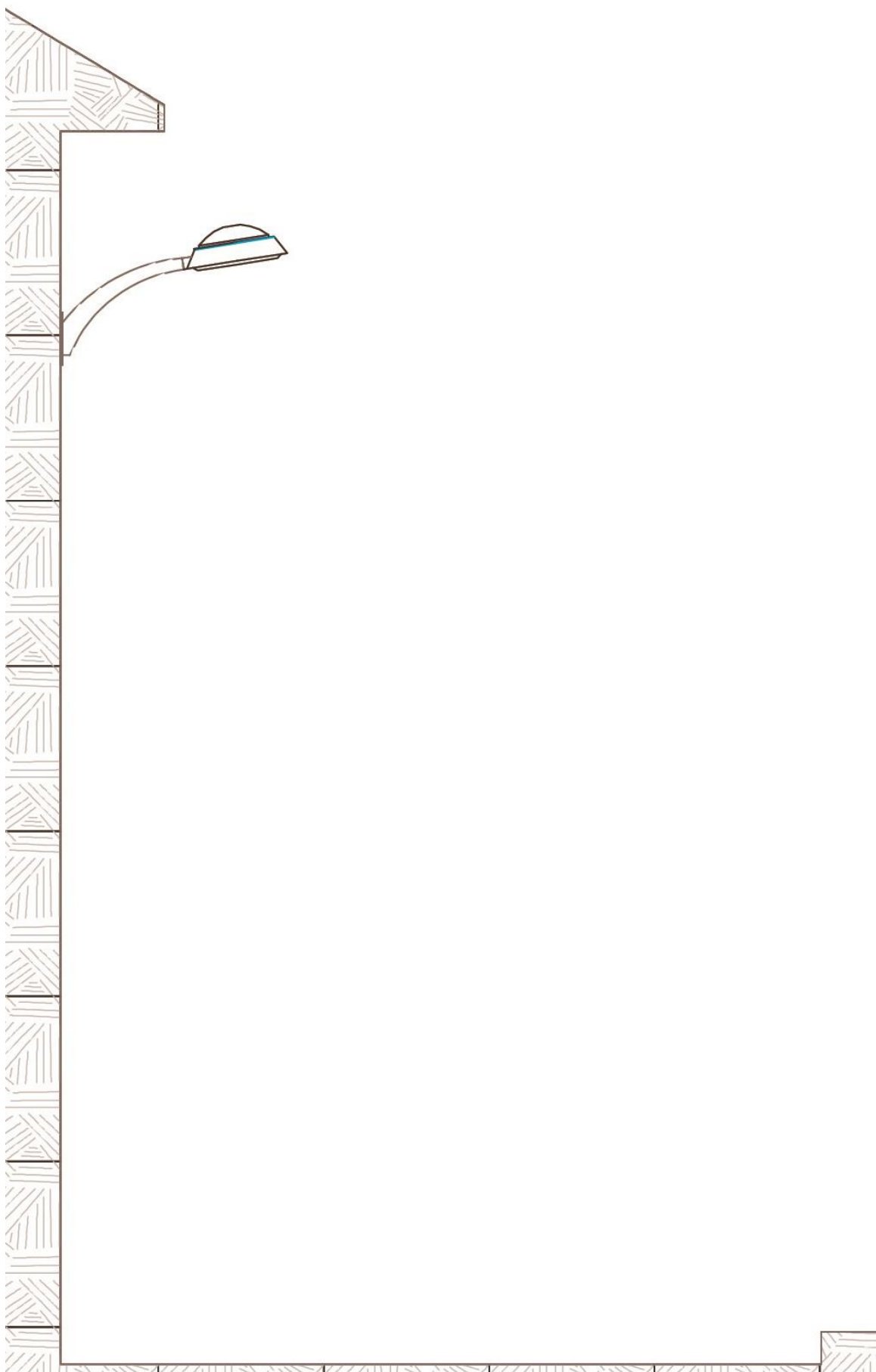






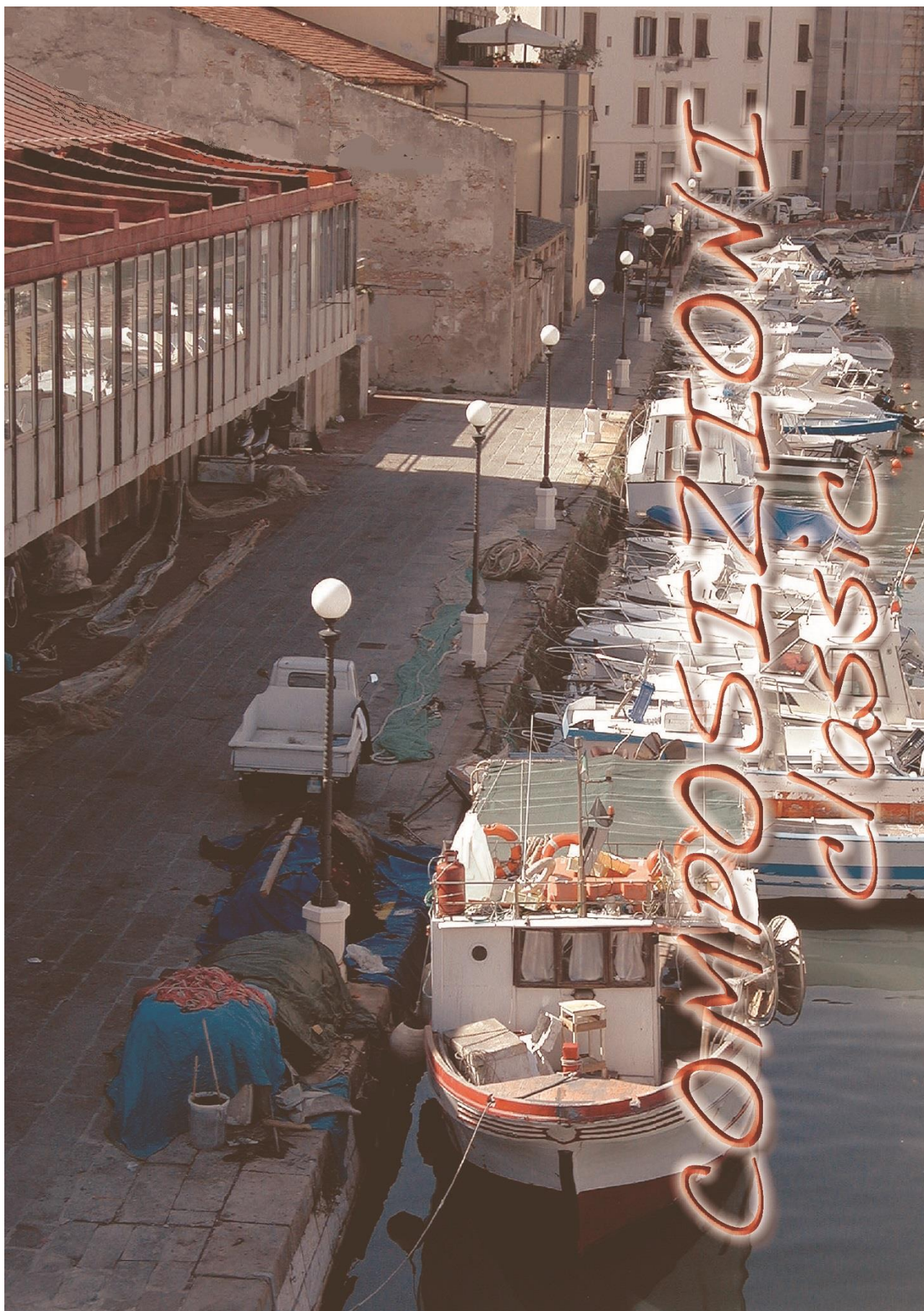


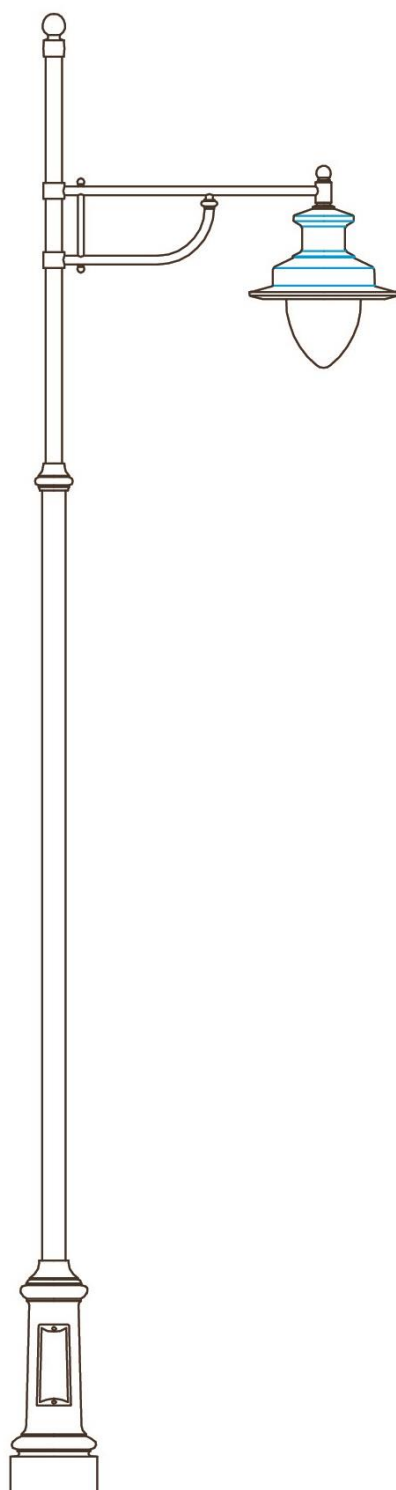


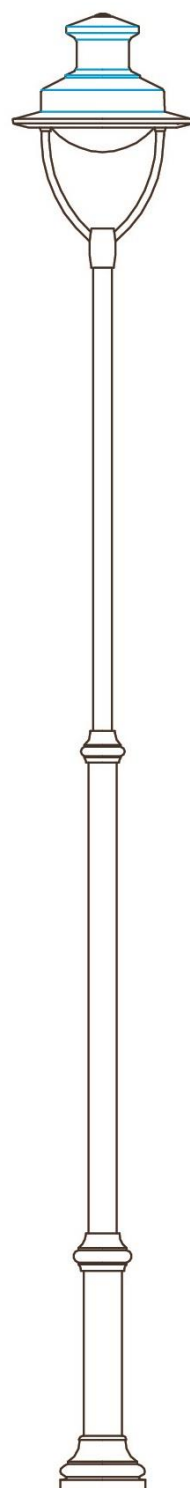
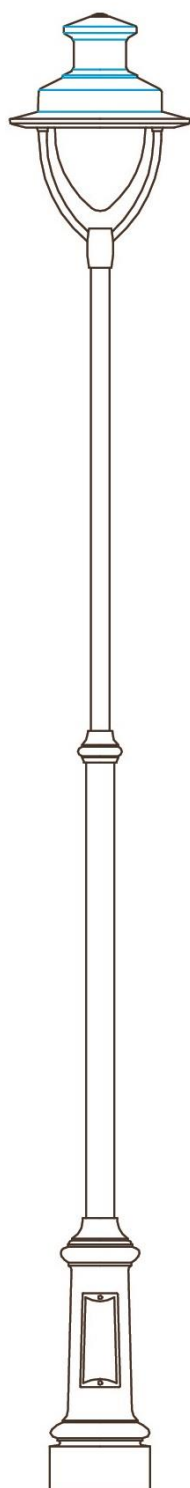


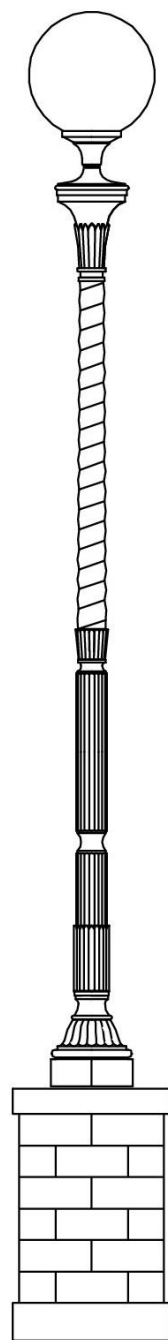
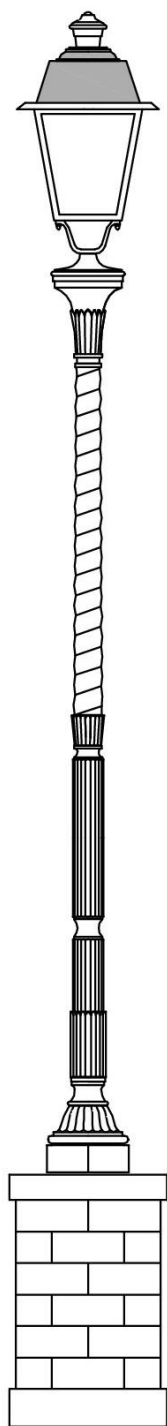


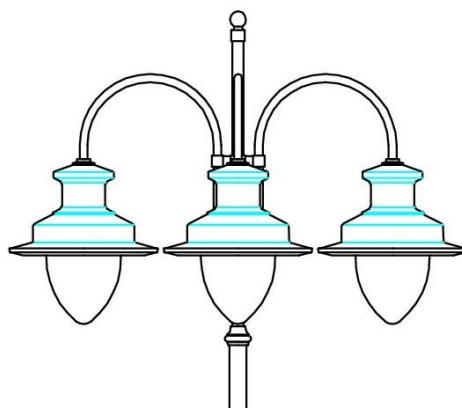
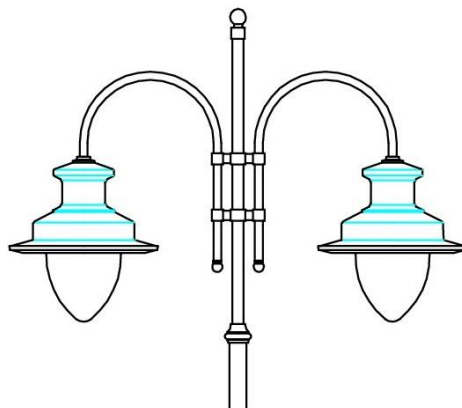
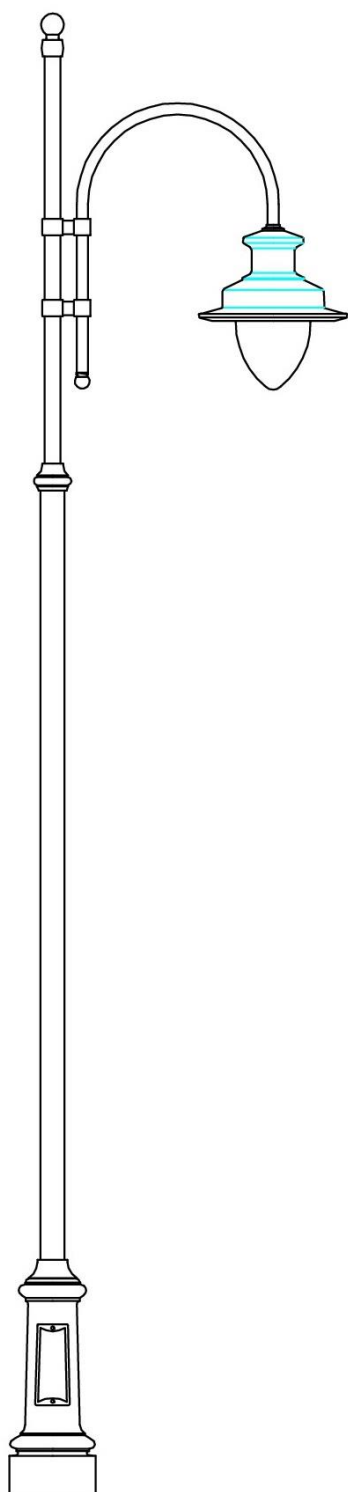


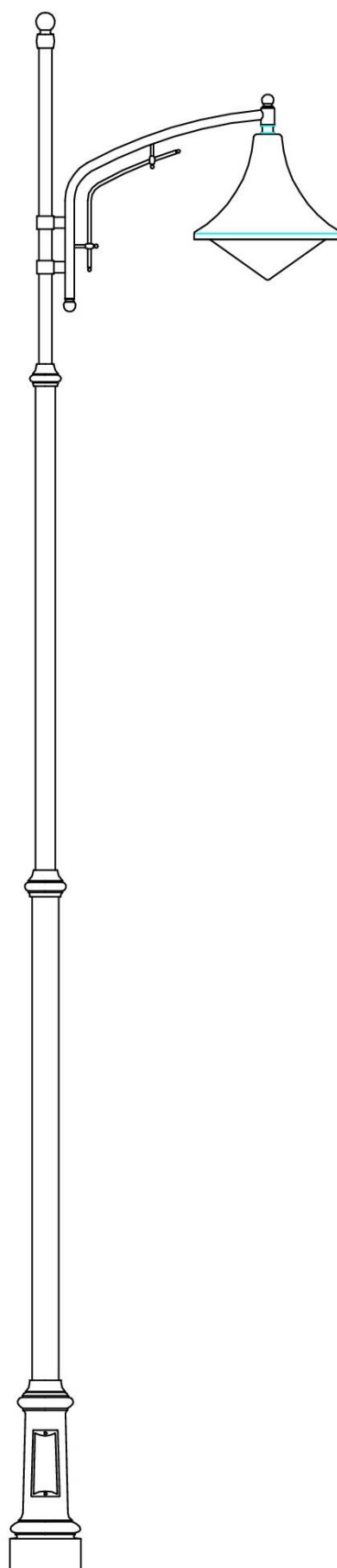
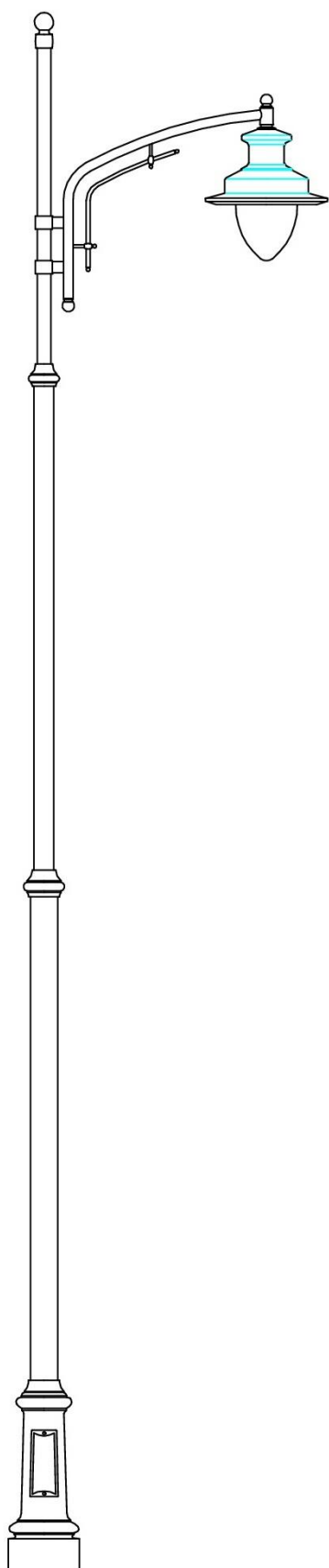




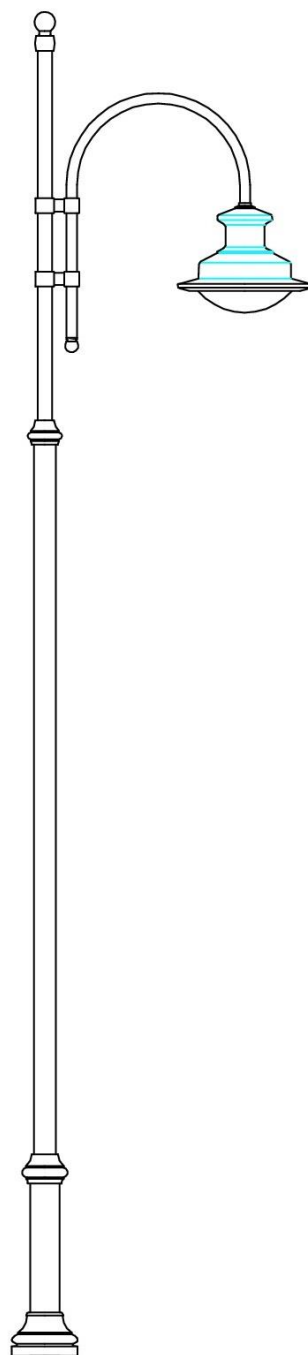
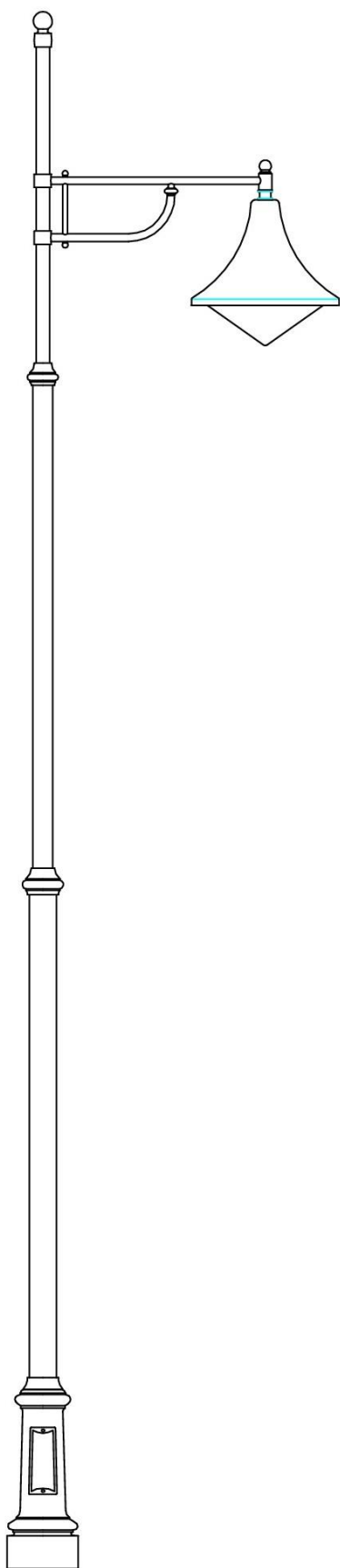




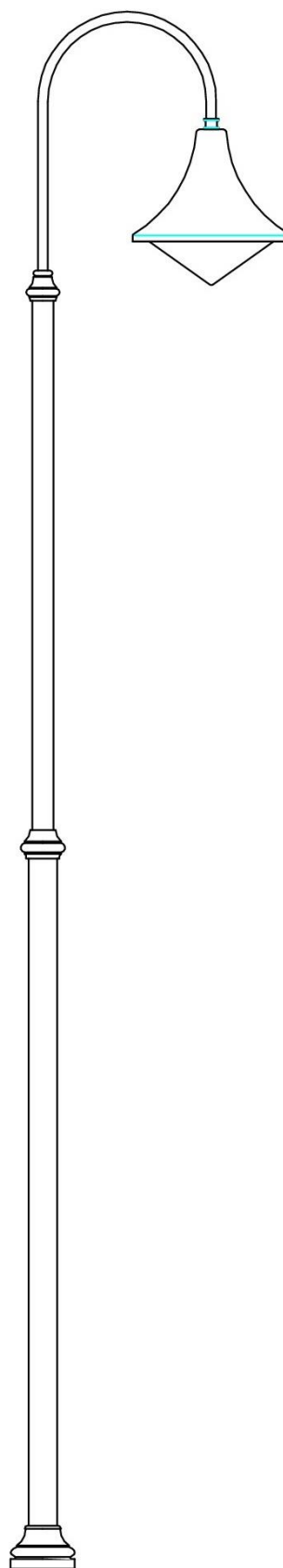
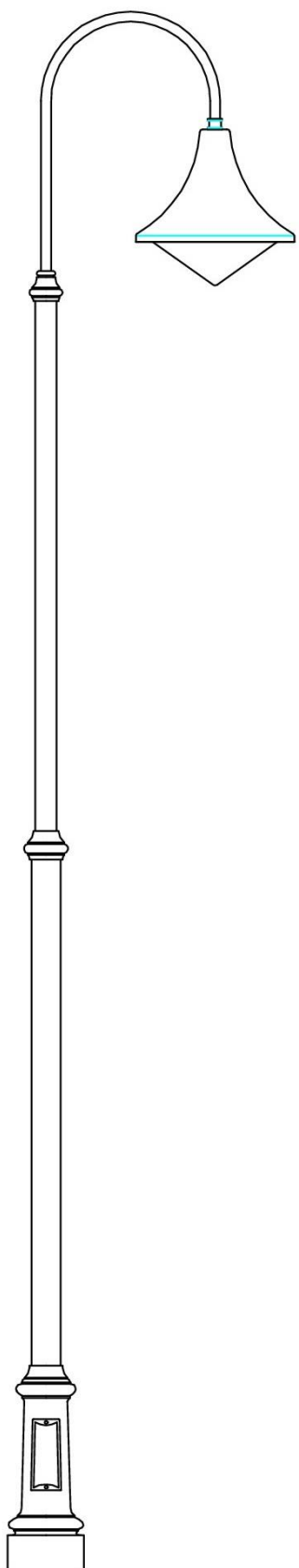


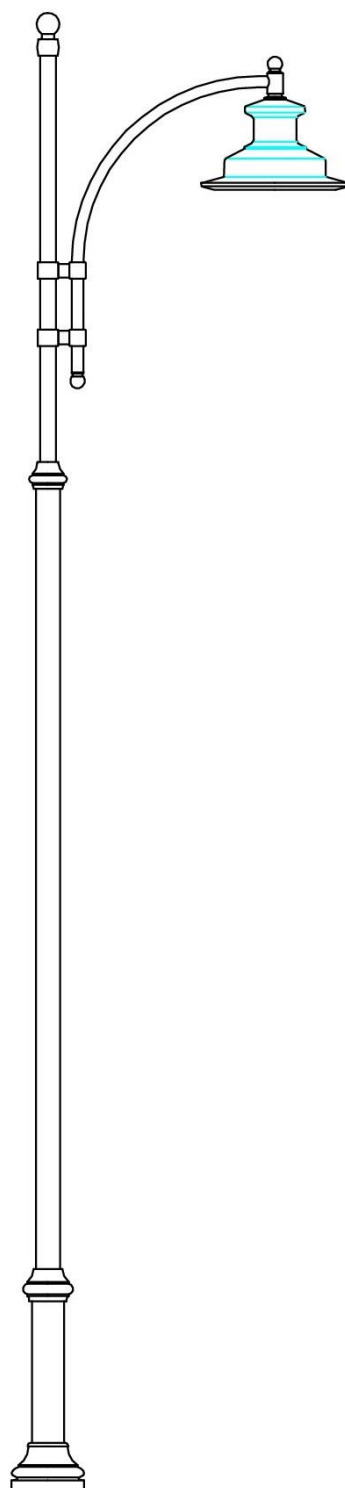
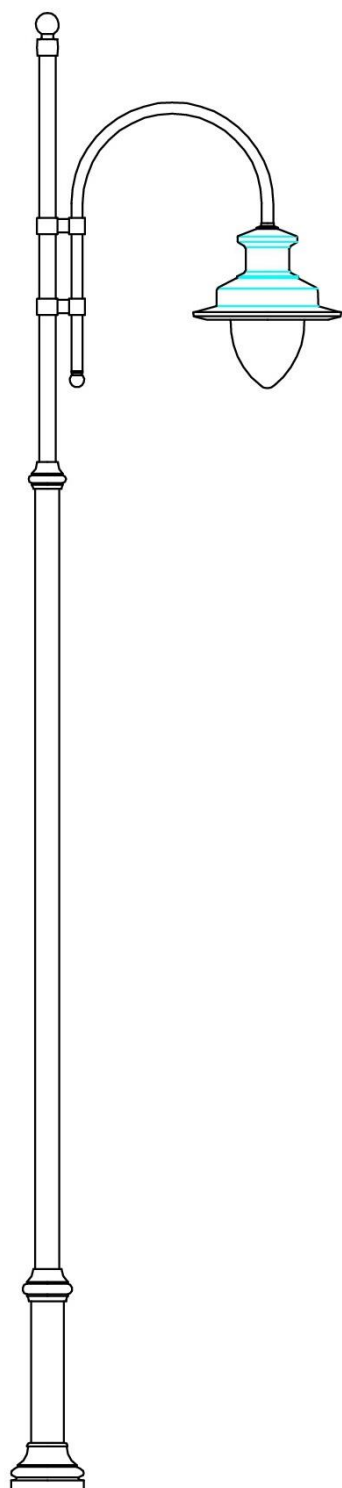


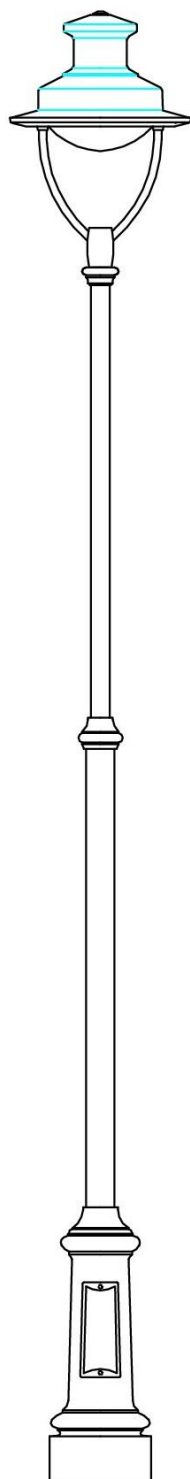


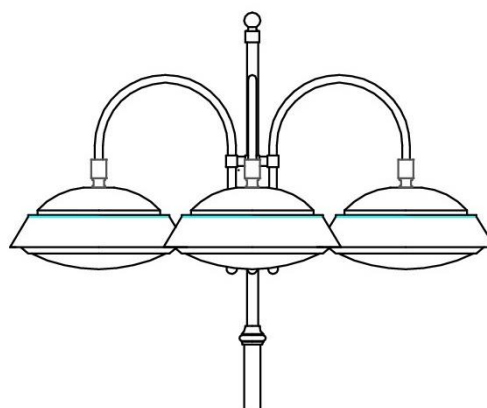
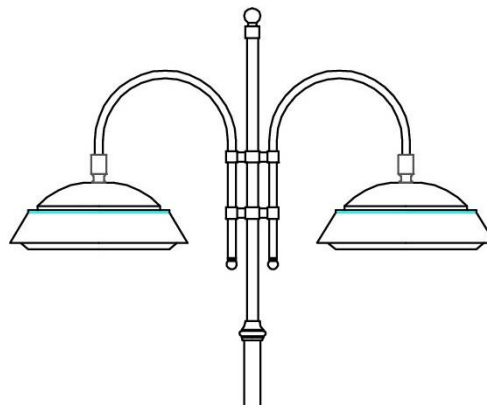
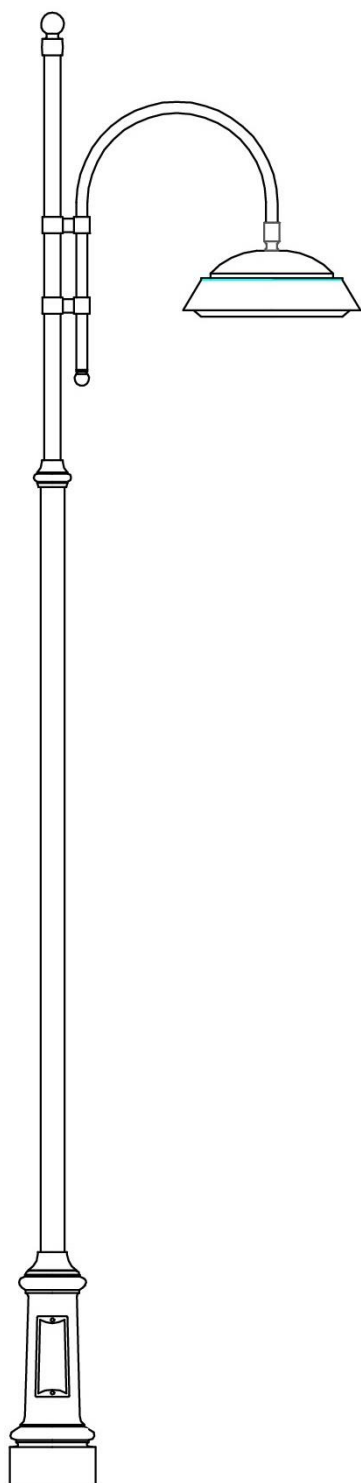


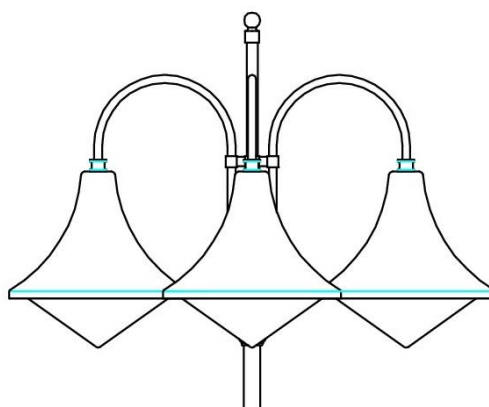
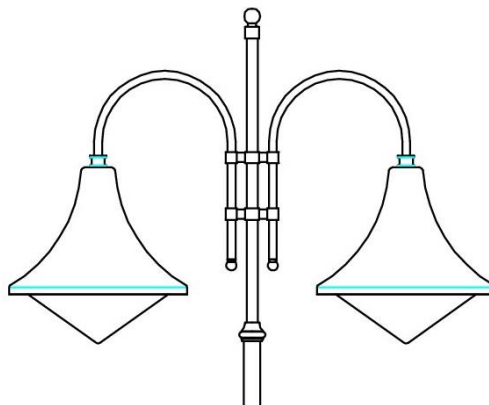
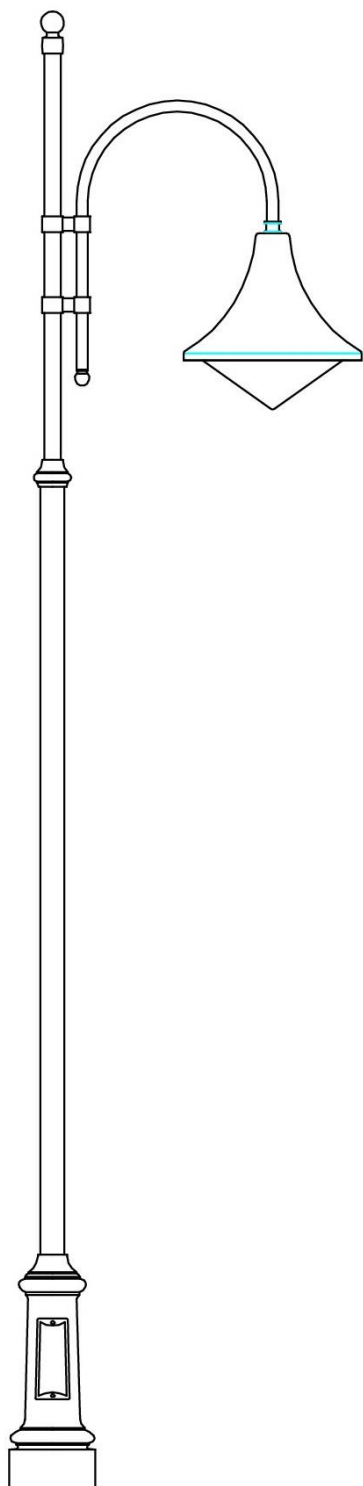


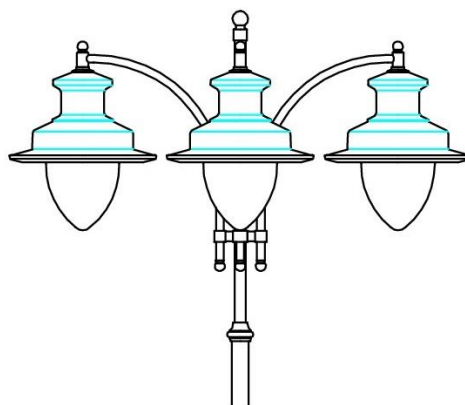
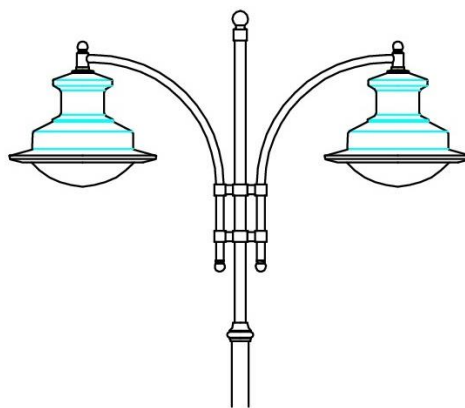
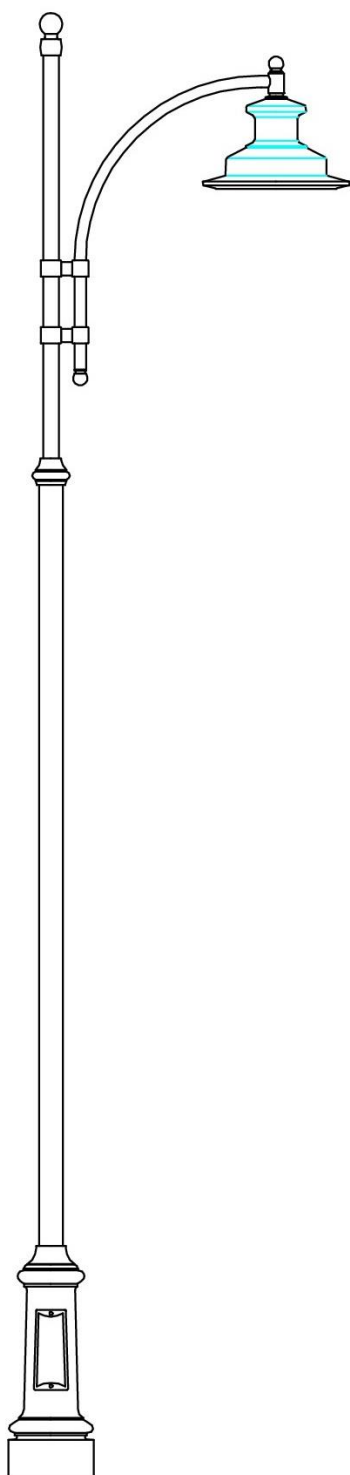


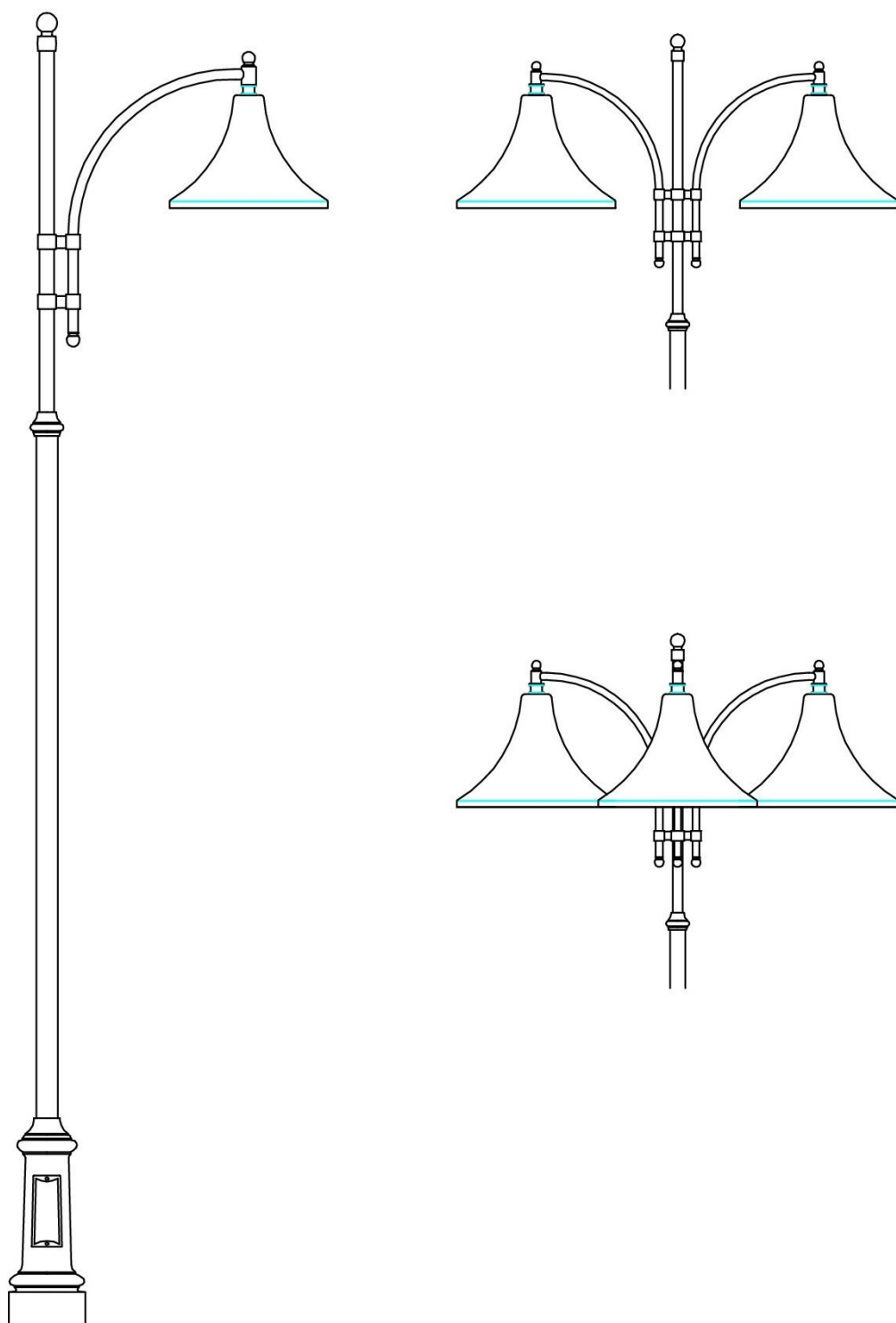




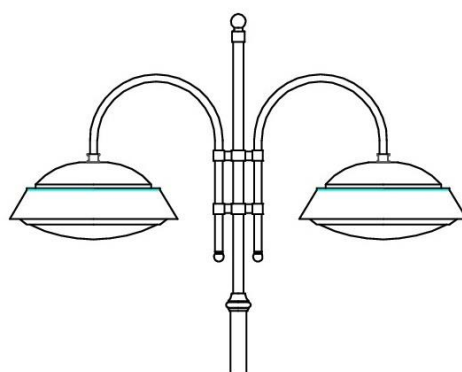
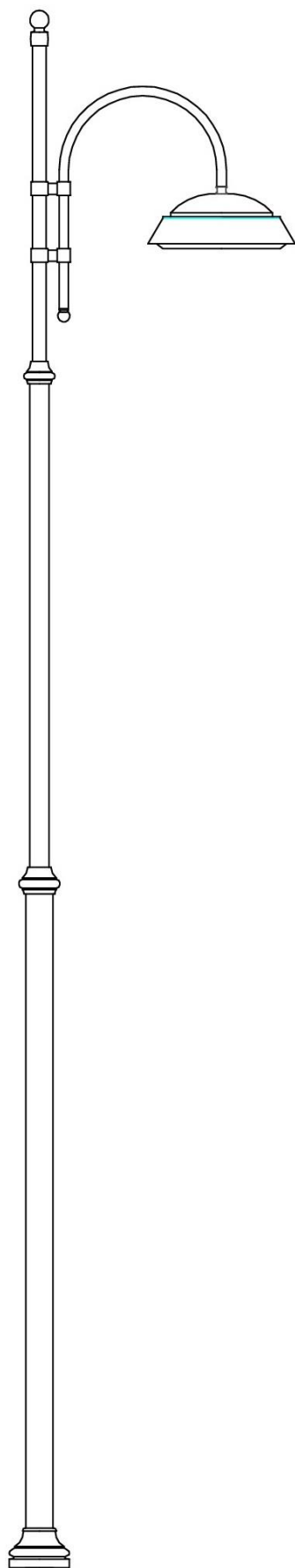


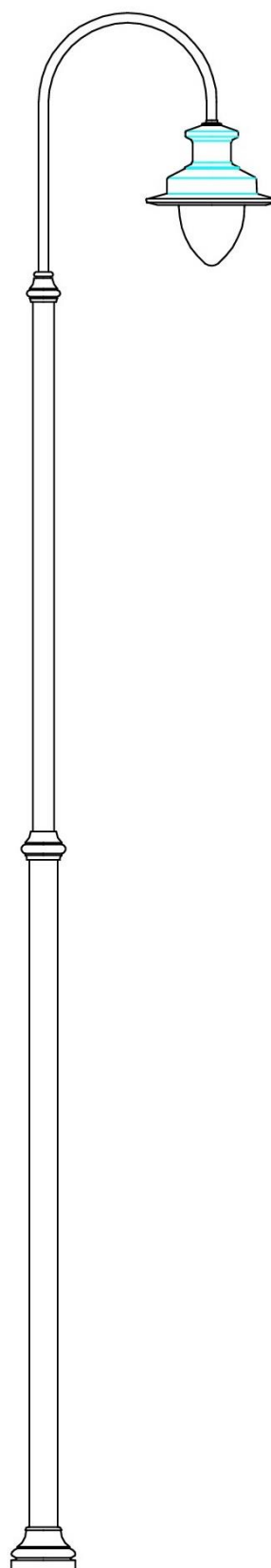
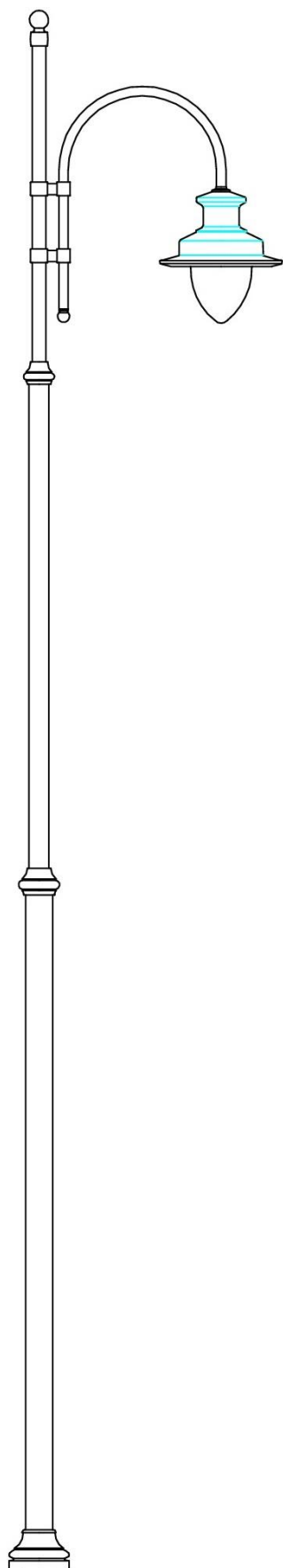


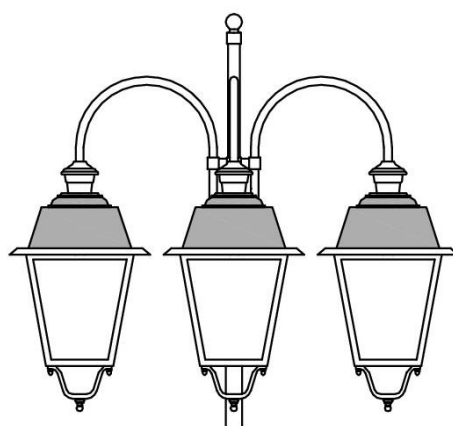
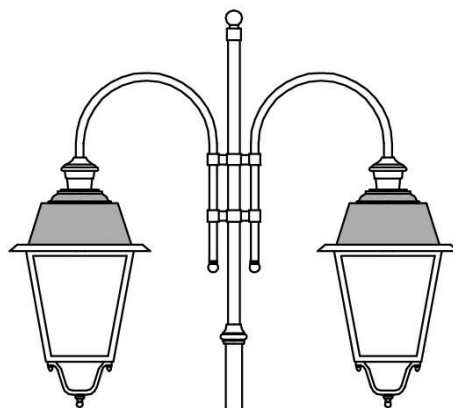
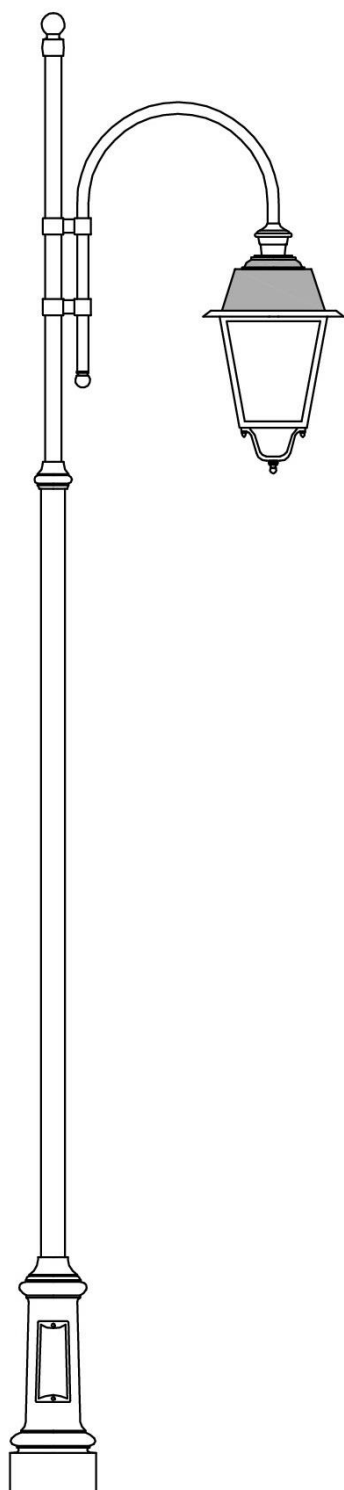


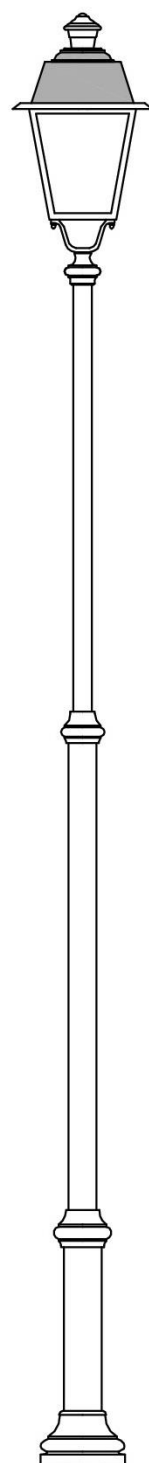
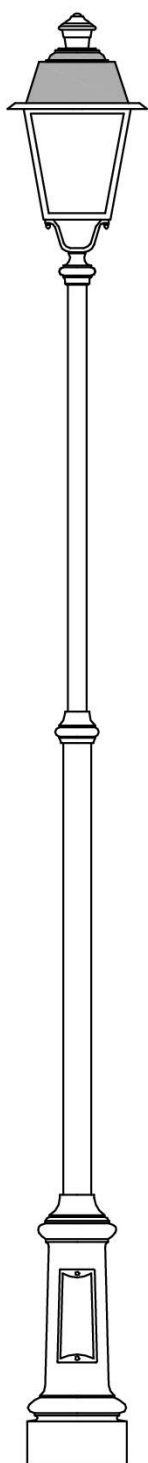


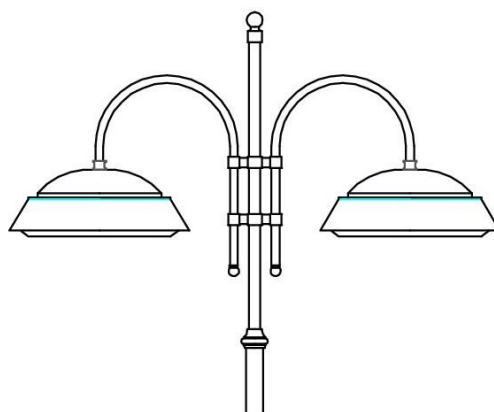
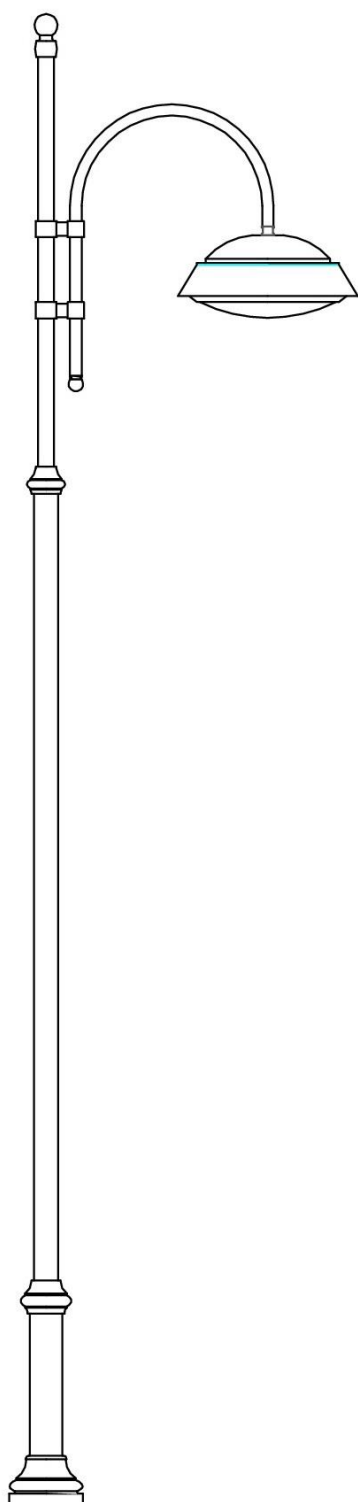


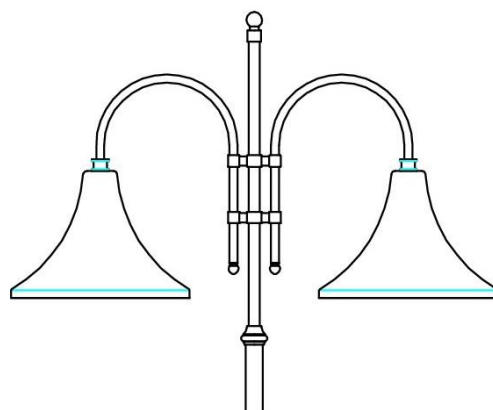
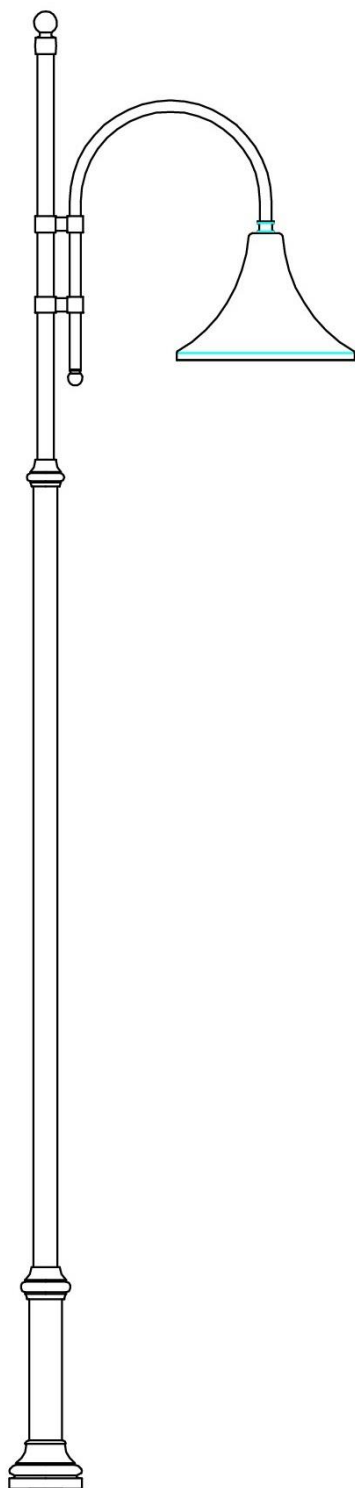


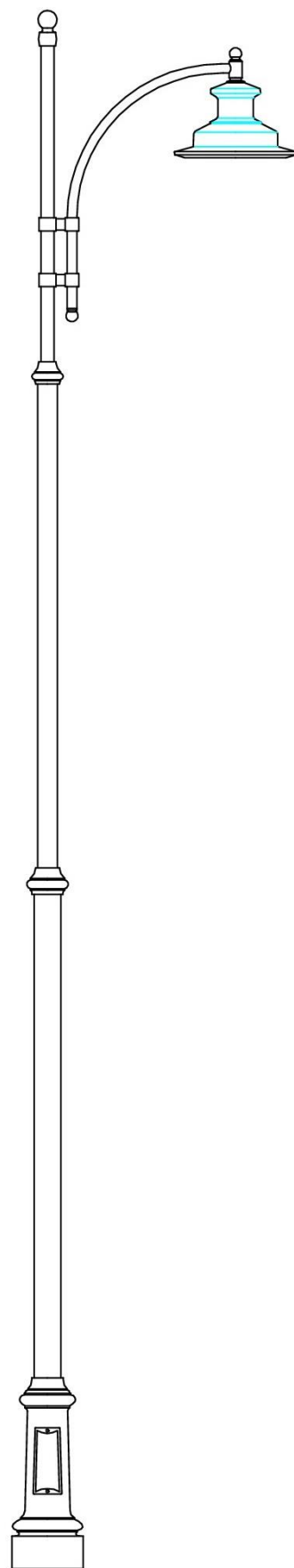
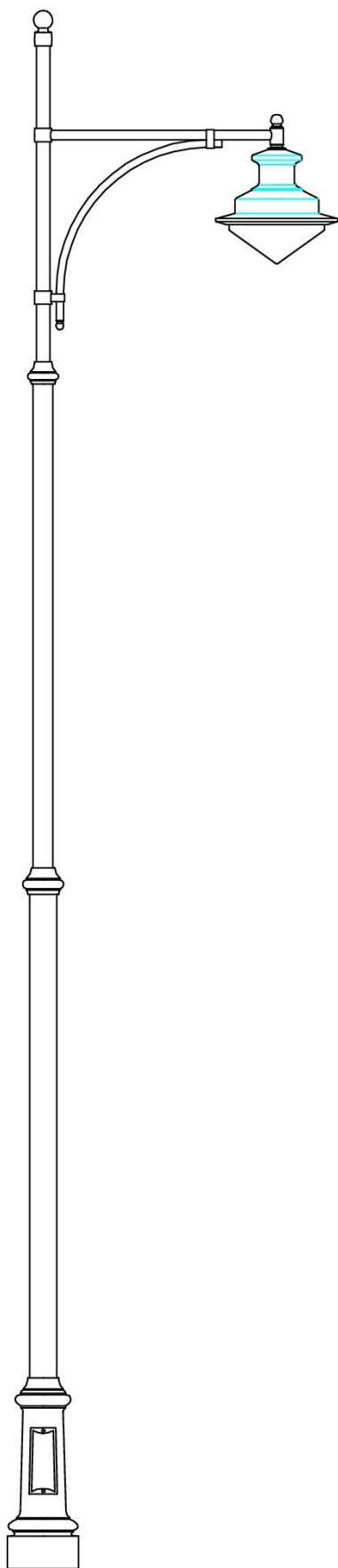




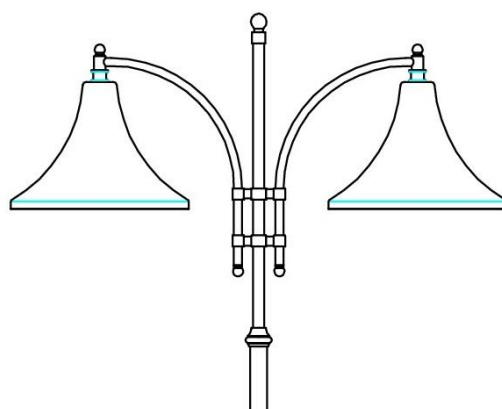
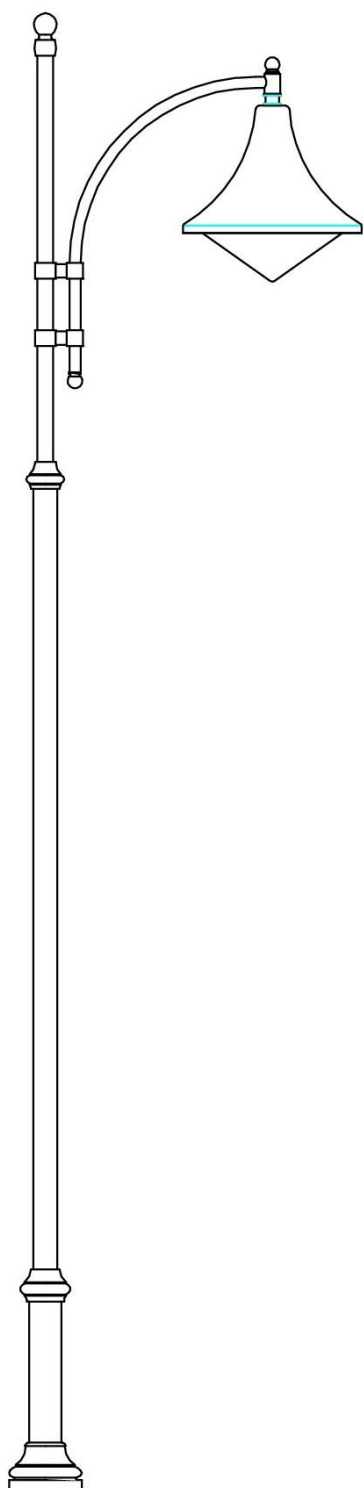


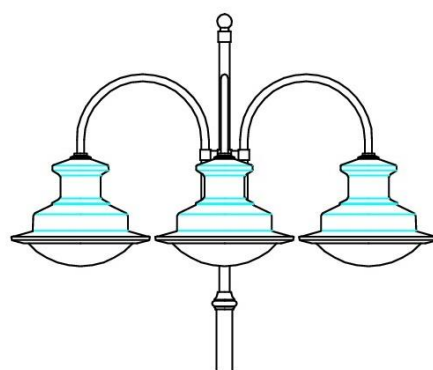
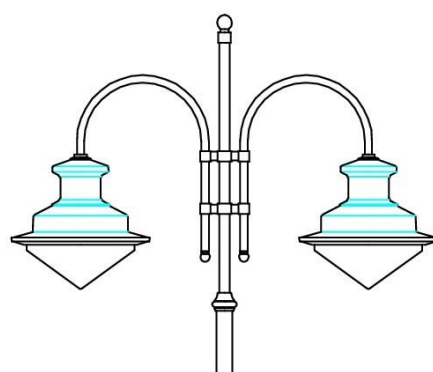
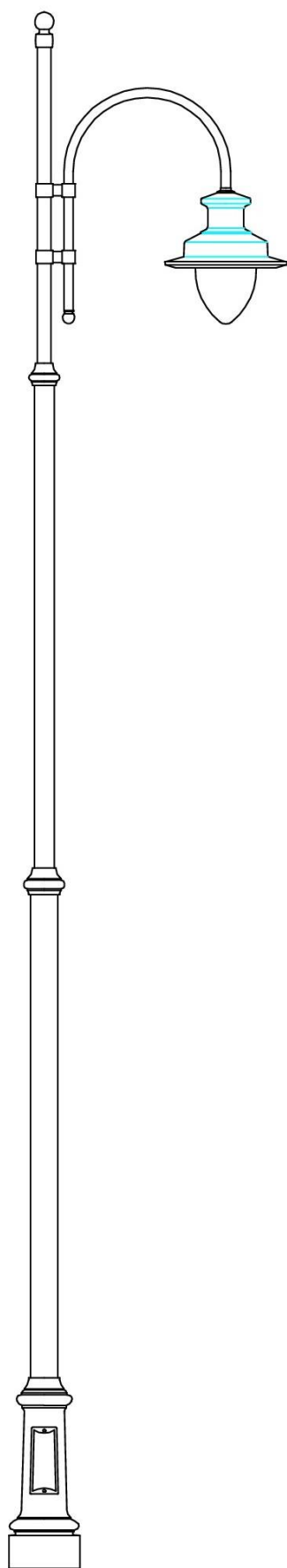


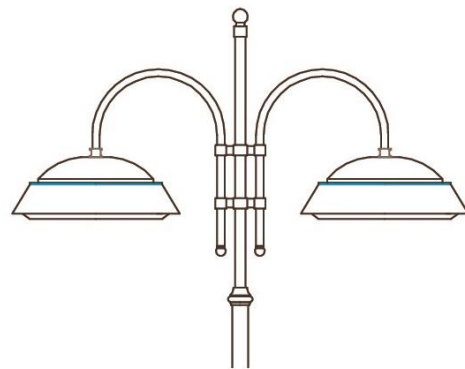
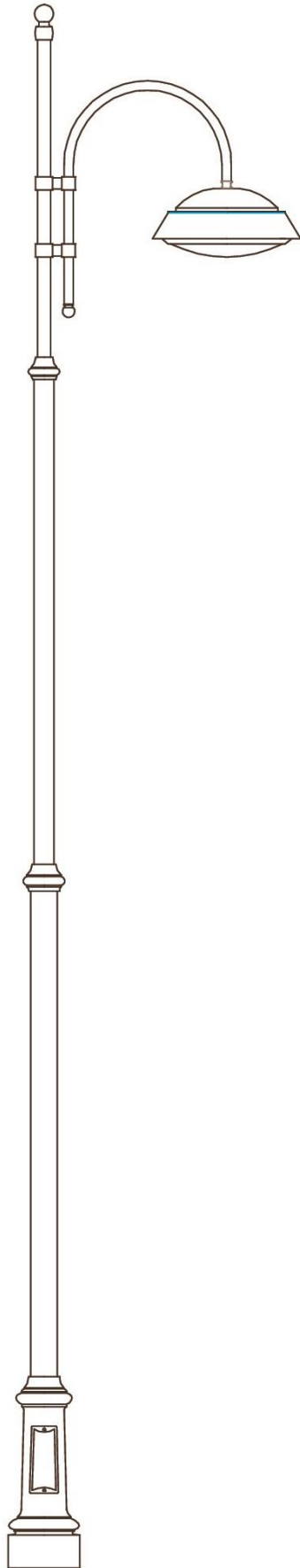


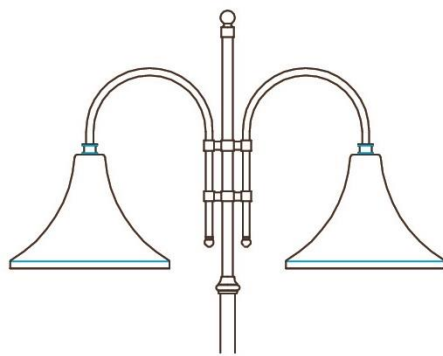
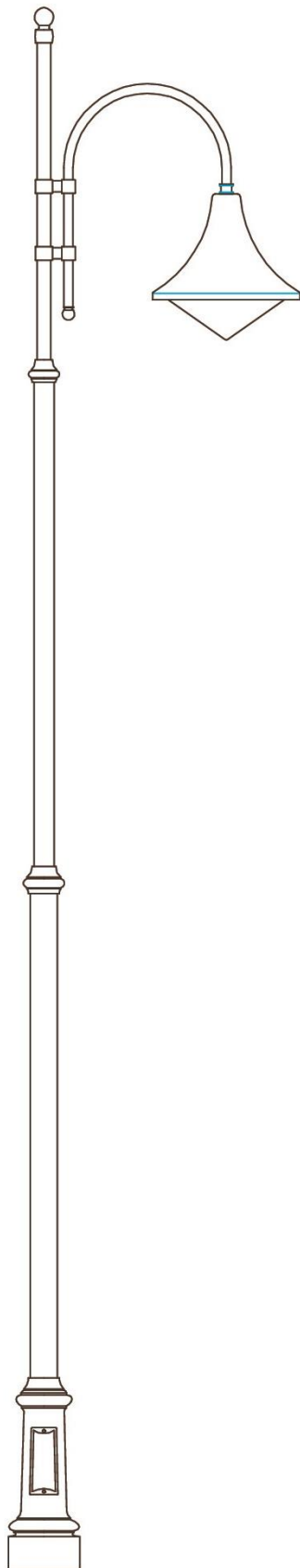


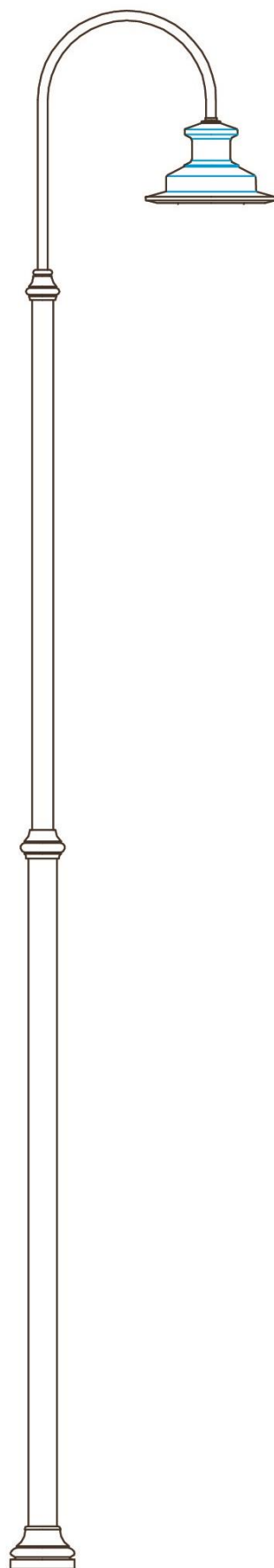
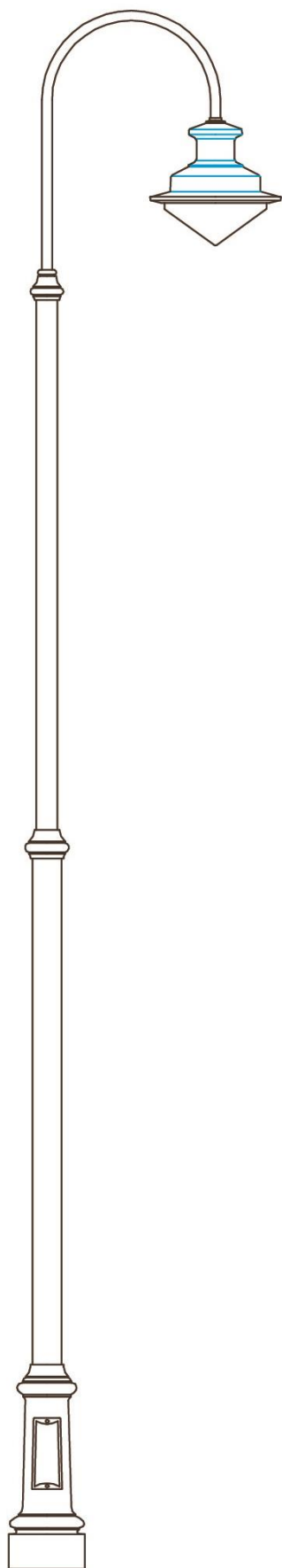


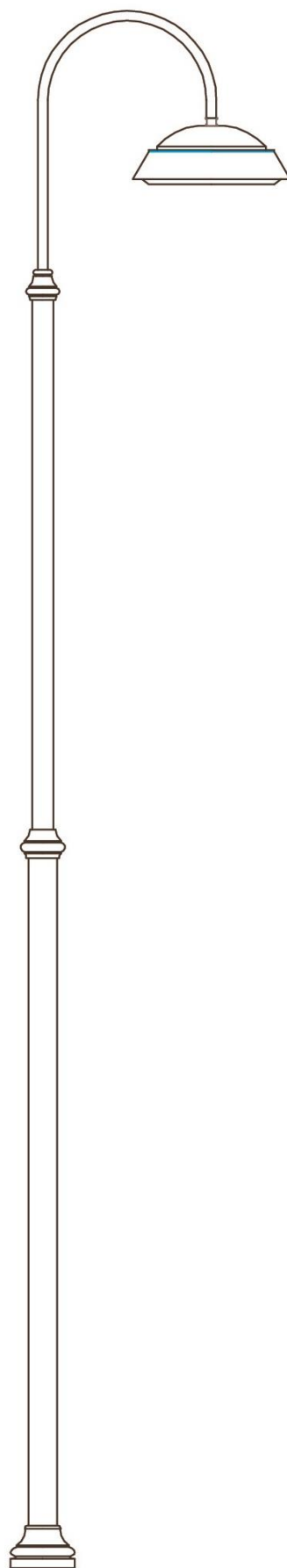
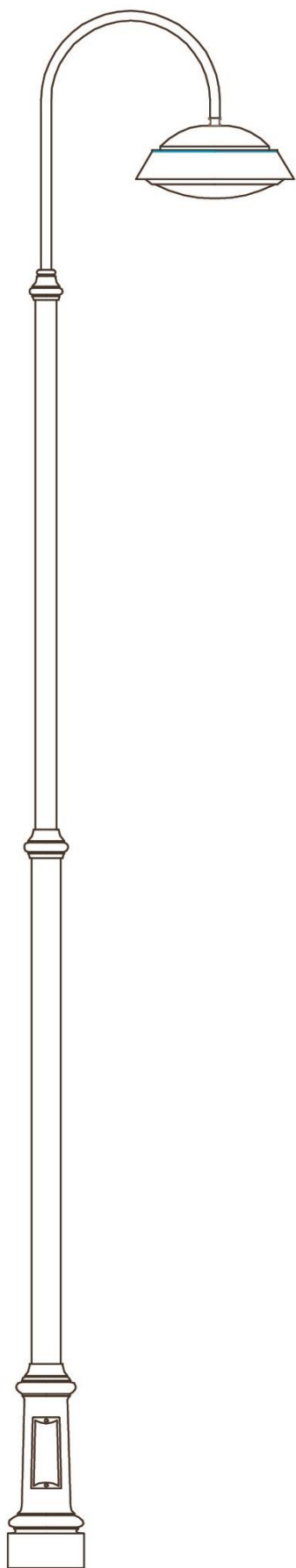


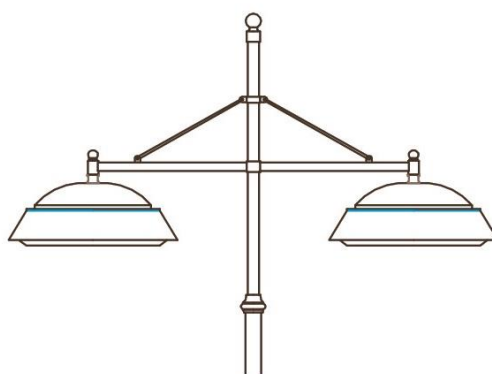
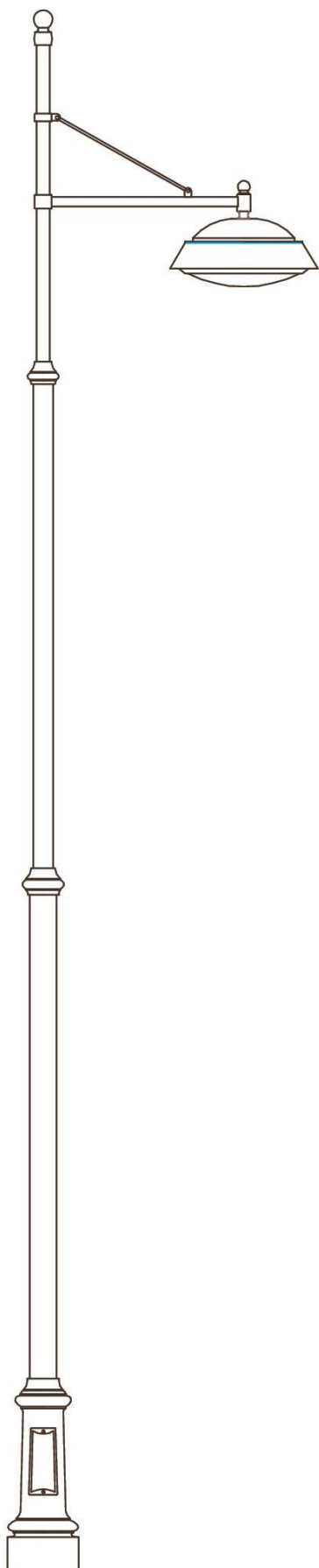




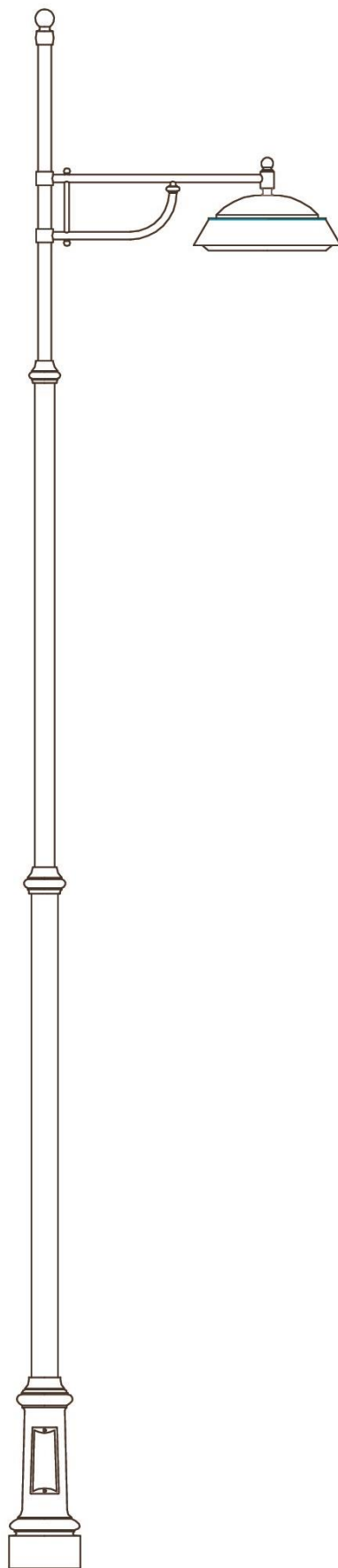
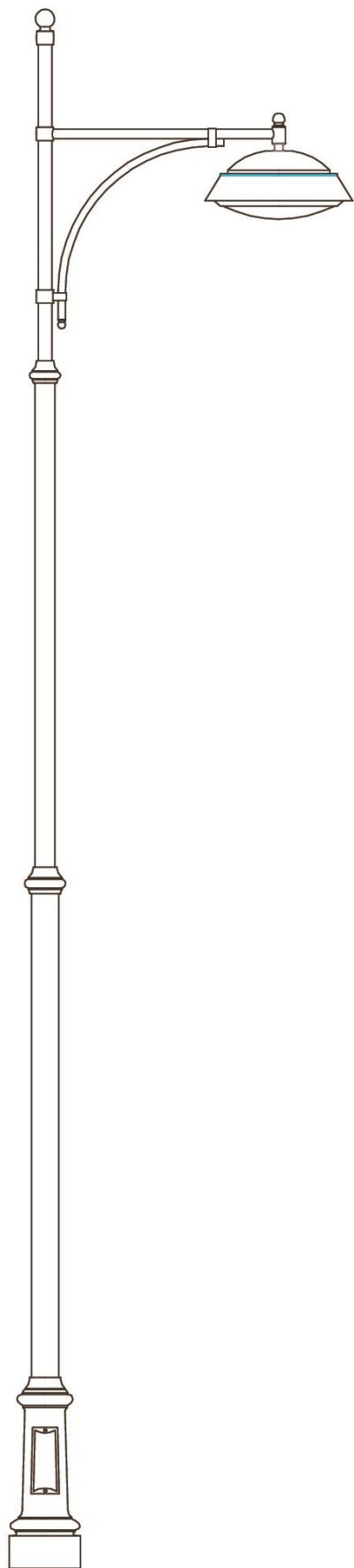


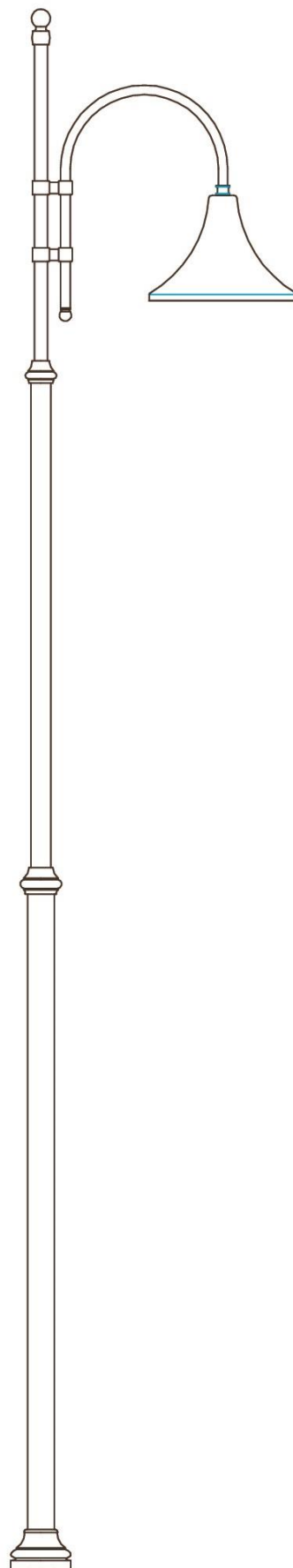
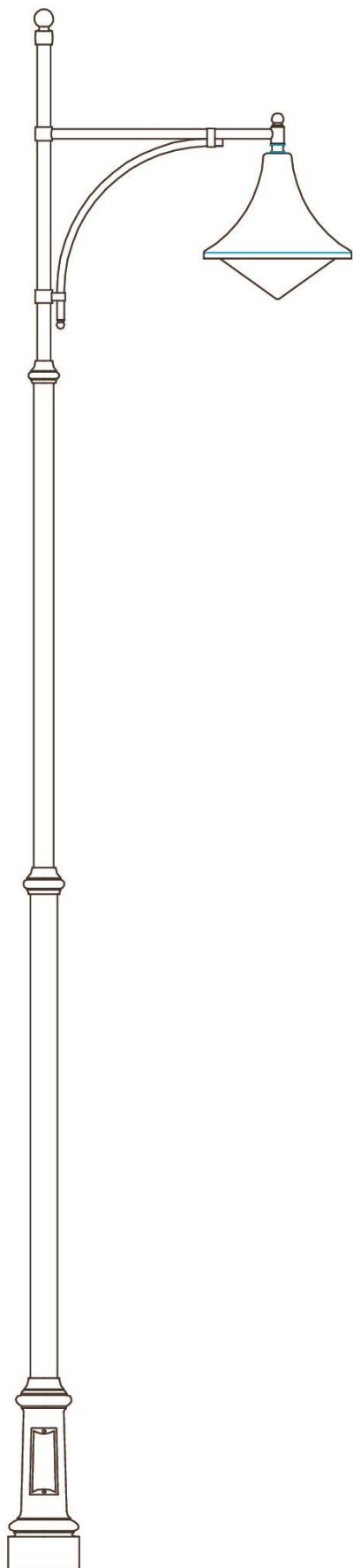


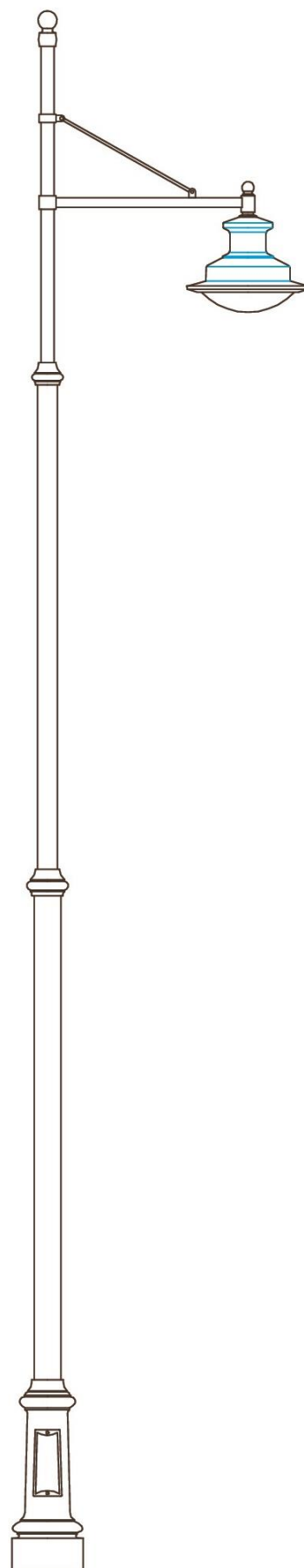
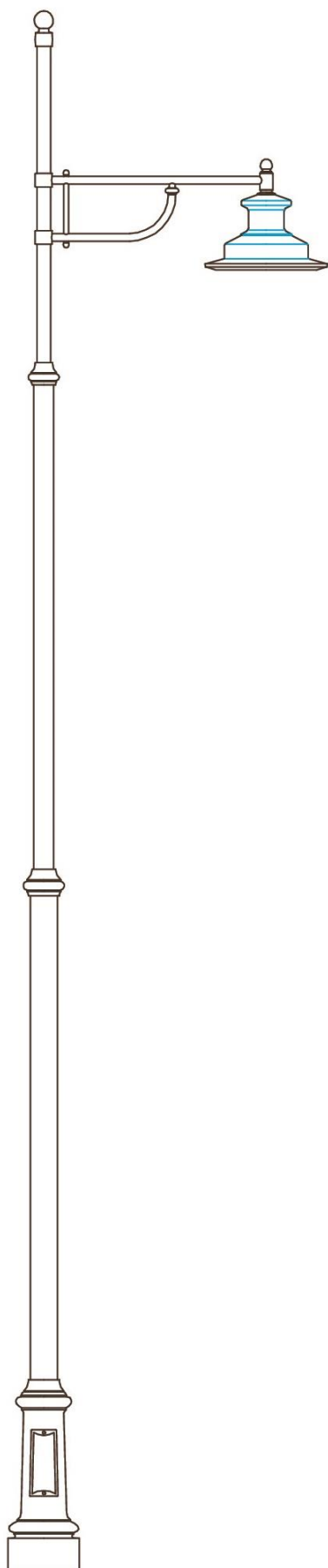


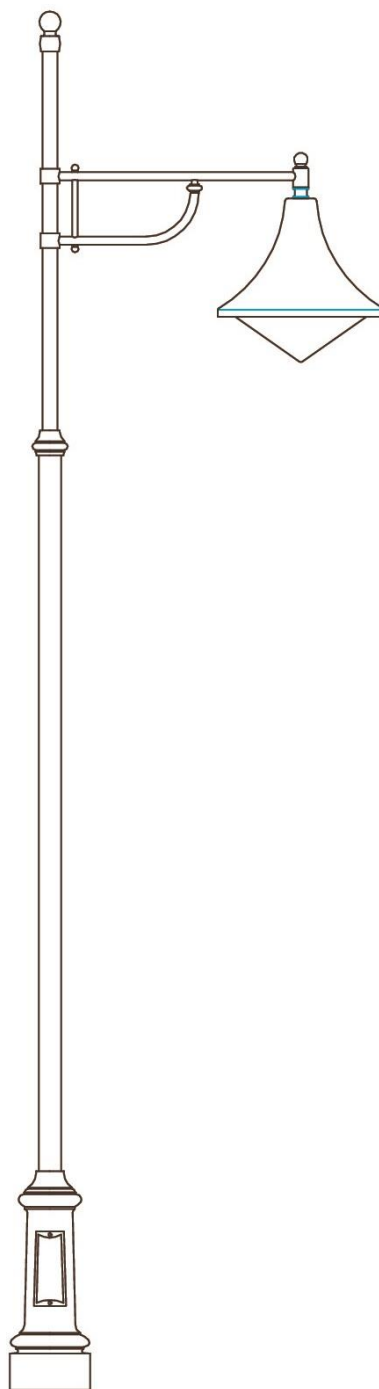
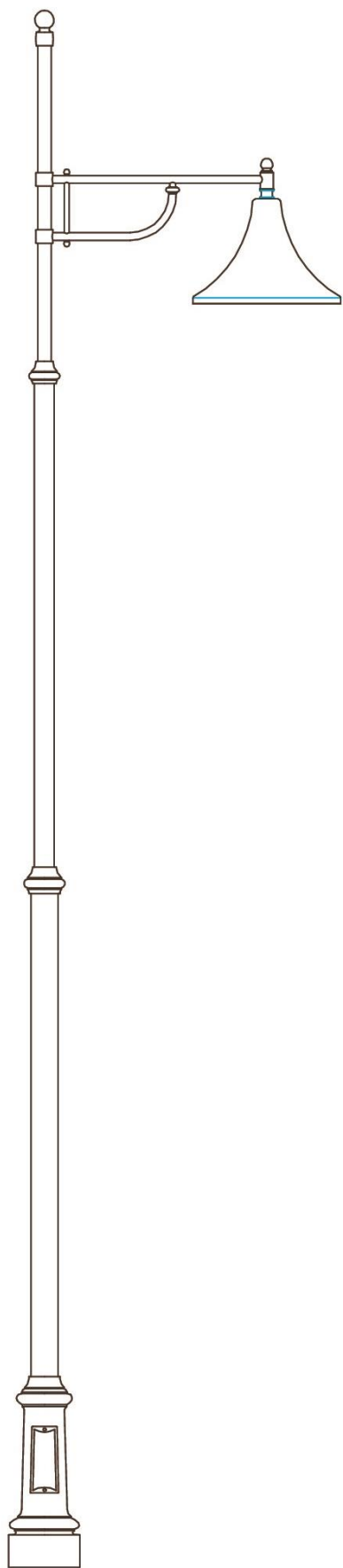






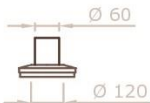
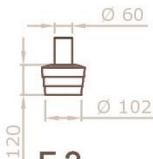
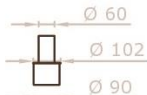
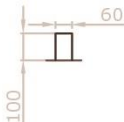
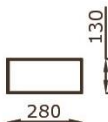
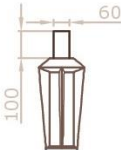
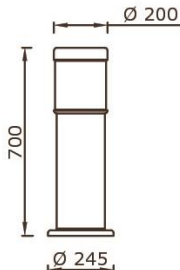






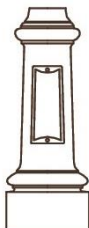
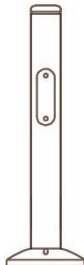
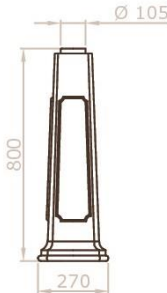
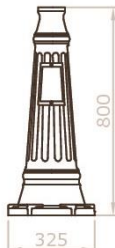
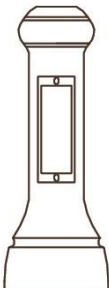
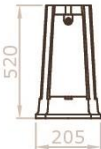
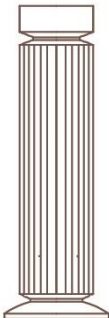
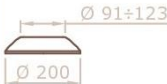
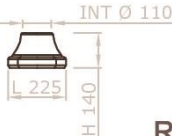
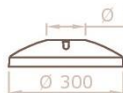
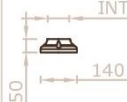
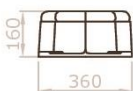
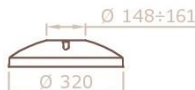




|                                                                                                      |                                                                                                       |                                                                                                       |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <br><b>CP01/30</b>  | <br><b>F 1</b>       | <br><b>F 2</b>     |
| <br><b>CP02/30</b>  | <br><b>F 3</b>       | <br><b>F 4</b>     |
| <br><b>OV/b02</b>   | <br><b>OV/b01</b>    | <br><b>F 5</b>       |
| <br><b>SP02</b>    | <br><b>SP01</b>     | <br><b>F 6</b>     |
| <br><b>F 8</b>    | <br><b>F 12</b>    | <br><b>F 10</b>  |
| <br><b>F 7</b>   |                                                                                                       |                                                                                                       |
| <br><b>Barile</b> | <br><b>F 0</b>     | <br><b>F 9</b>   |
| <br><b>F 11</b>   | <br><b>C/b02</b> | <br><b>C/b01</b> |

## DETTAGLI *The details*



|                                                                                                   |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                     |                                                                                                      |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <br><b>B 11</b>  | <br><b>B 7</b>   | <br><b>B 10</b>   |                                                                                                    | <br><b>B 12</b>   | <br><b>B 13</b>  | <br><b>B 14</b>   |
| <br><b>B 8</b>   | <br><b>B 9</b>   | <br><b>B 3</b>   |                                                                                                    | <br><b>B 4</b>   | <br><b>B 15</b>  | <br><b>B 16</b>   |
| <br><b>B 1</b> | <br><b>B 2</b> | <br><b>R 1</b>  |                                                                                                    | <br><b>R 7</b>  | <br><b>R 2</b> | <br><b>Ac 6</b> |
| <br><b>B 5</b> | <br><b>B 6</b> | <br><b>Ac 1</b> | <br><b>Ac 2</b> |                                                                                                    | <br><b>R 3</b> | <br><b>Ac 7</b> |
|                                                                                                   |                                                                                                   | <br><b>Ac 3</b> | <br><b>Ac 4</b> | <br><b>Ac 5</b> | <br><b>R 4</b> | <br><b>Ac 8</b> |
|                                                                                                   |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    | <br><b>R 5</b> | <br><b>Ac 9</b> |
|                                                                                                   |                                                                                                   |                                                                                                    |                                                                                                    |                                                                                                    | <br><b>R 6</b> |                                                                                                      |