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ŚWIATŁO



LATARNIE typu W

LATARNIE WSPÓLCZESNE
MODERN STREETLIGHTS

WR
WL
DR
WDR
WS
W



latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

6

4 m →

0 m →



WS3

WS4

WS5

latarnie typu W

MODERN STREETLIGHTS, TYPE "W"



7

← 4 m



← 0 m

WS6

WS1

WS2



latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

8

4 m →



0 m →

W58

W59

W510

latarnie typu W

MODERN STREETLIGHTS, TYPE 'W'



9



← 4,5 m

← 0 m

WS11

WS11/2



latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

10

4 m →

0 m →



WR4

WR5

WR10

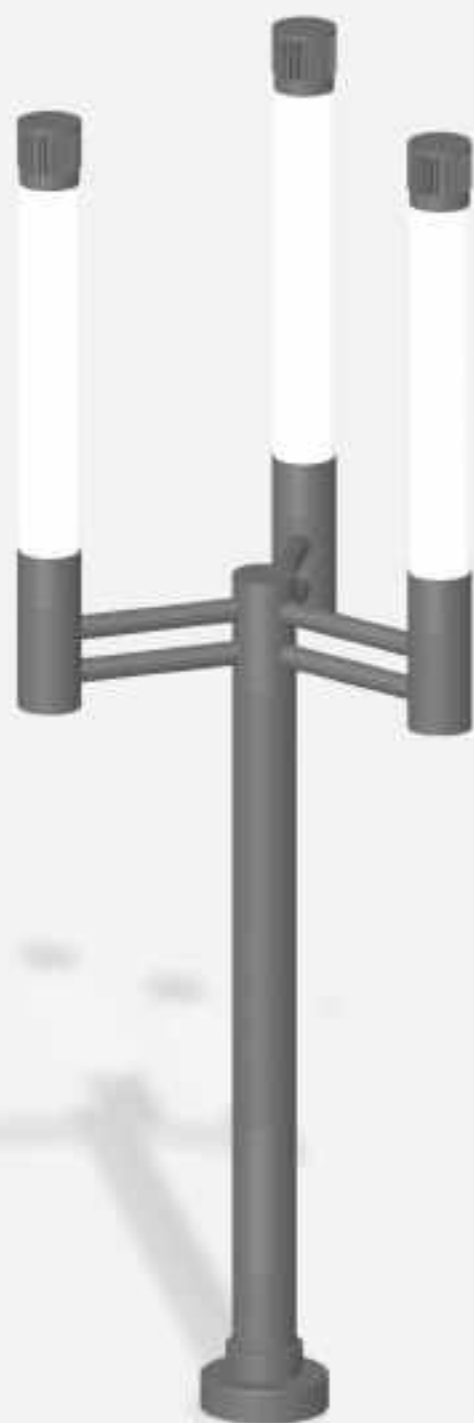
WR3

latarnie typu W

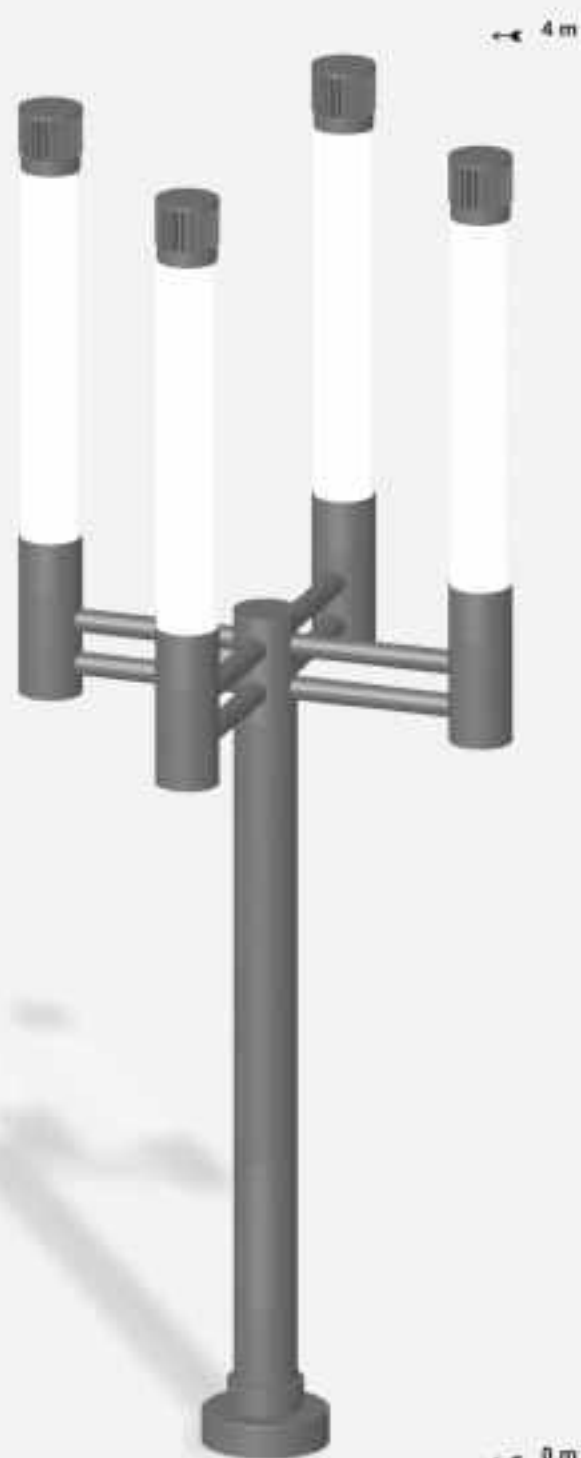
MODERN STREETLIGHTS, TYPE "W"



11



WR4/3



WR4/4



latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

12

5 m →



WS7/2/10B

WL3

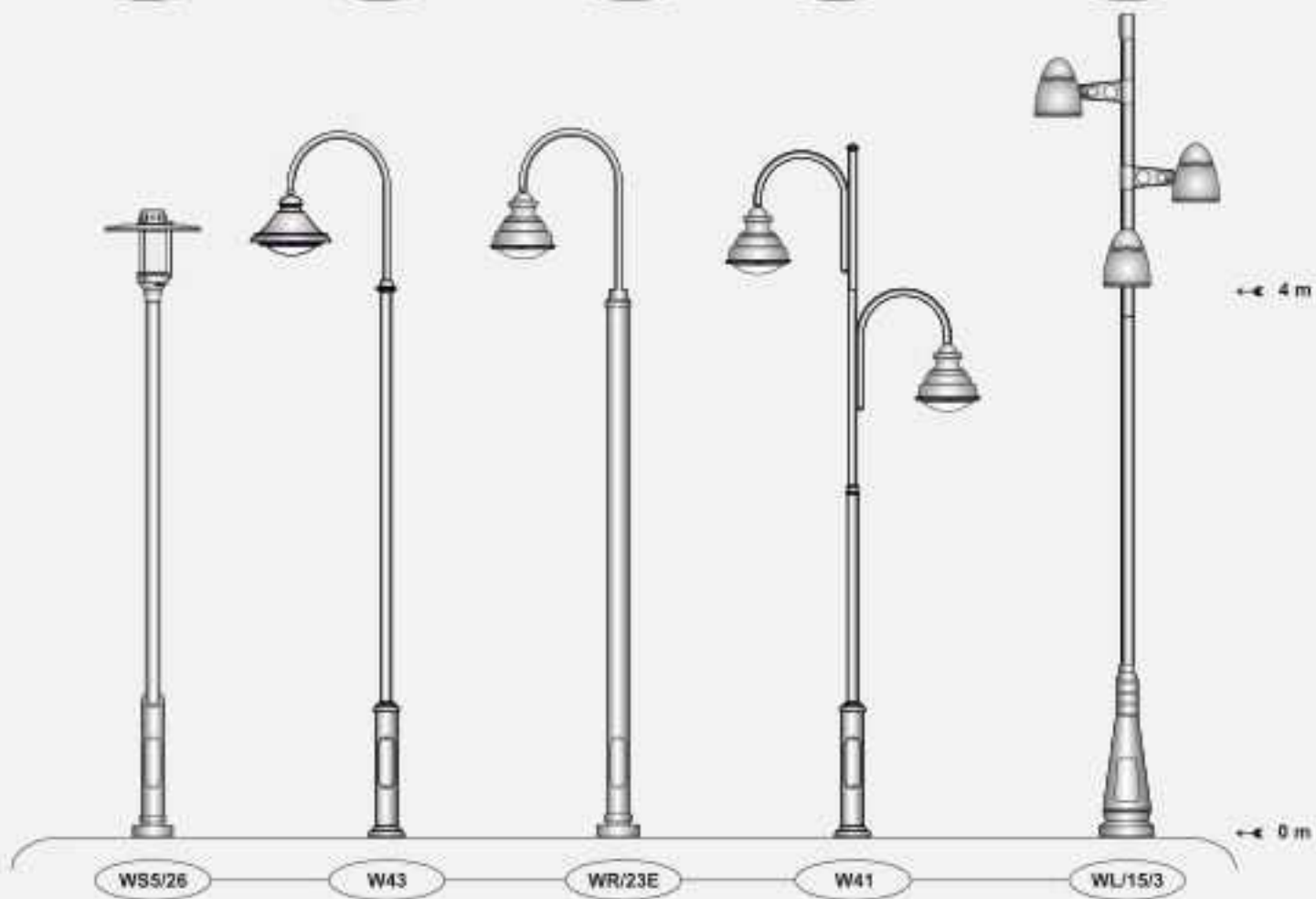
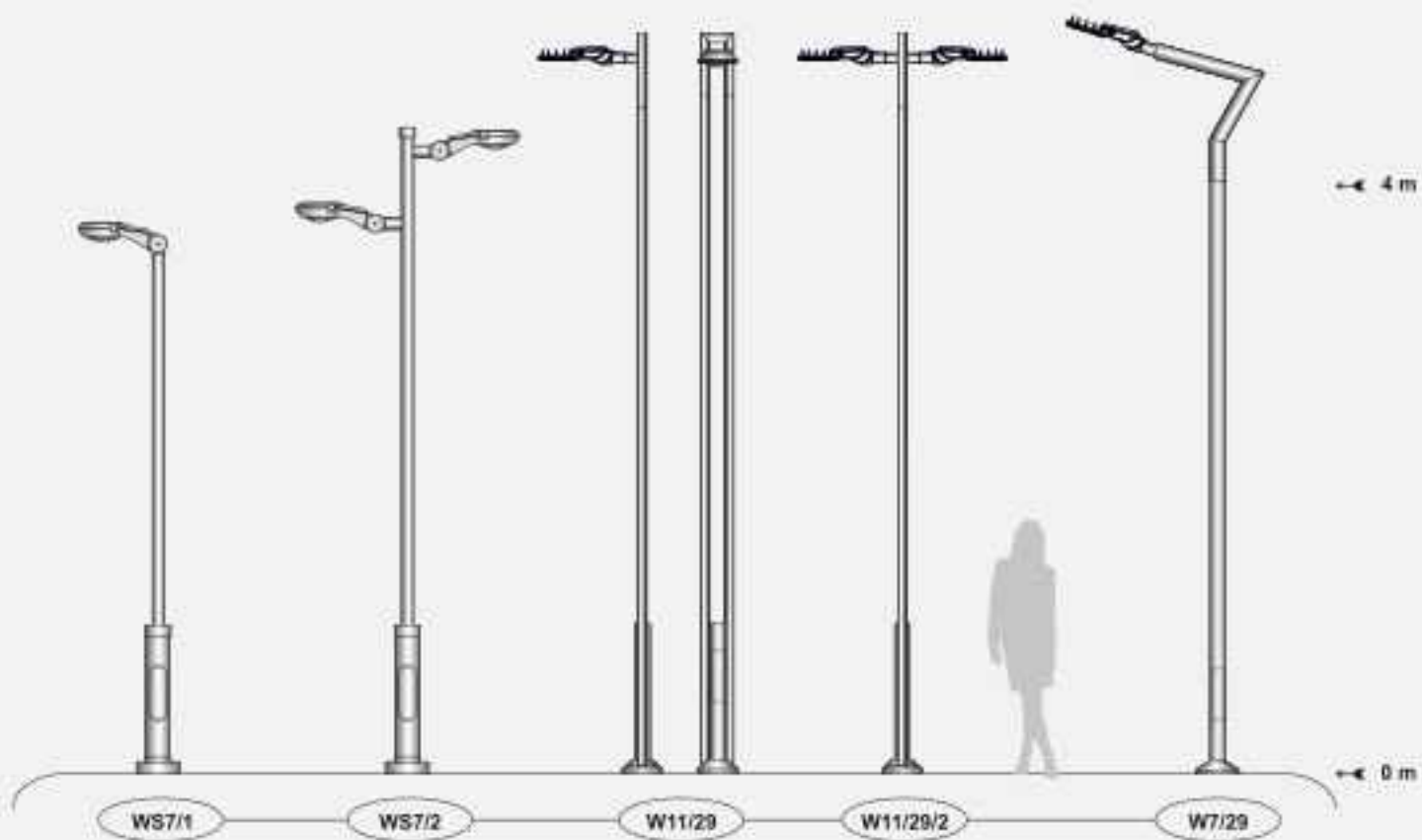
WS7/10B

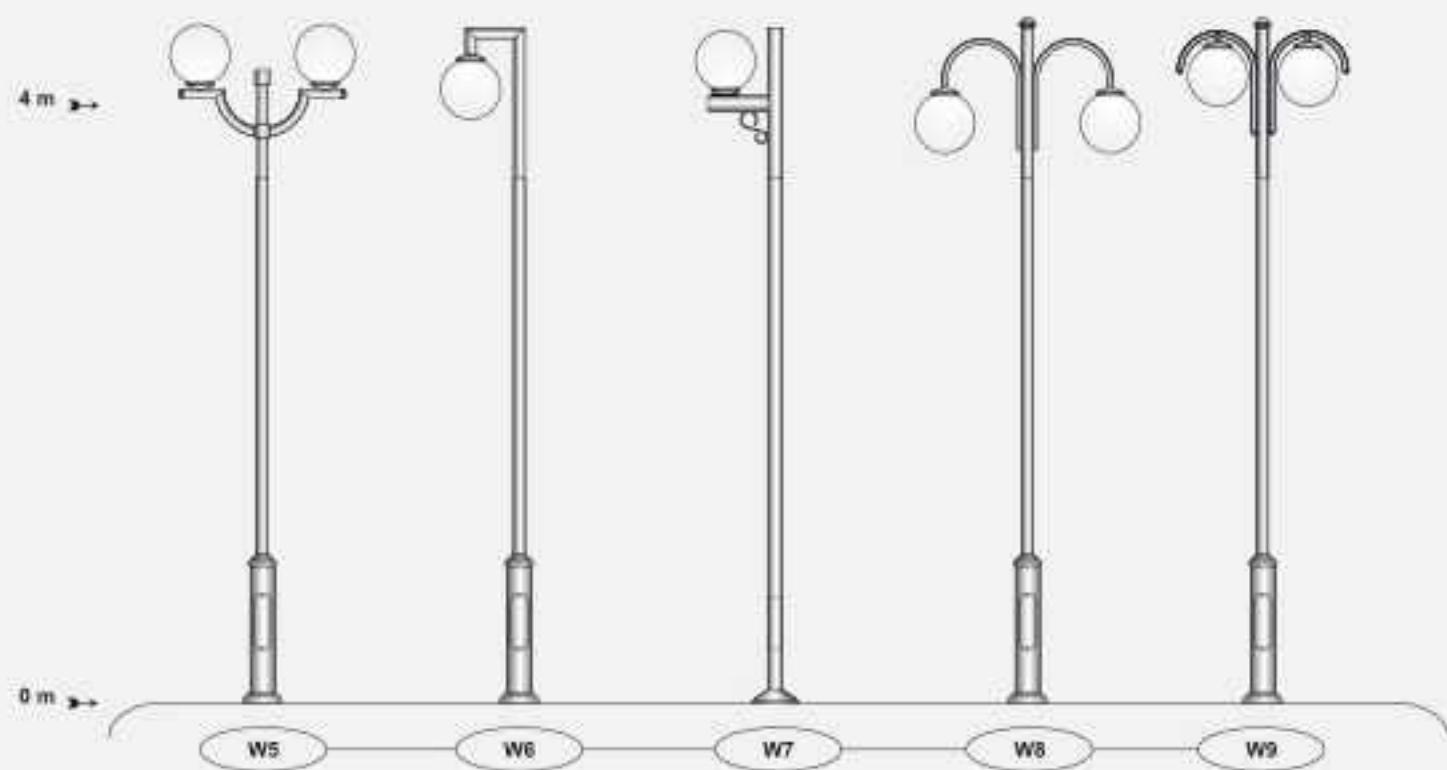
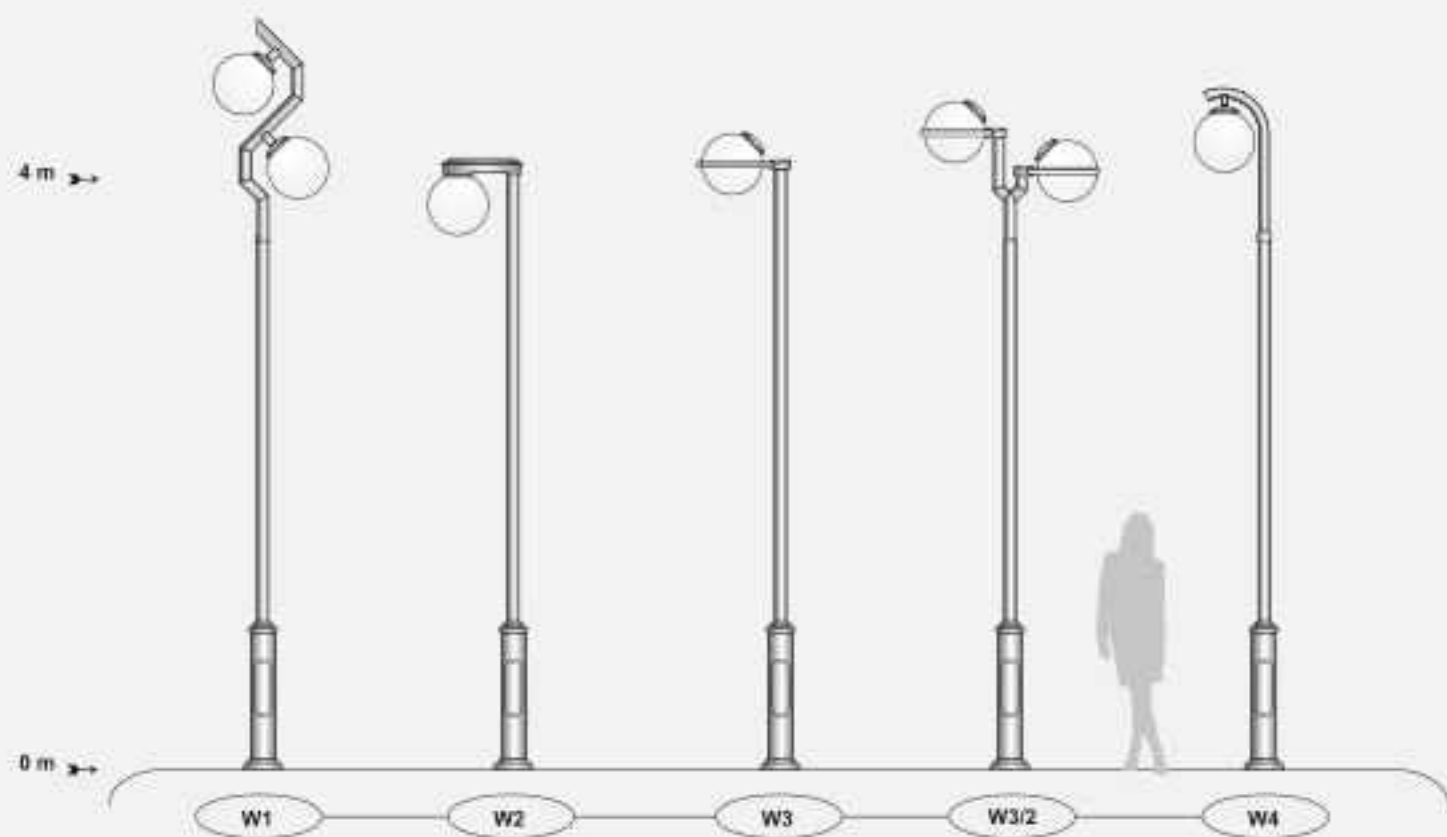
latarnie typu W

MODERN STREETLIGHTS, TYPE "W"



13



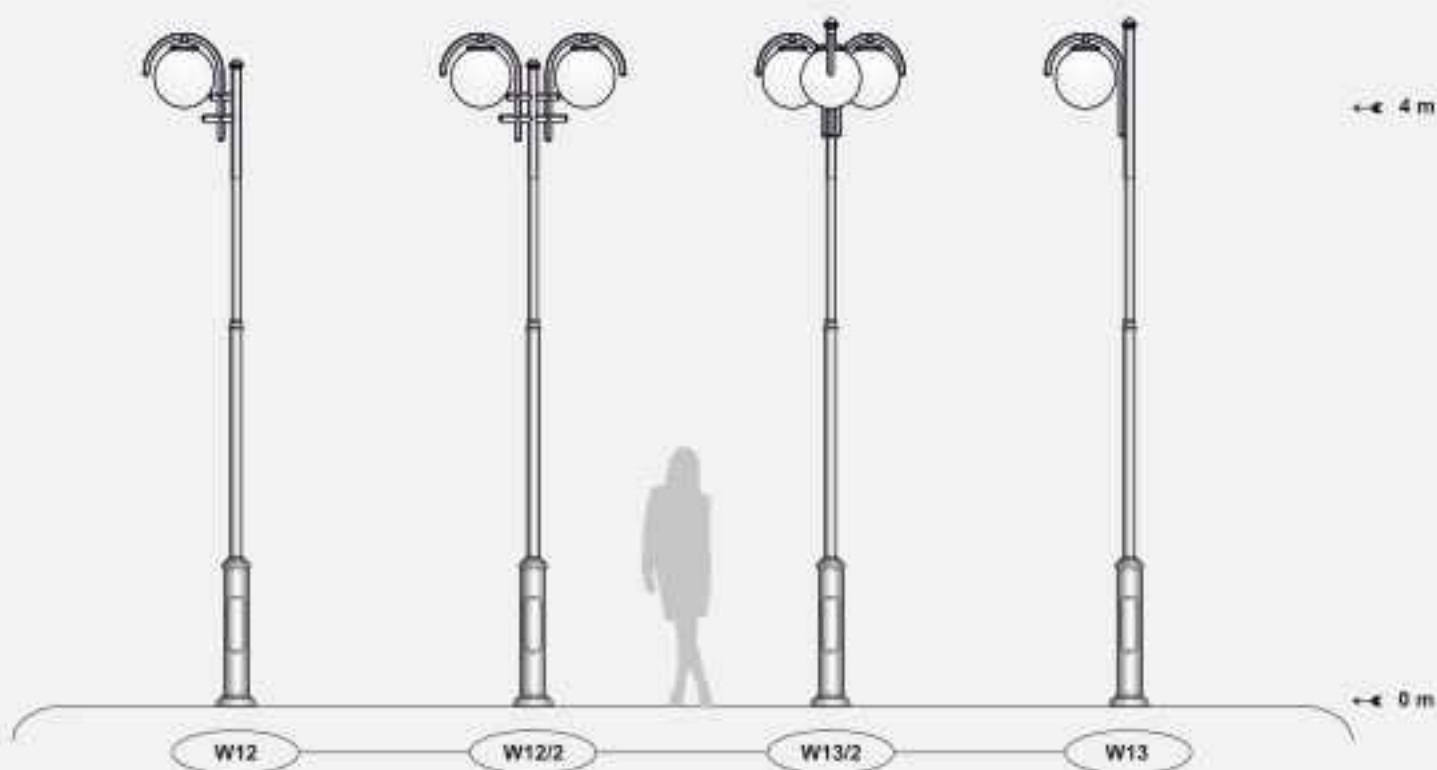
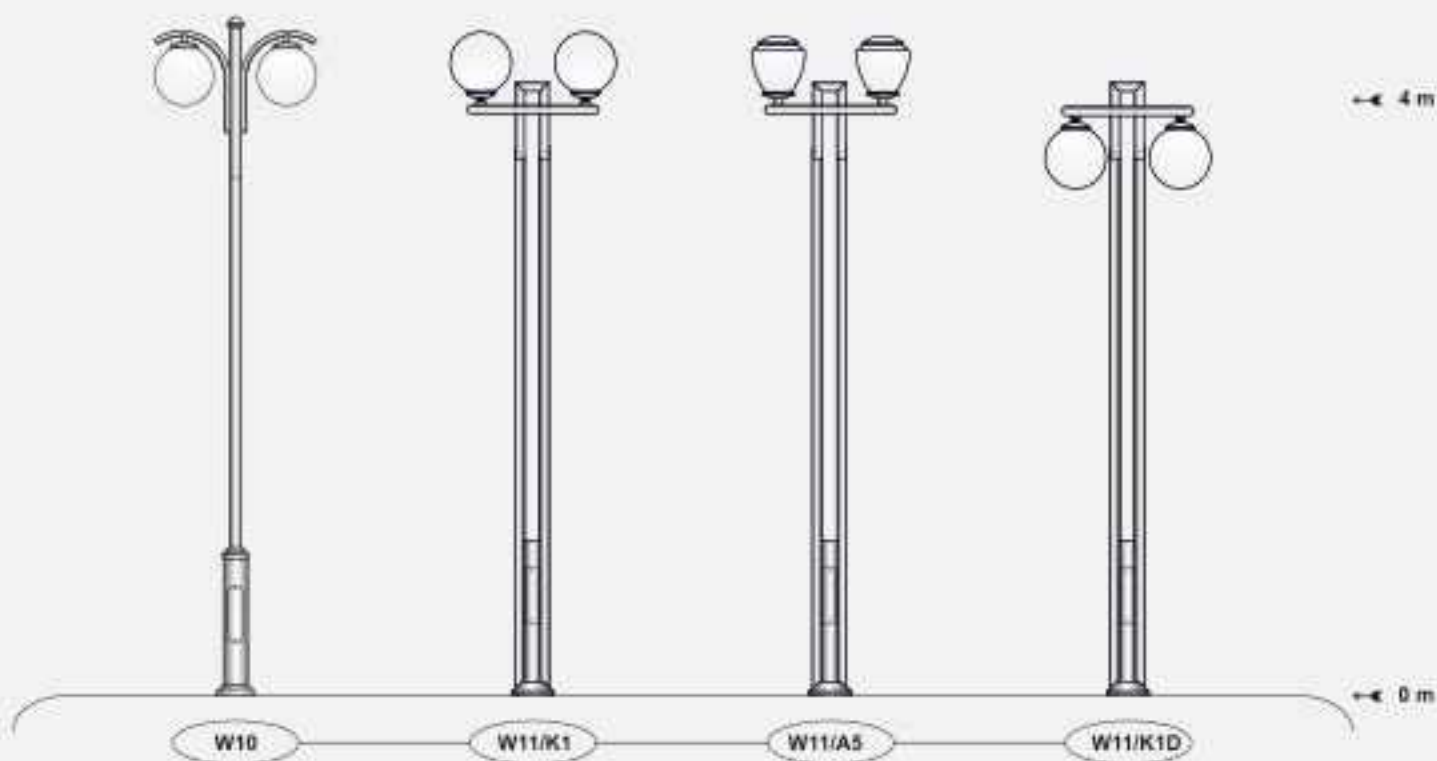


latarnie typu W

MODERN STREETLIGHTS, TYPE "W"



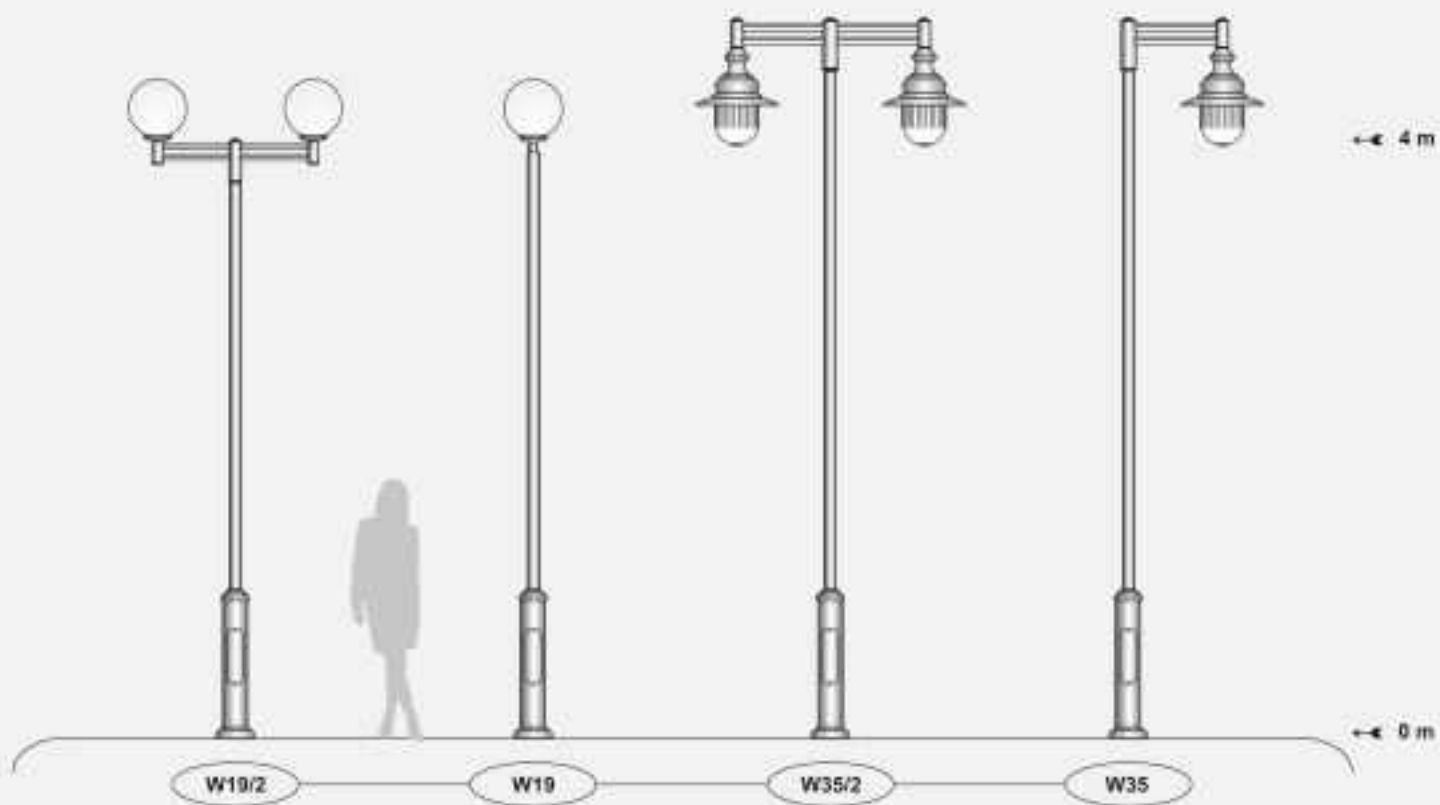
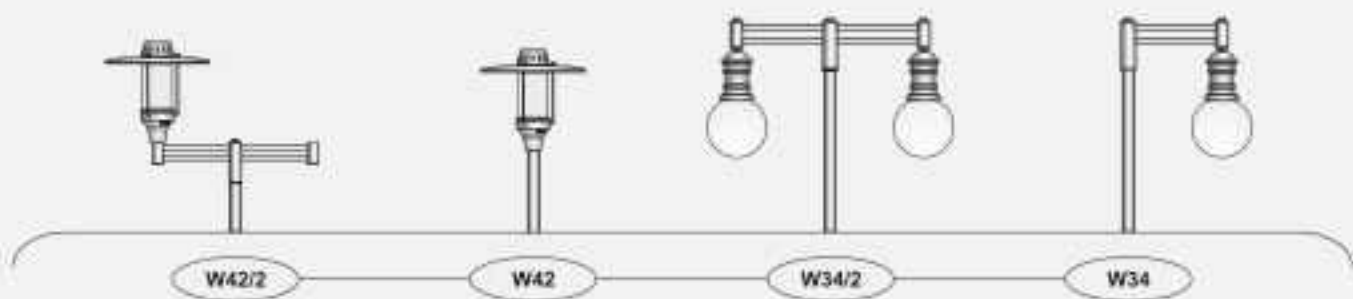
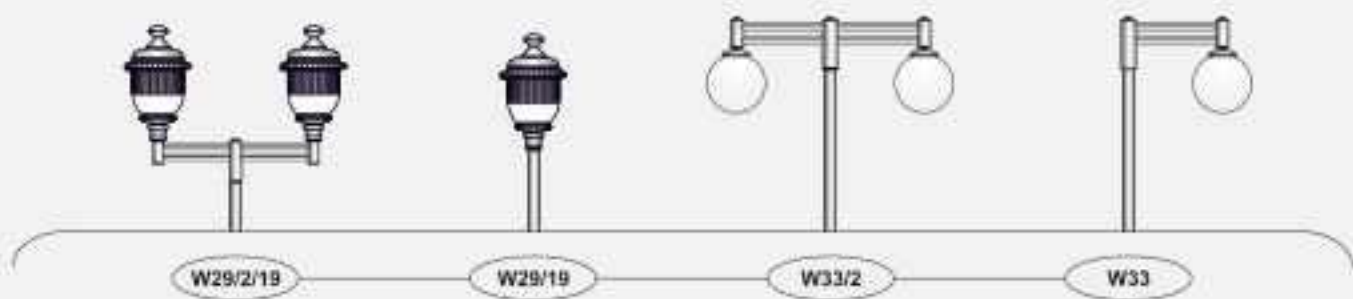
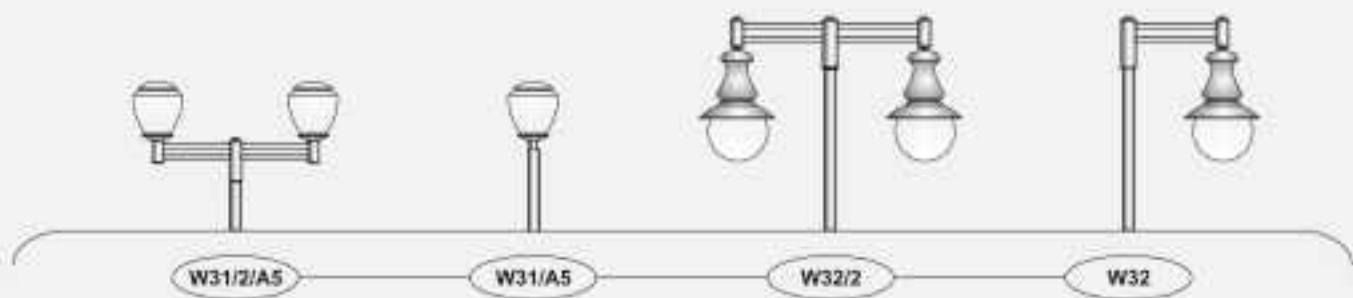
15





latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

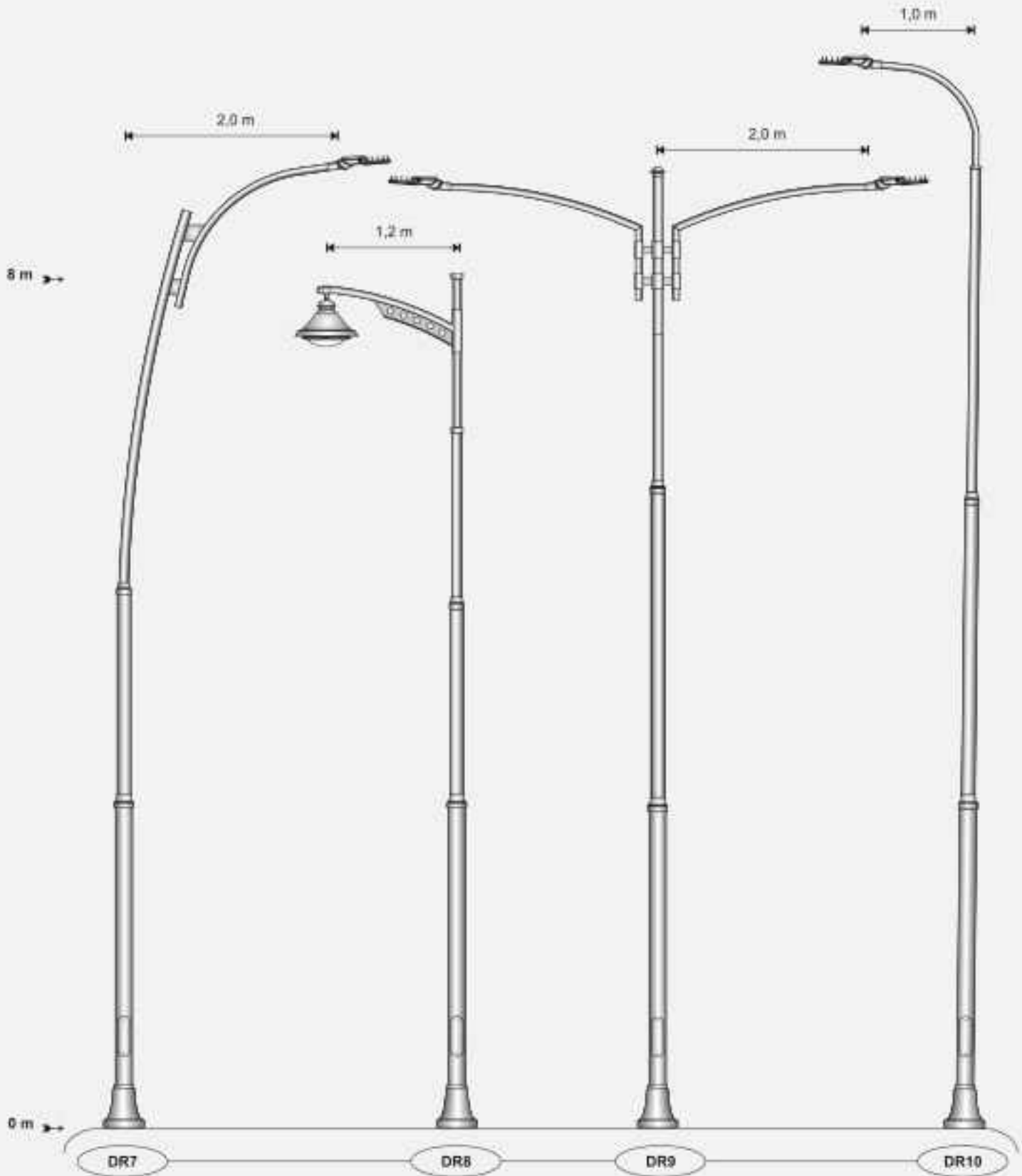




latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

18

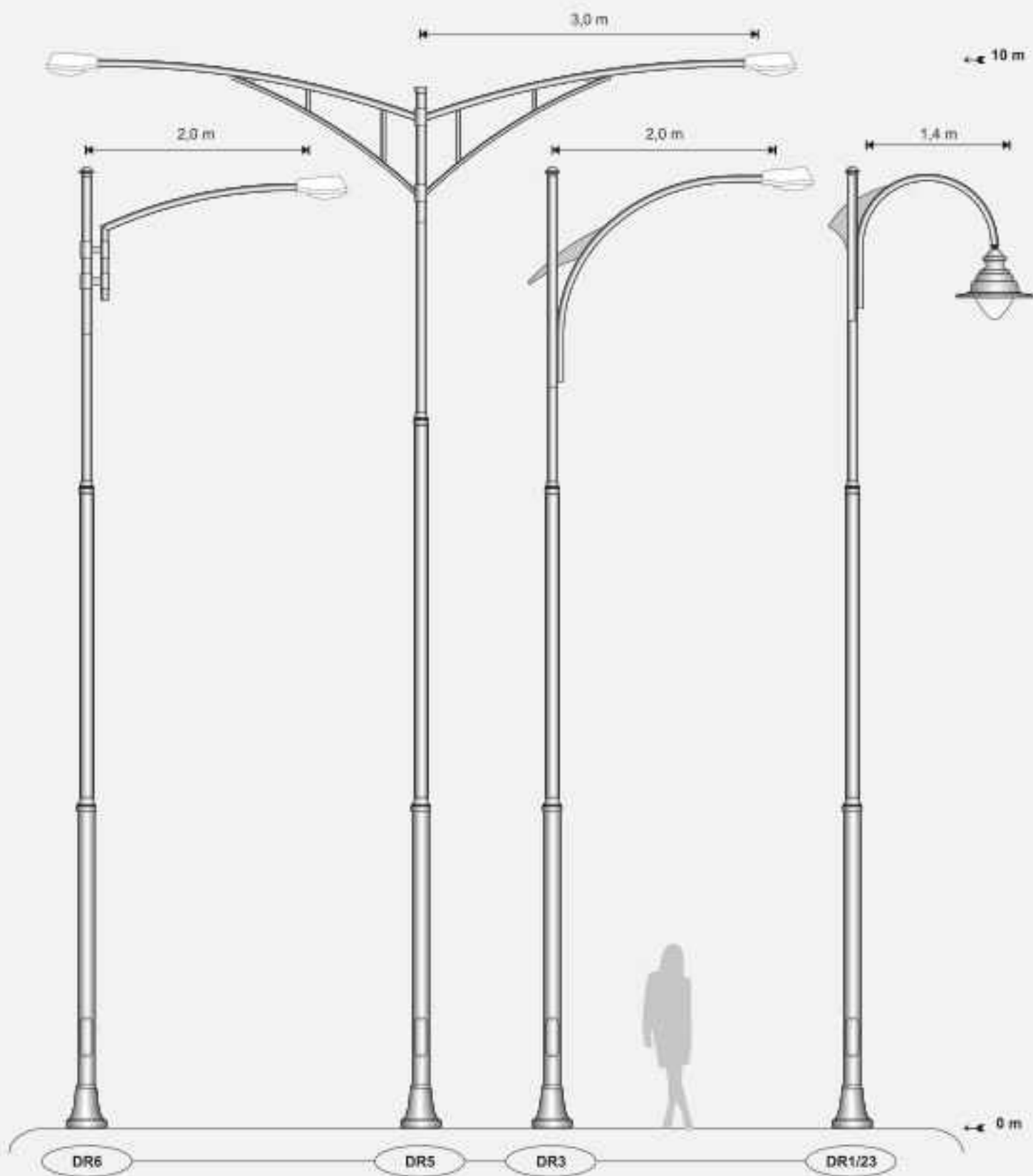


latarnie typu W

MODERN STREETLIGHTS, TYPE "W"



19

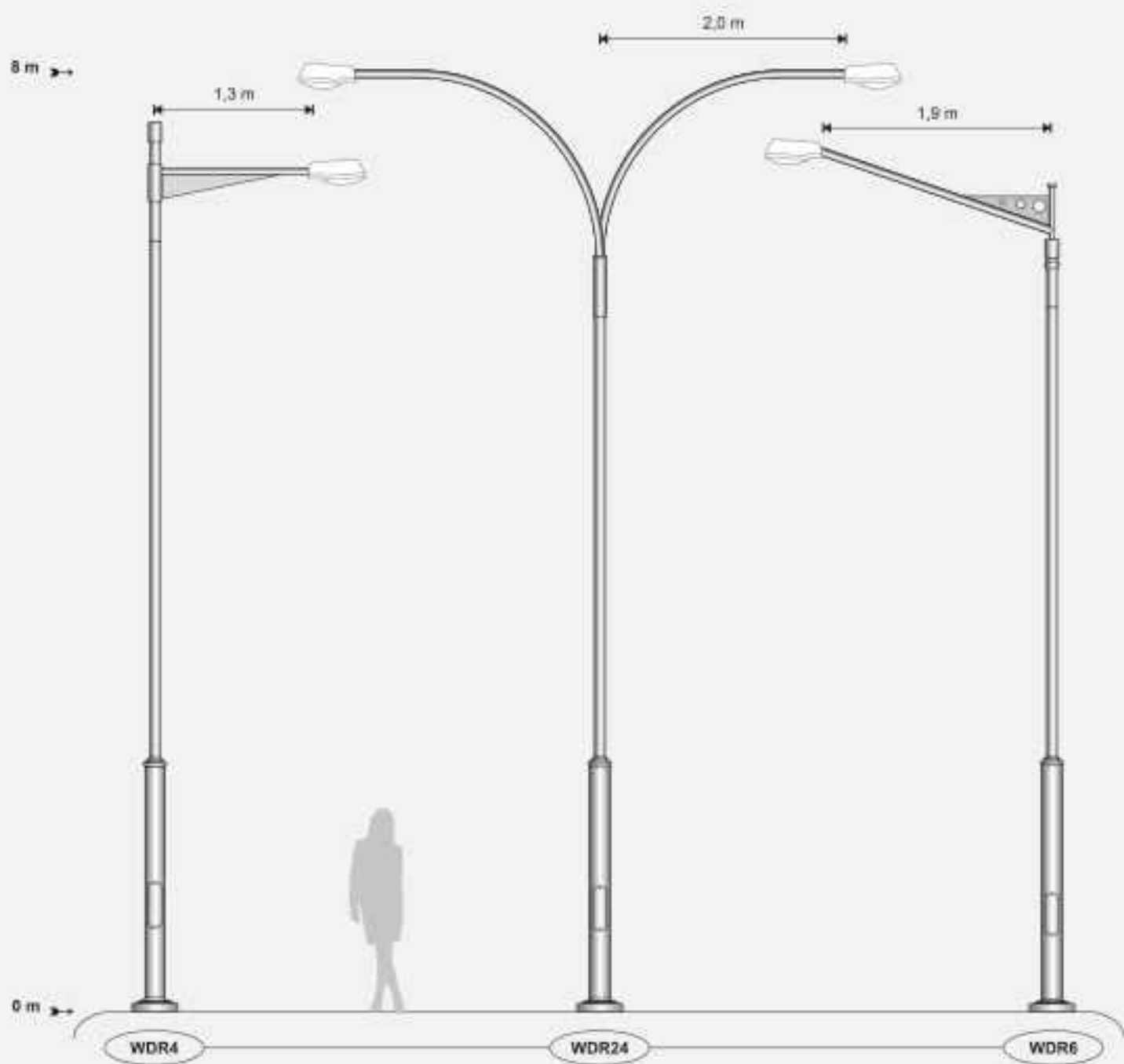
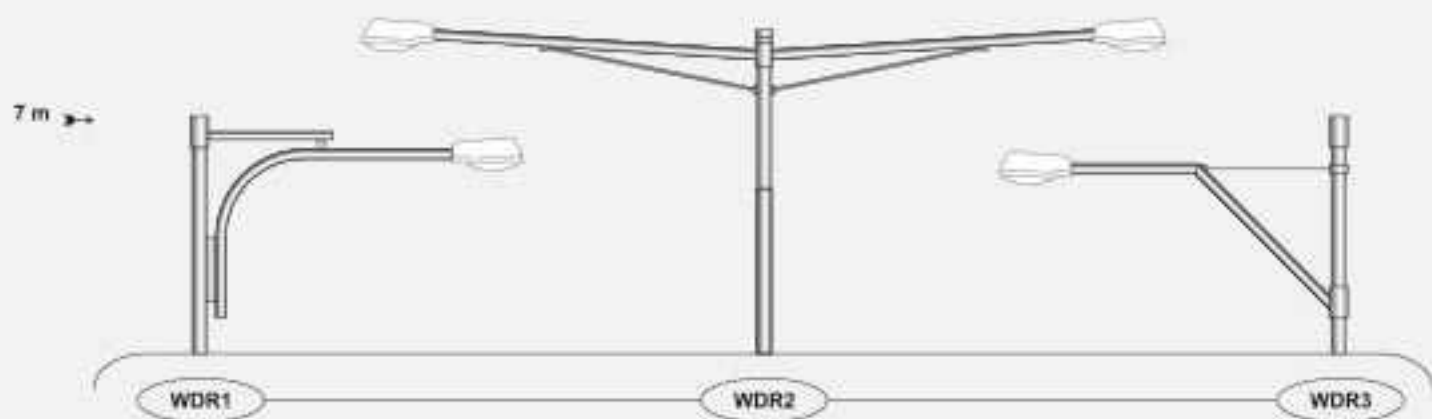




latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

20

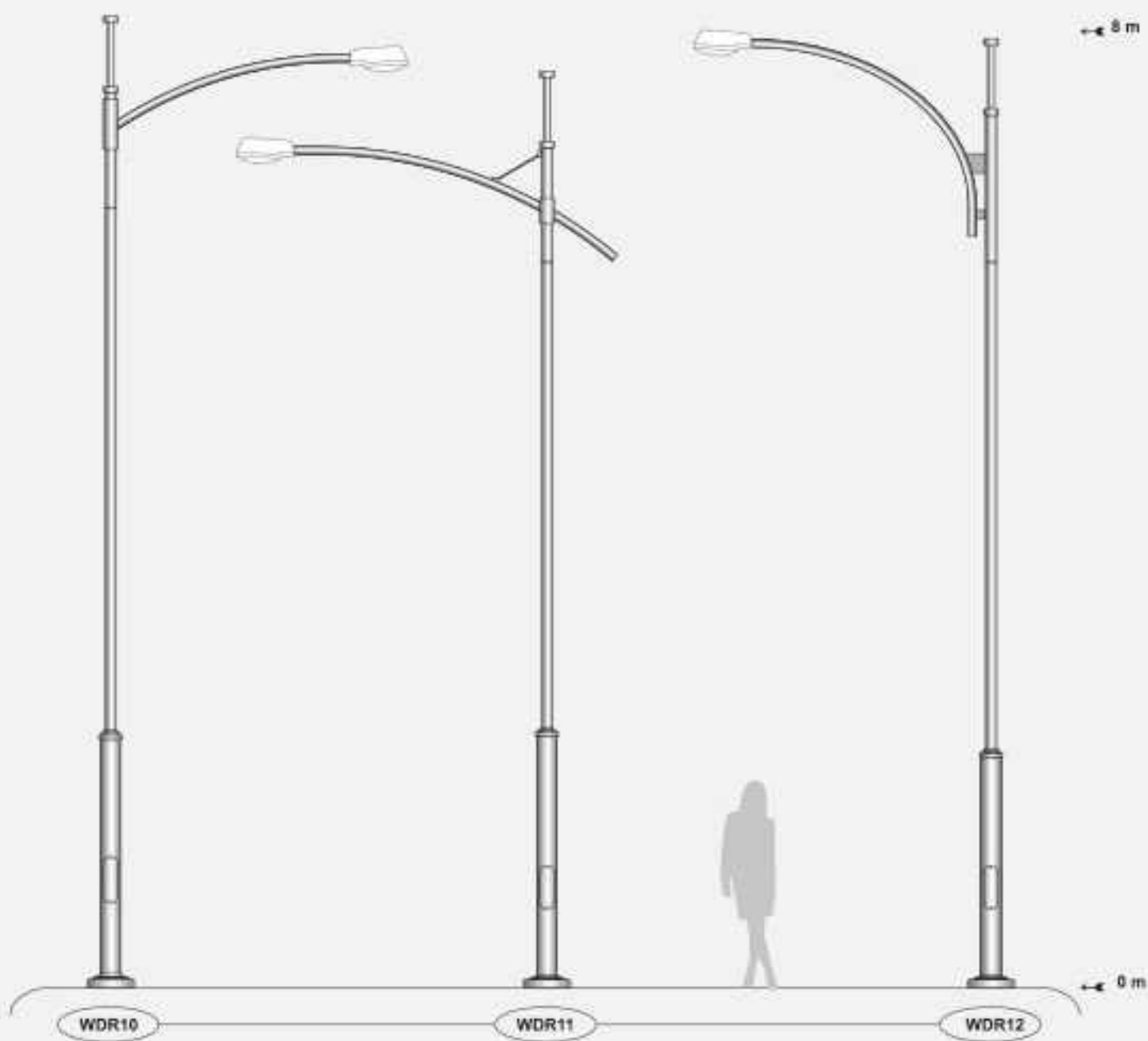
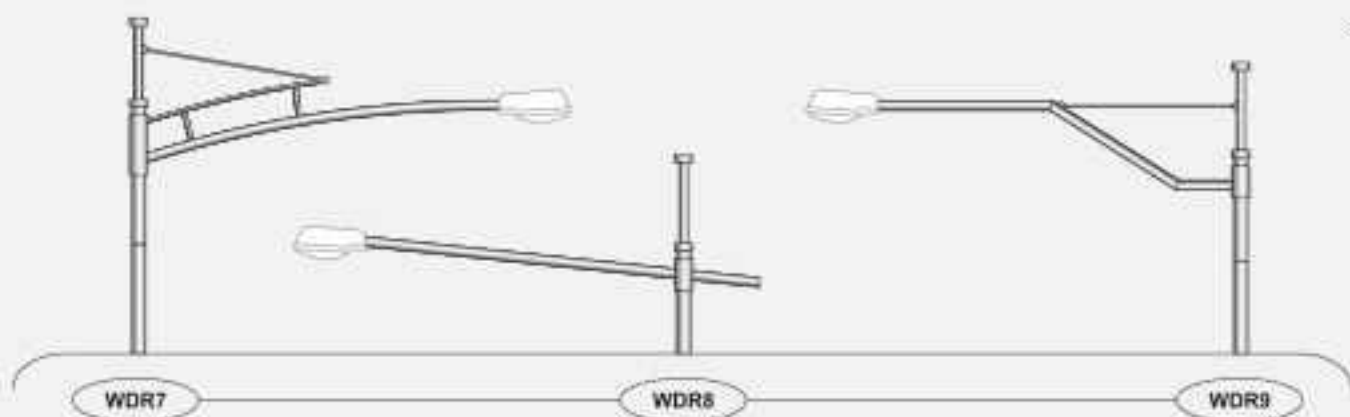


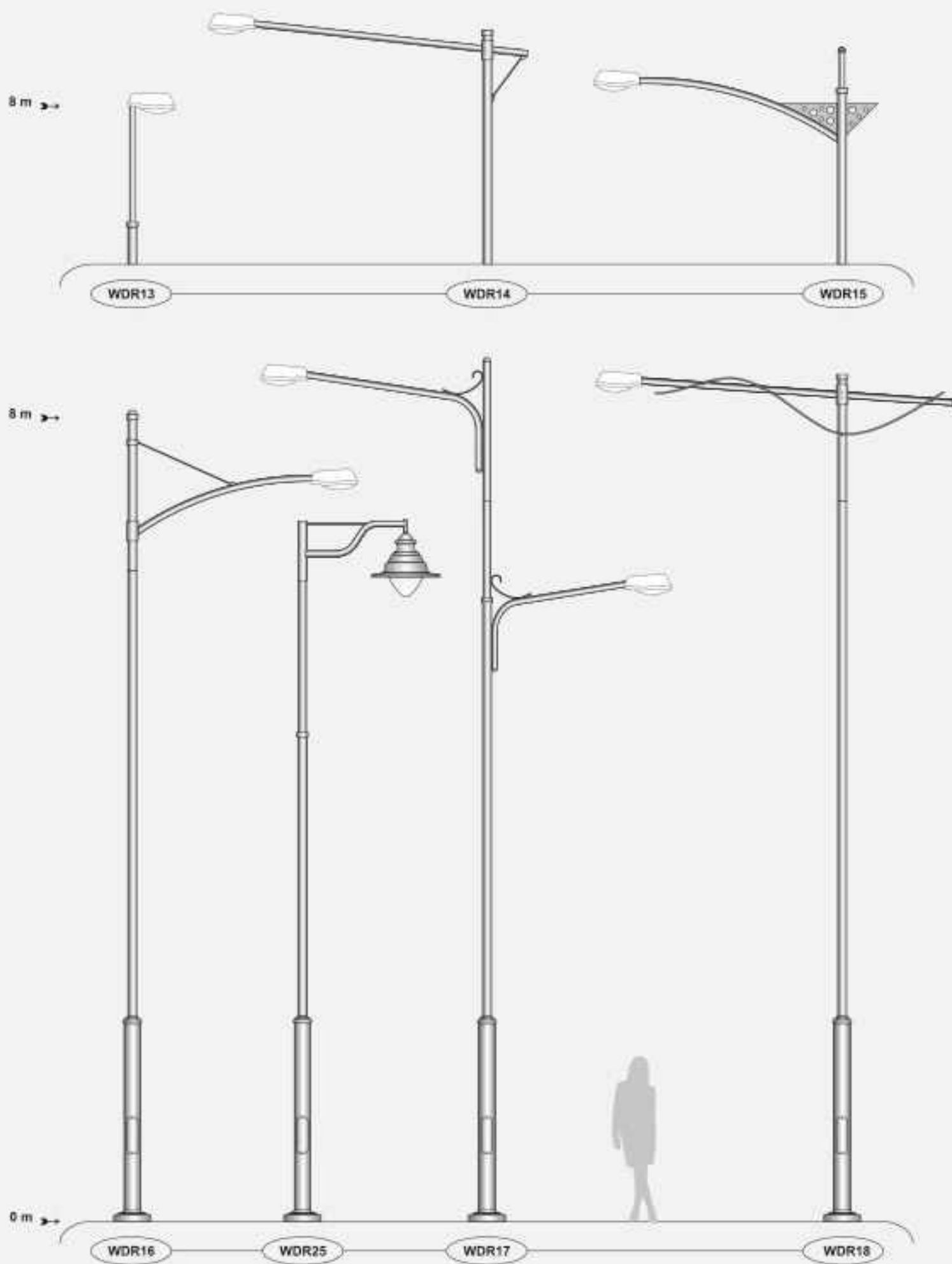
latarnie typu W

MODERN STREETLIGHTS, TYPE "W"



21



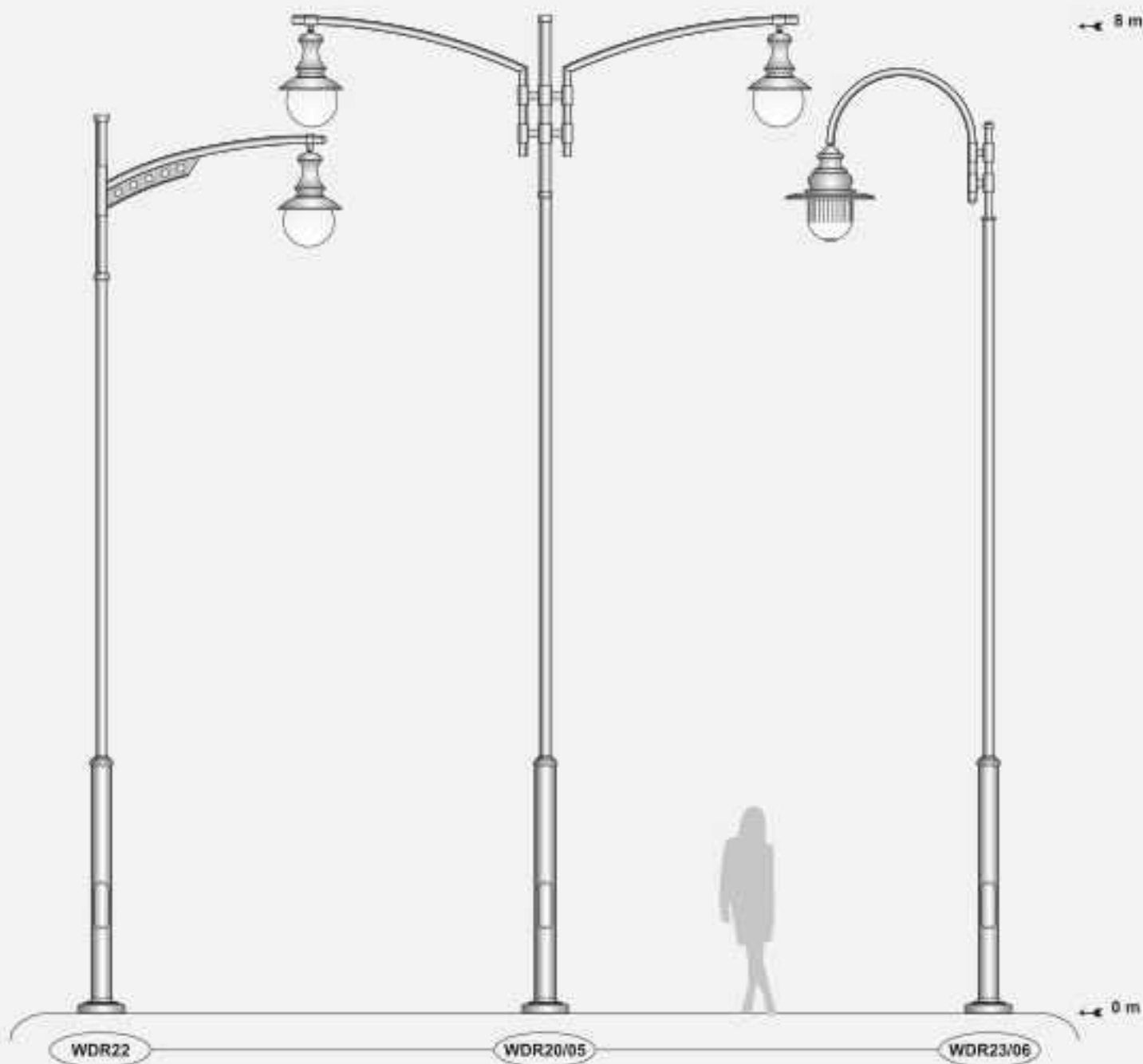
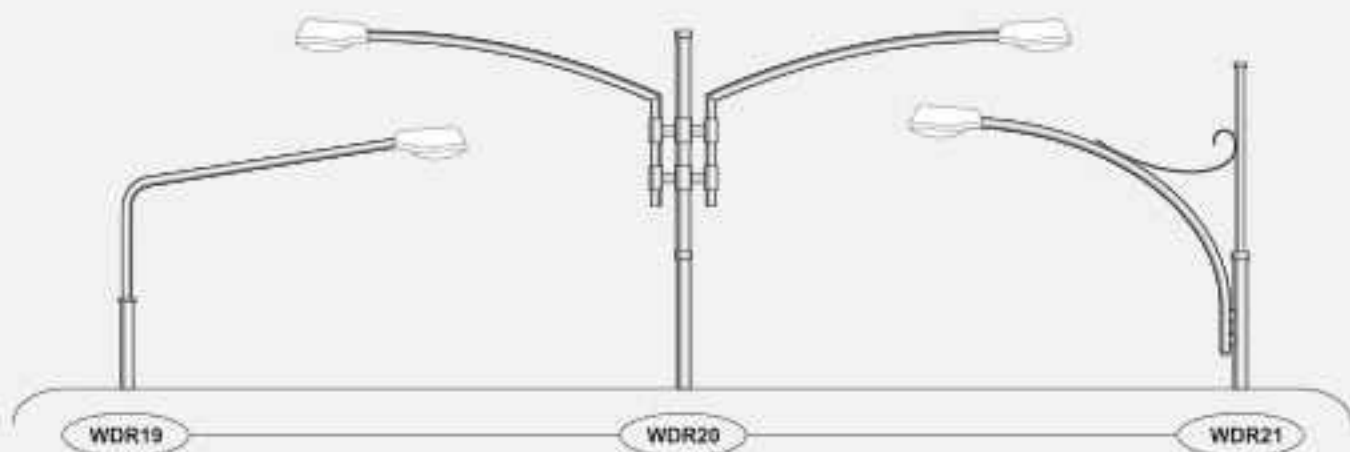


latarnie typu W

MODERN STREETLIGHTS, TYPE 'W'



23

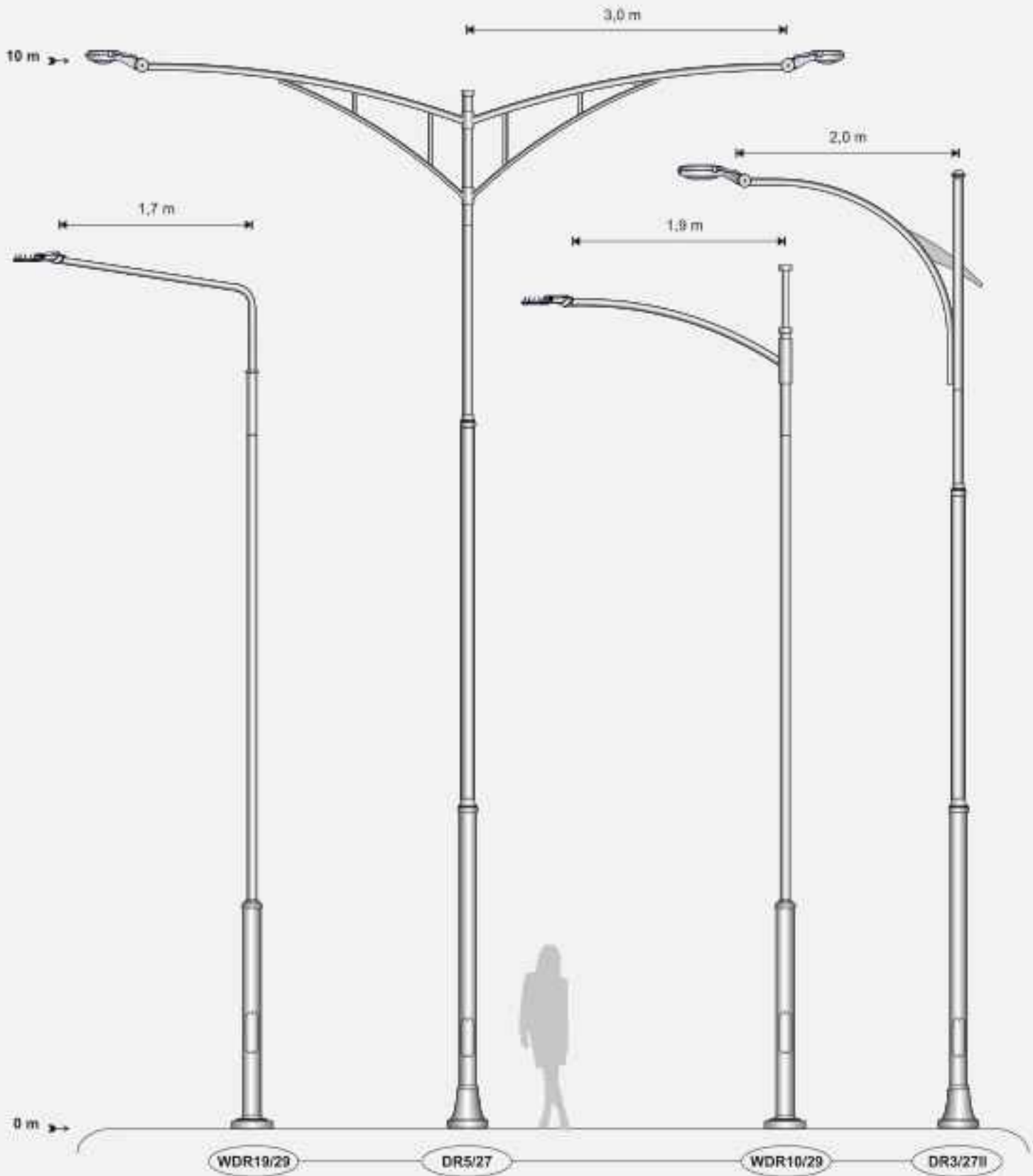




latarnie typu W

MODERN STREETLIGHTS, TYPE "W"

24

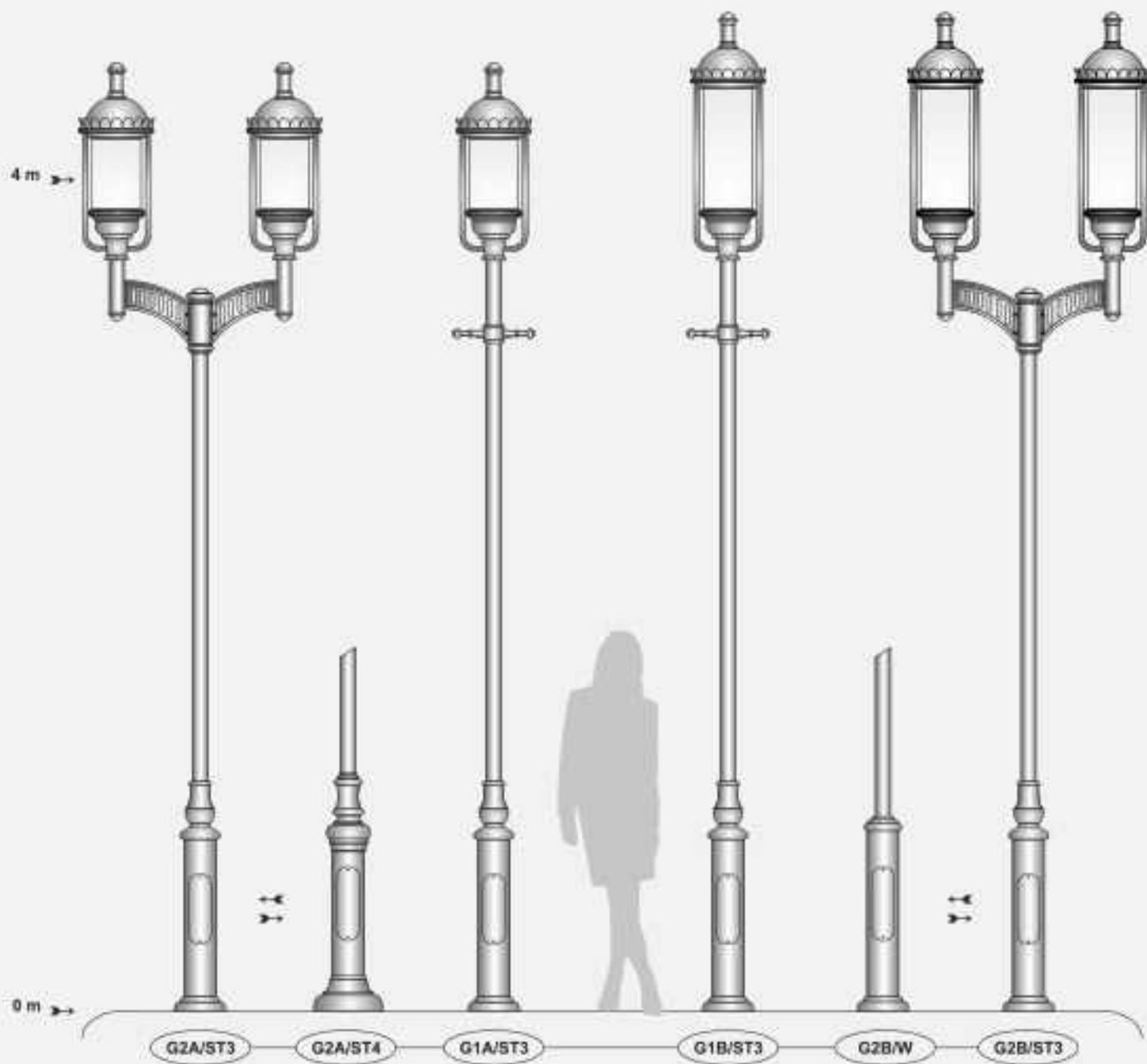
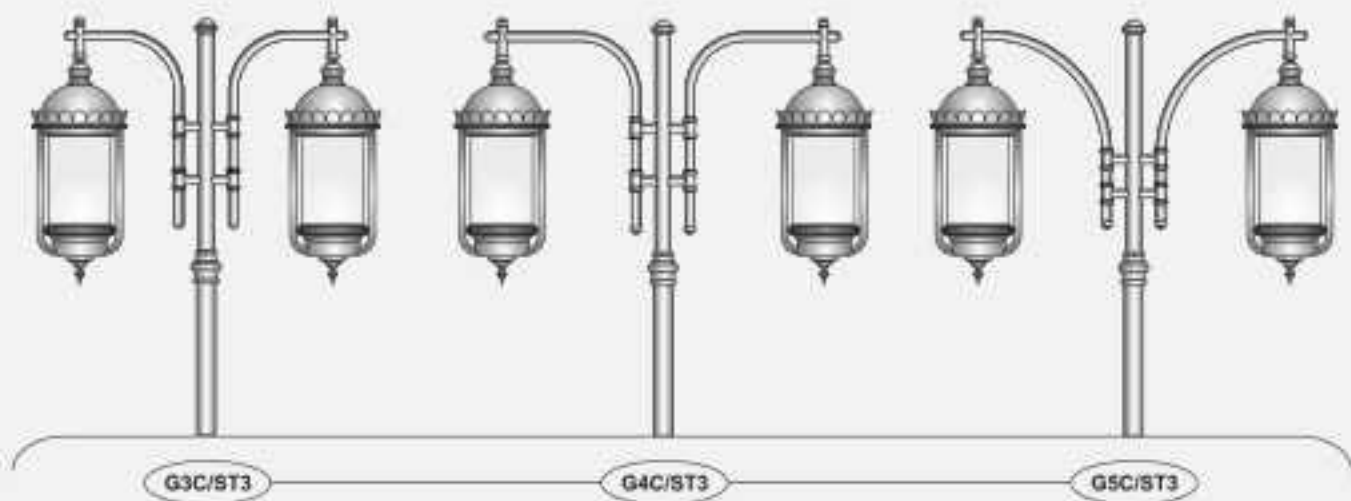




LATARNIE typu G

LATARNIE ULICZNE „LONDYN”
STREETLIGHTS „LONDON”

G

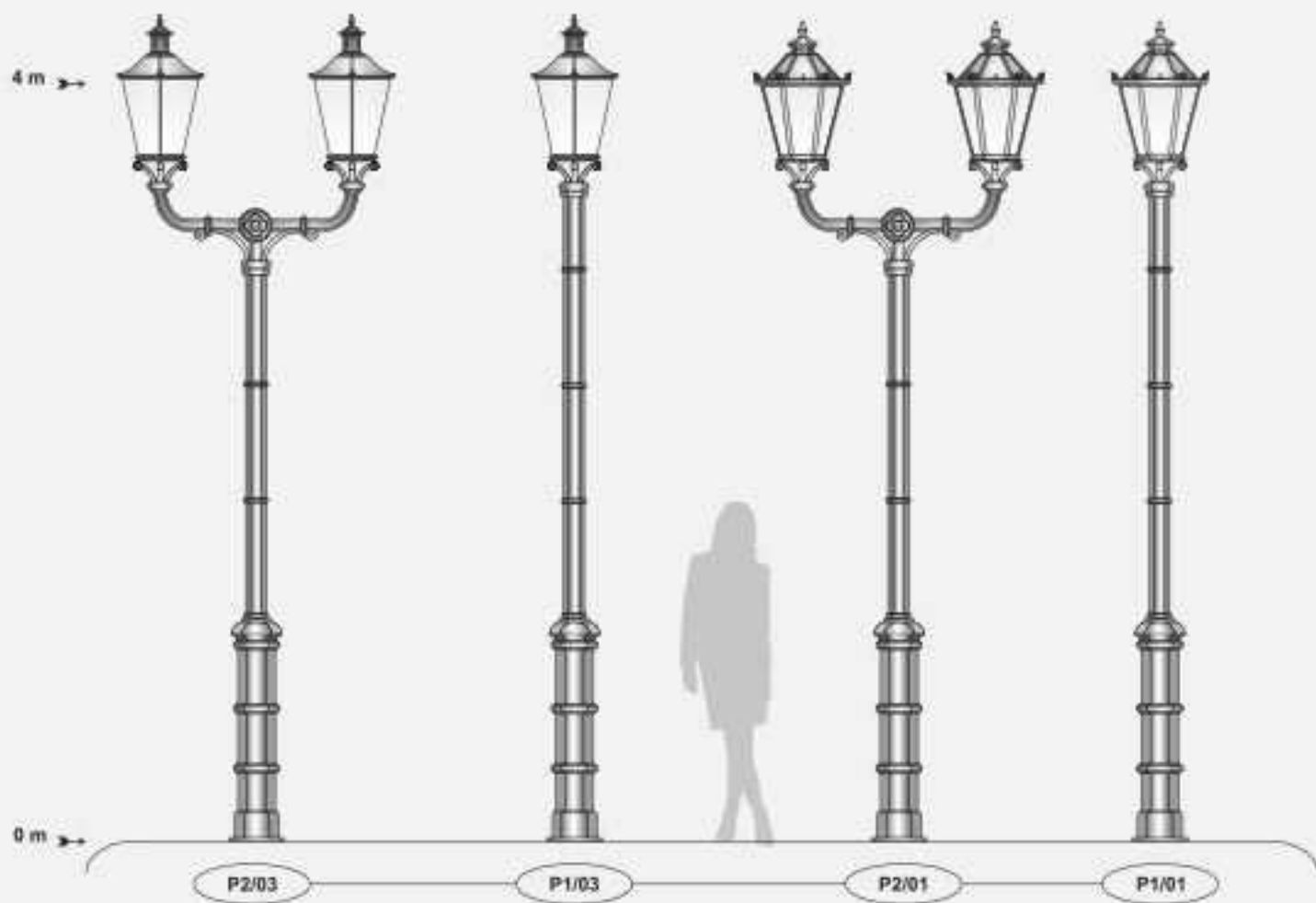
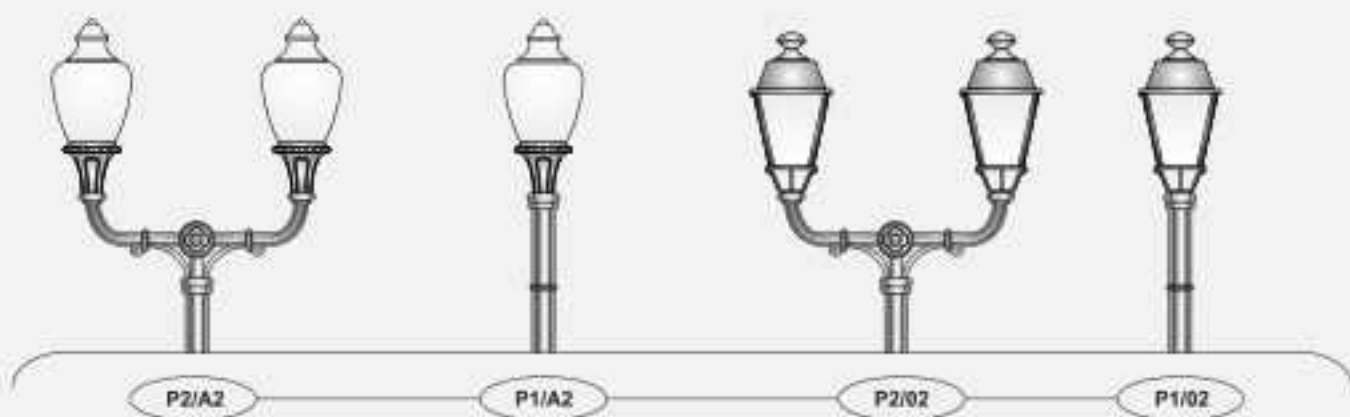
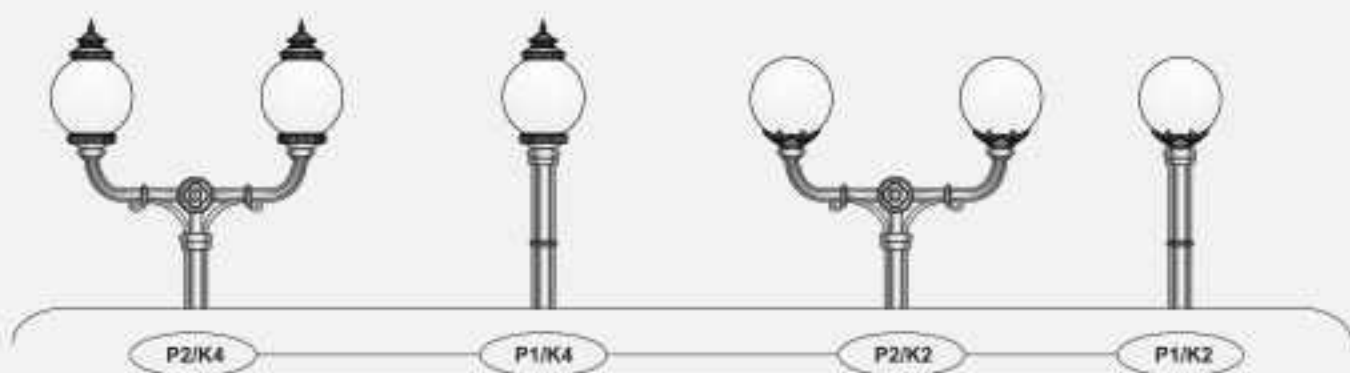




LATARNIE typu P

LATARNIE ULICZNE PLANTA
STREETLIGHTS „PLANTA”

P

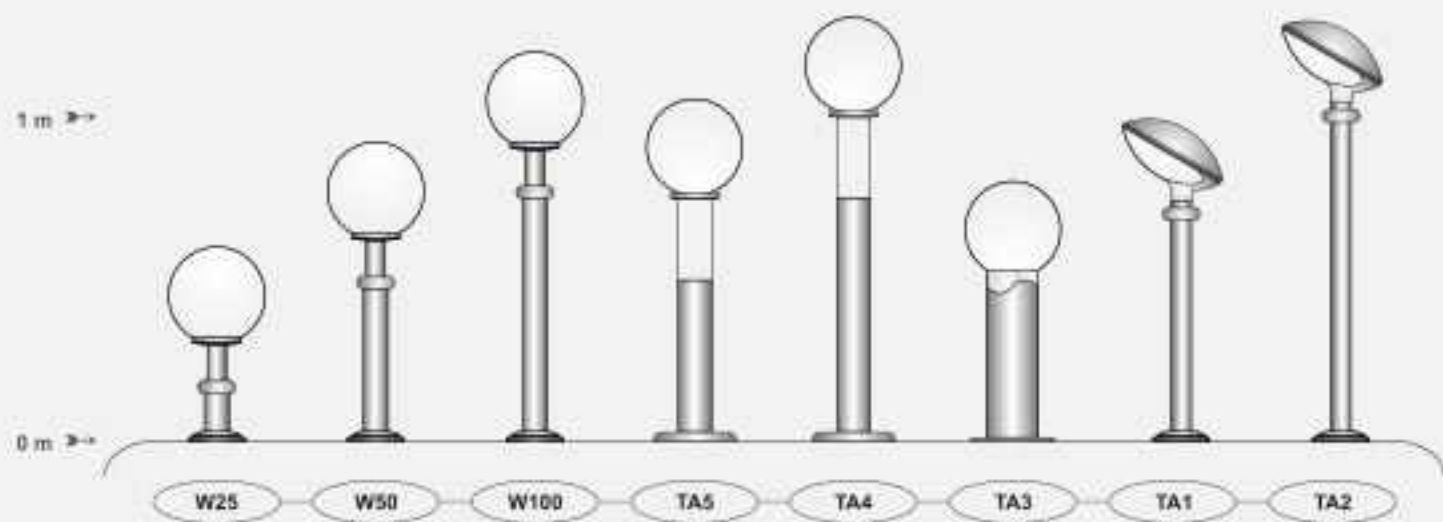
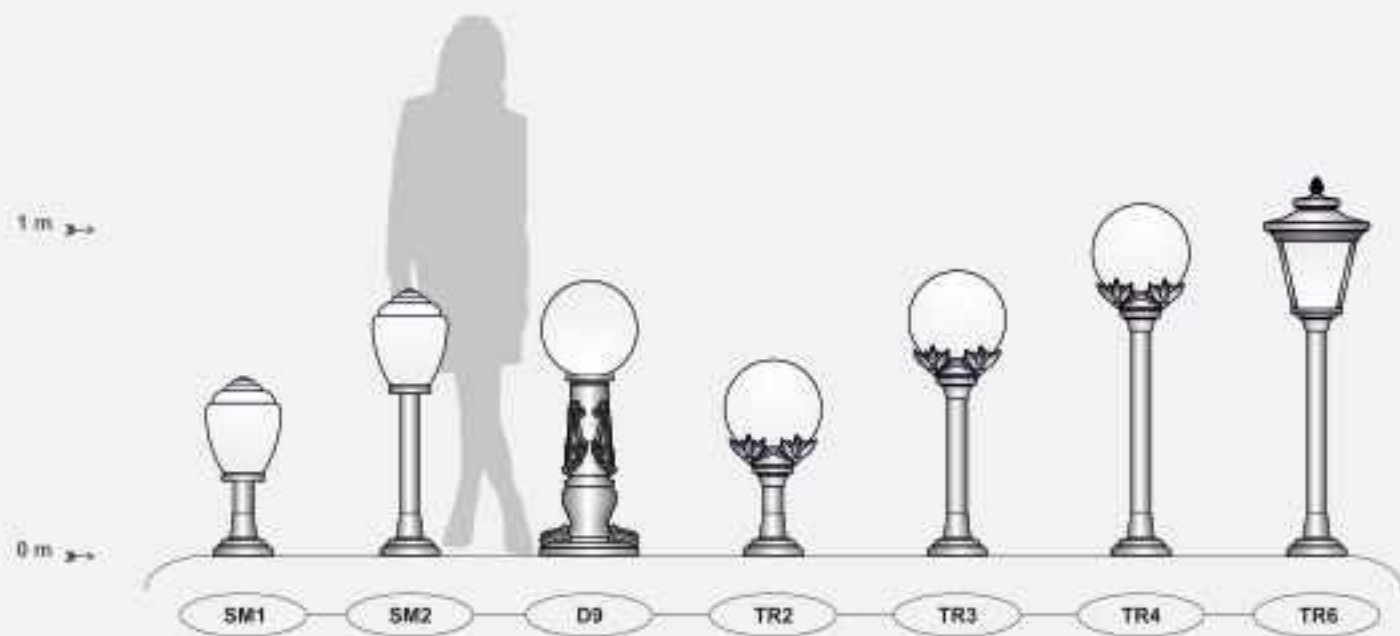
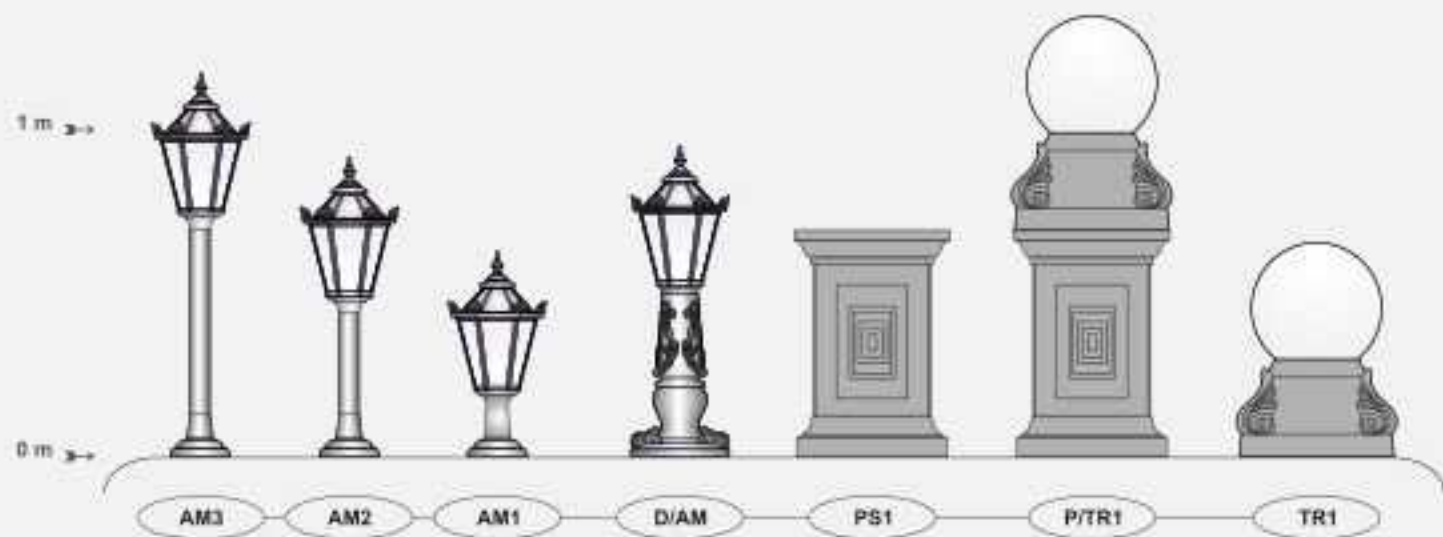




LATARNIE typu O

LATARNIE
GARDEN

WYSOKOŚĆ
WŁASNOŚĆ
DŁUGOŚĆ
D9

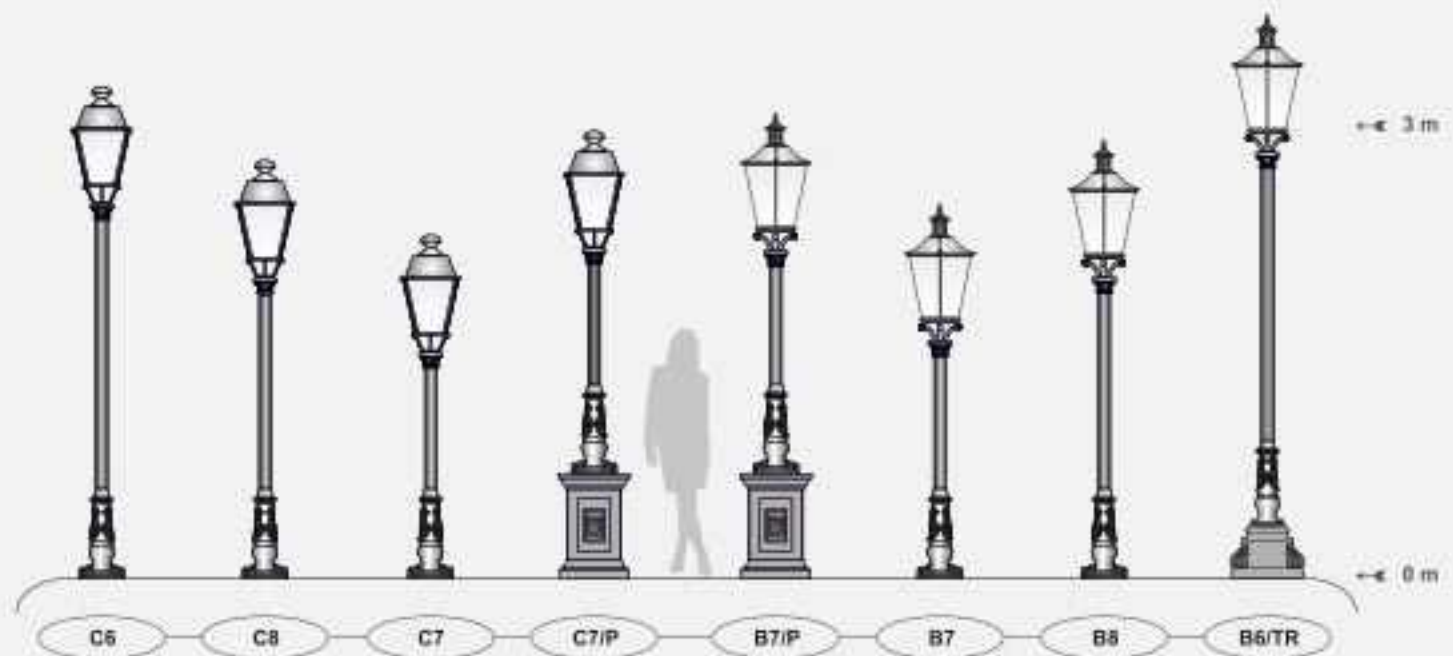
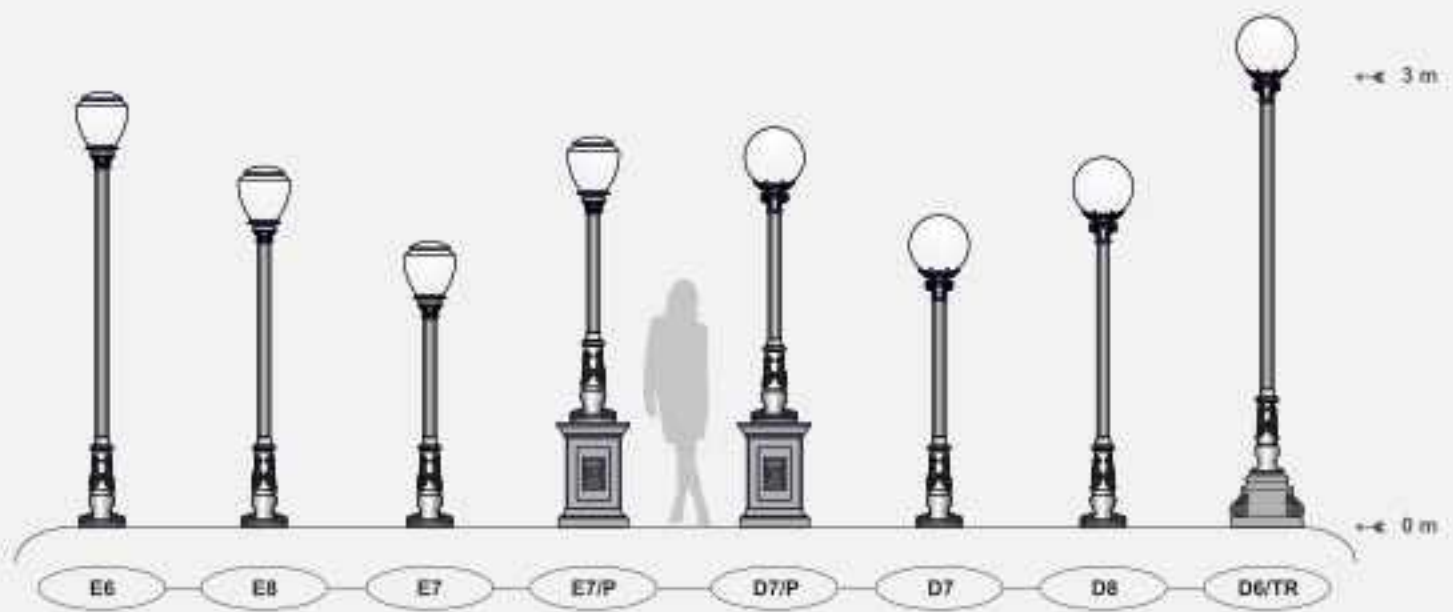
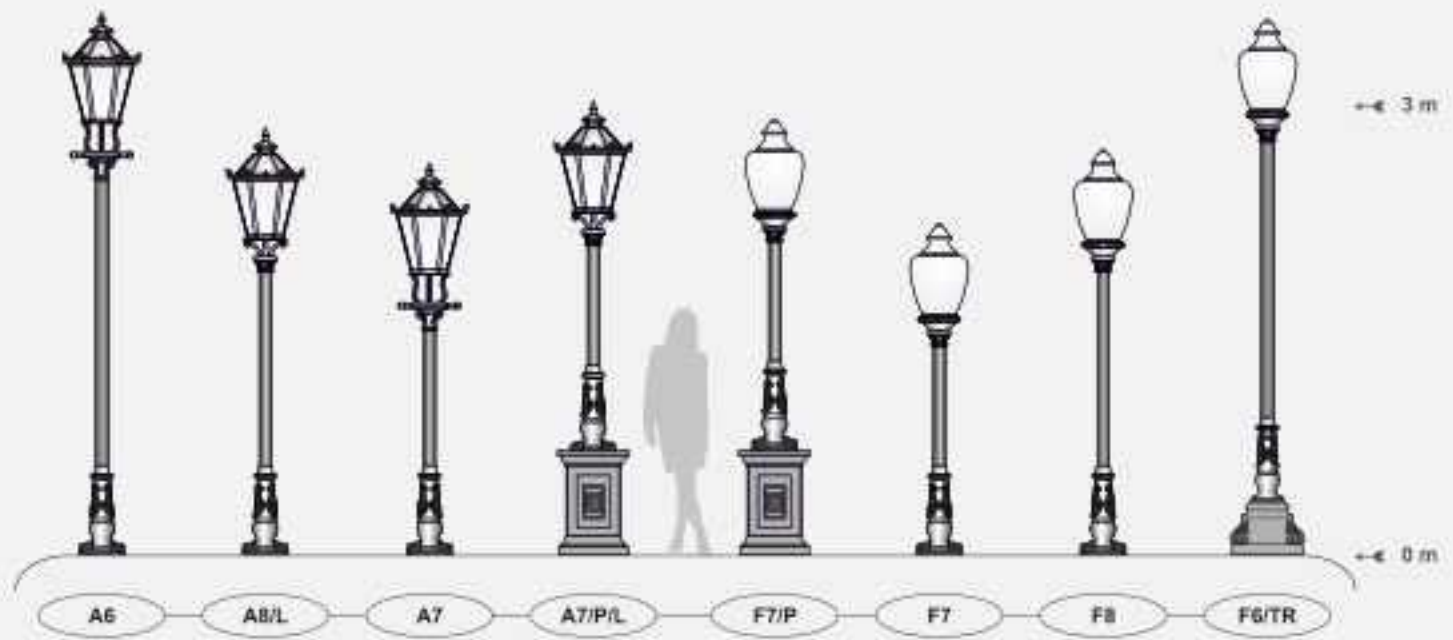


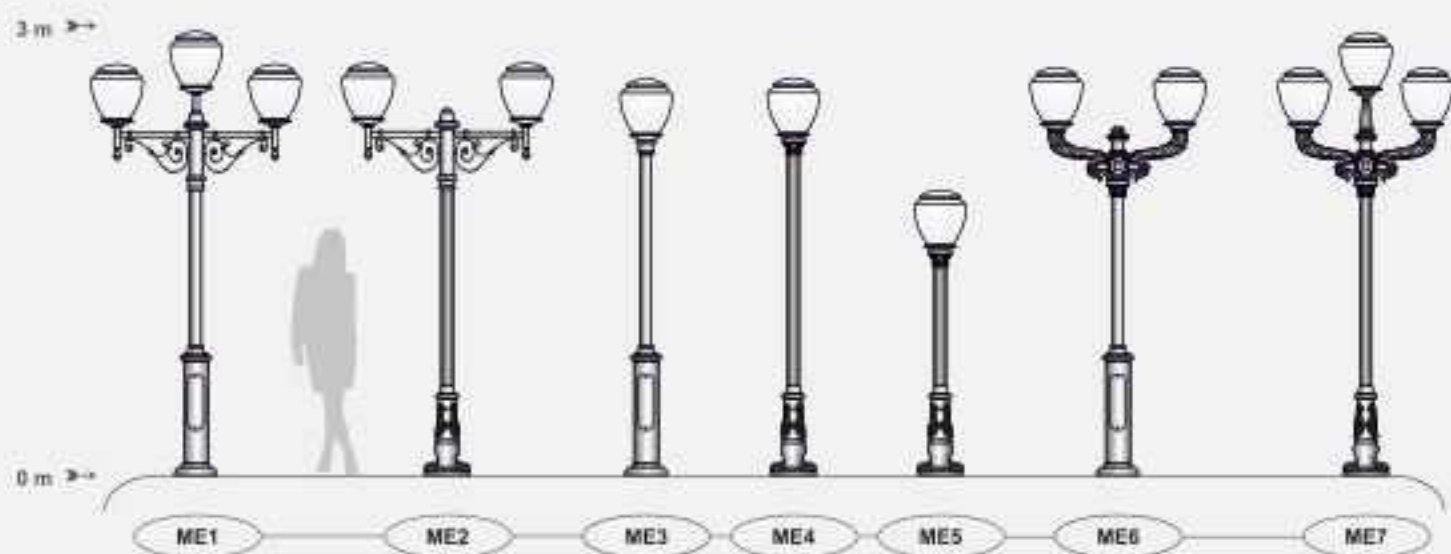
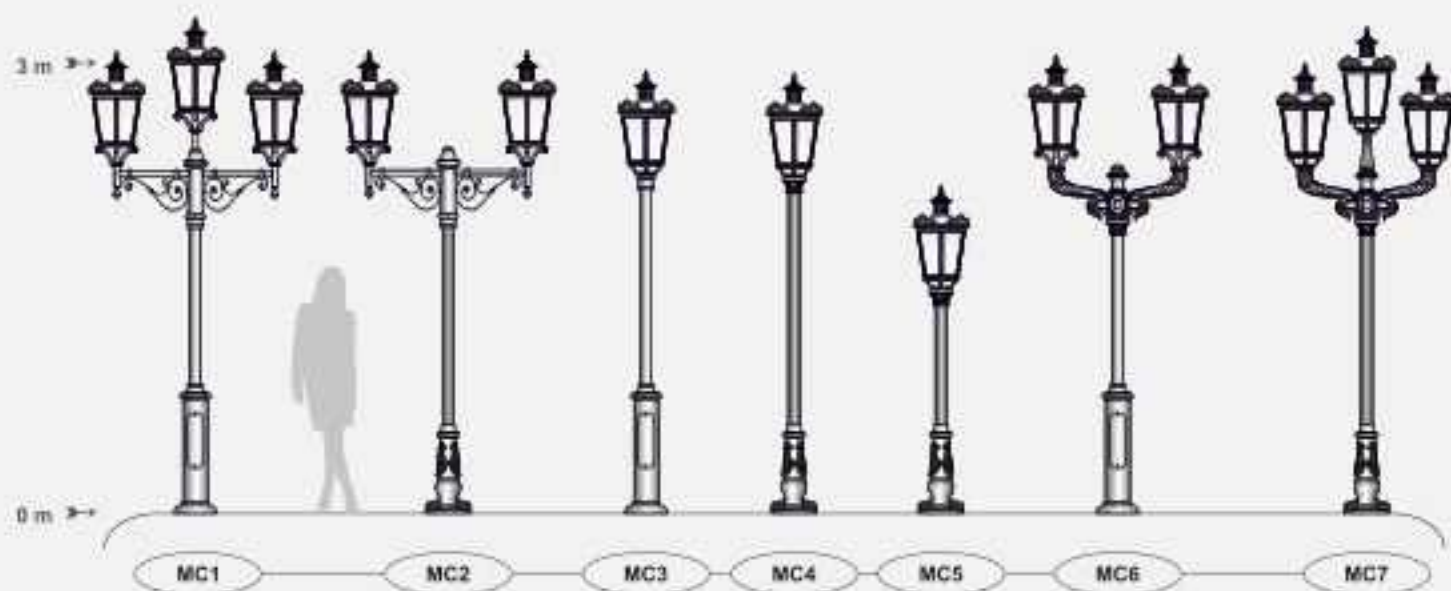
latarnie typu 0

GARDEN & PARK LANTERNS, TYPE 0



32



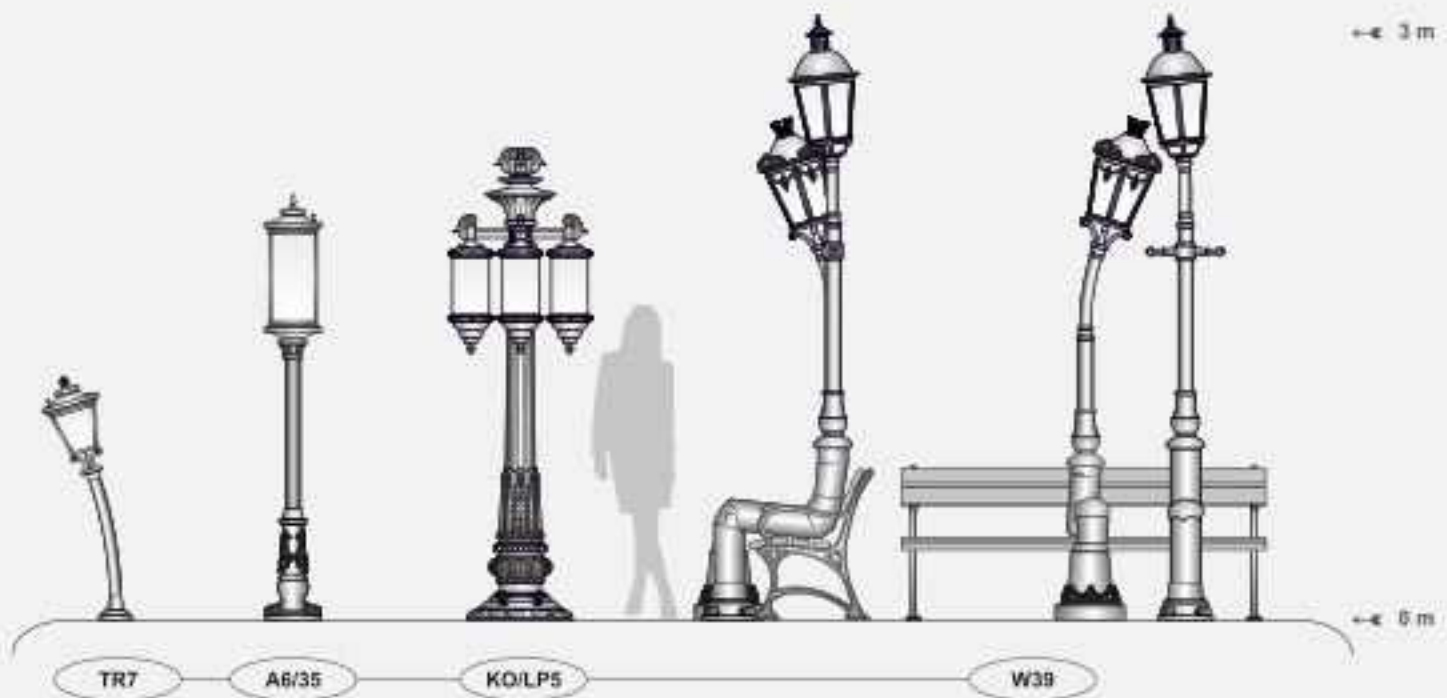


latarnie typu 0

GARDEN & PARK LANTERNS, TYPE 0

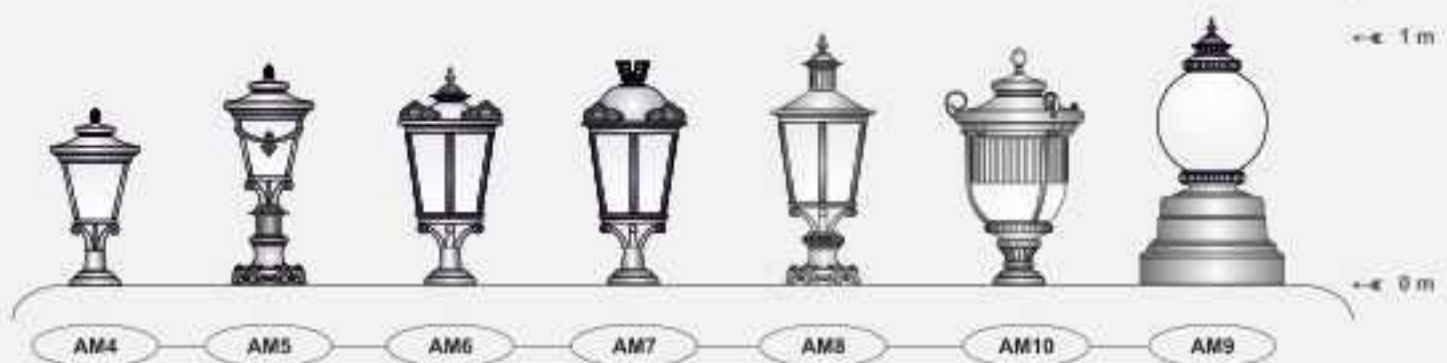


33



kandelabry, typ KBR

CANDELABRAS, TYPE „KBR“





latarnie typu 0

GARDEN & PARK LANTERN, TYPE 0

34

2 m

0 m

M3/22M

M3/AM

M3/K1D

M3/36

M3/36/2

M3/22M/2

WR5/2

WR5/3

3 m

0 m

ST4K/R/G02

ST4/R/21

ST4K/R/22

ST4/R/A2D

3 m

0 m

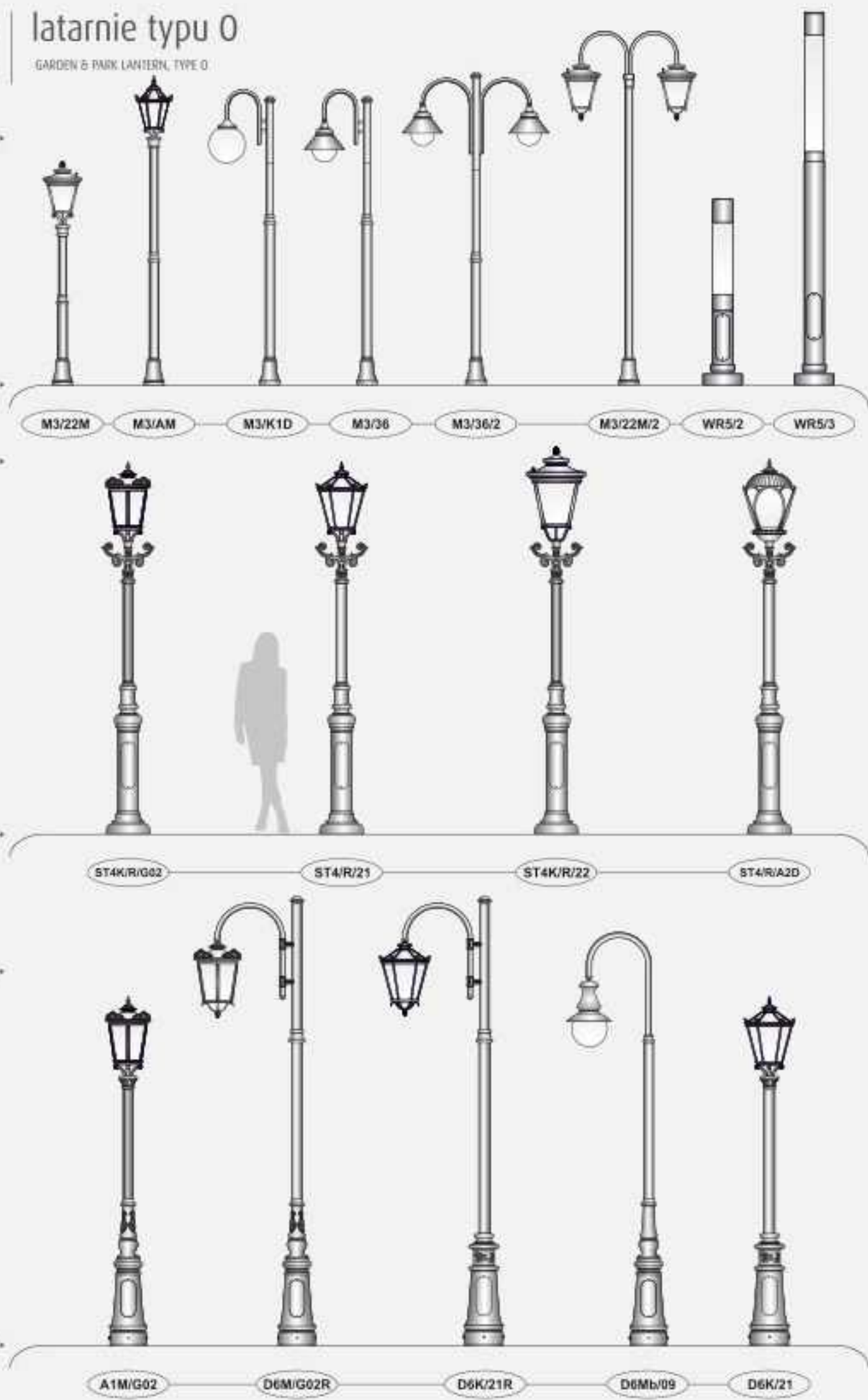
A1M/G02

D6M/G02R

D6K/21R

D6Mb/09

D6K/21





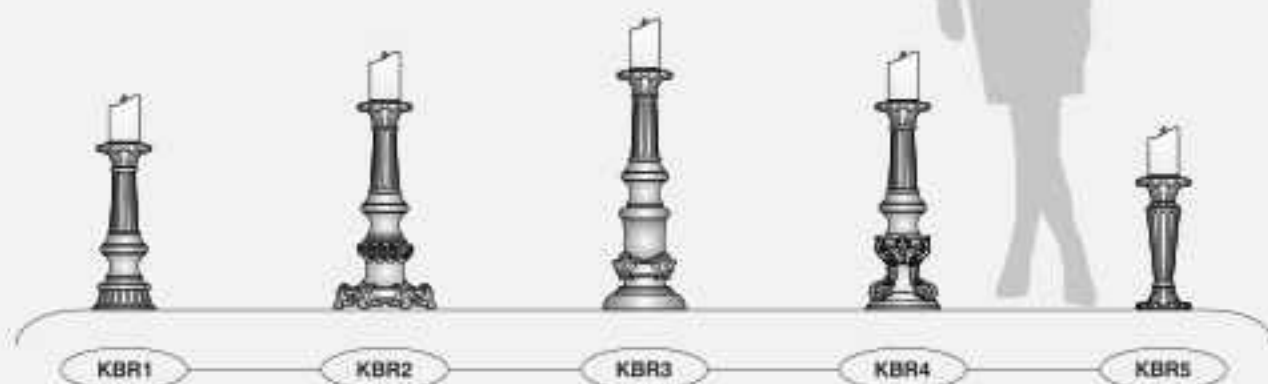
KANDELABRY

KANDELABRY
CANDELABRAS

KBR

1 m →

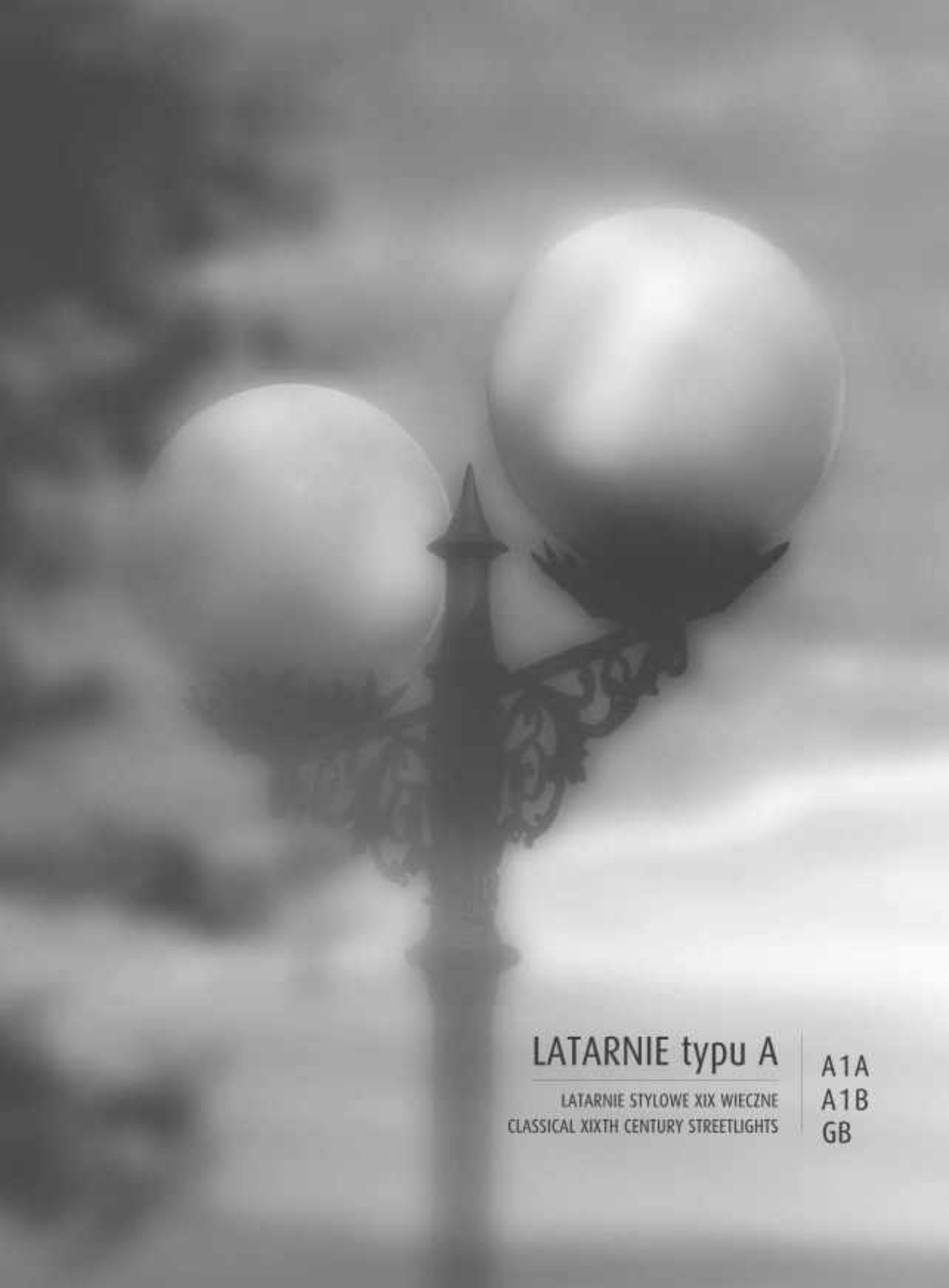
0 m →



2 m →

0 m →





LATARNIE typu A

LATARNIE STYLOWE XIX WIECZNE
CLASSICAL SIXTH CENTURY STREETLIGHTS

A1A

A1B

GB



A5A/K2



A3A/K2



A2B/K2



A1A/K2G



A5A/03



A3A/03



A2B/03



A1A/03G



A5A/02



A3A/02



A2B/02



A1A/02L



A5A/01



A3A/01



A2B/01



A1A/01G

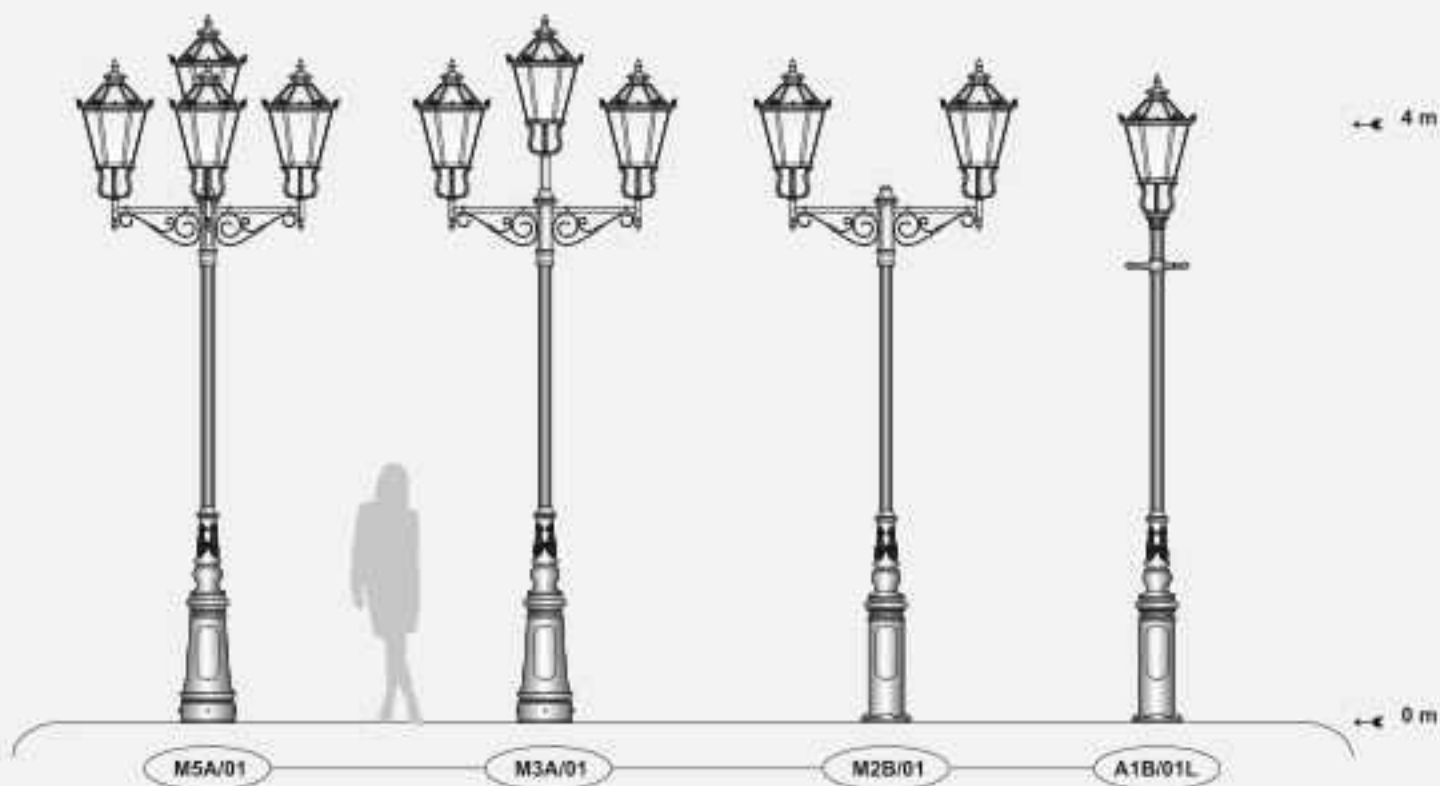
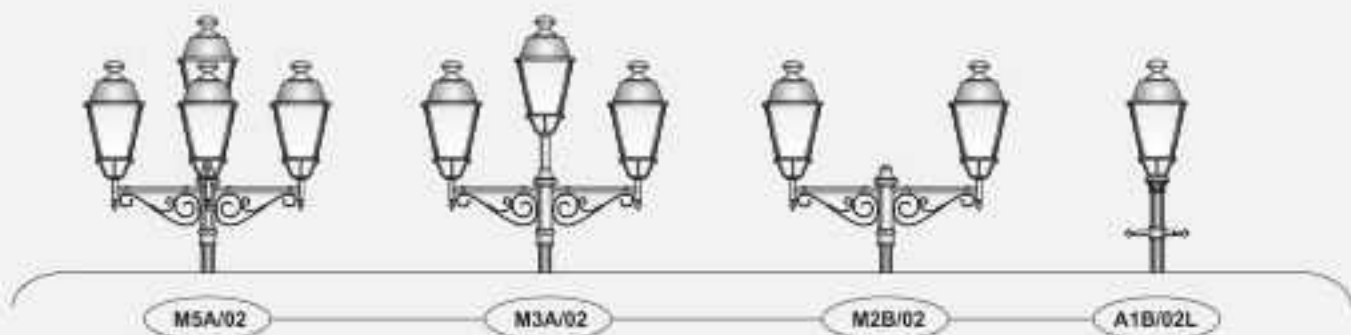
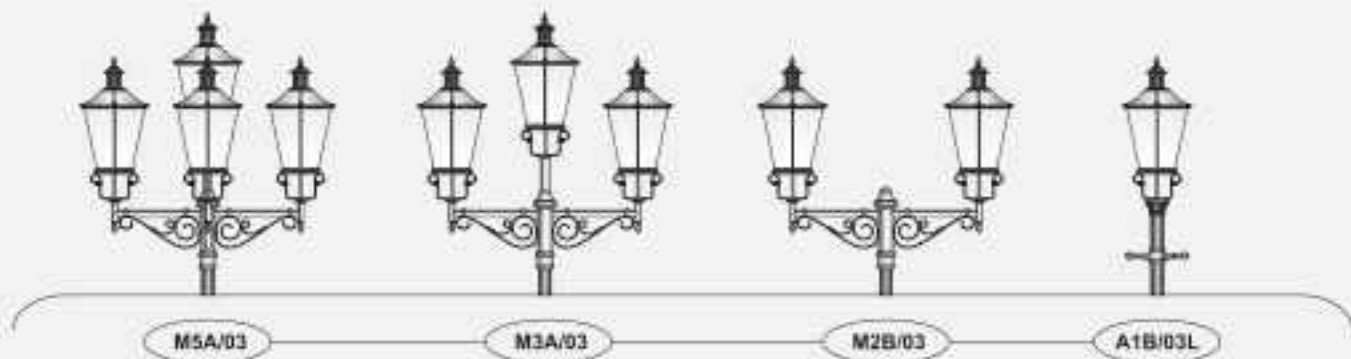
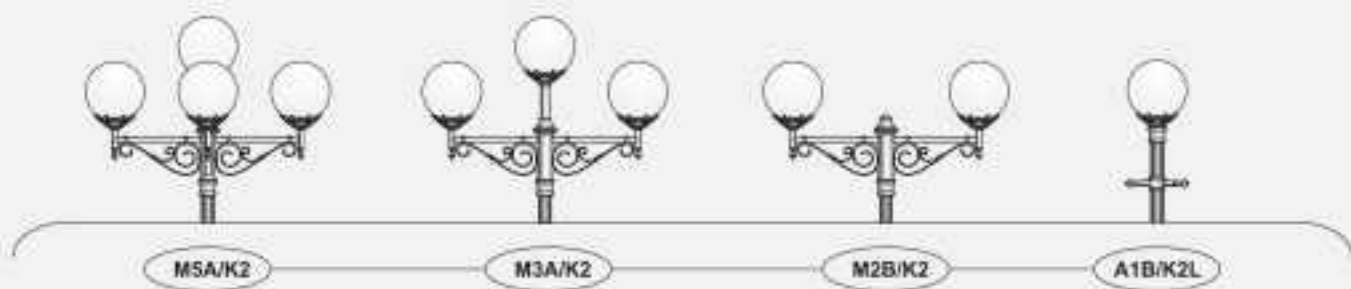
4 m →

0 m →



latarnie typu A

CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"





B5A/02



B3A/02



B2B/02



A1A/02L



B5A/03



B3A/03



B2B/03



A1A/03L



B5A/K2



B3A/K2



B2B/K2



A1A/K2L

4 m →



B5A/A2



B3A/A2



B2A/A2



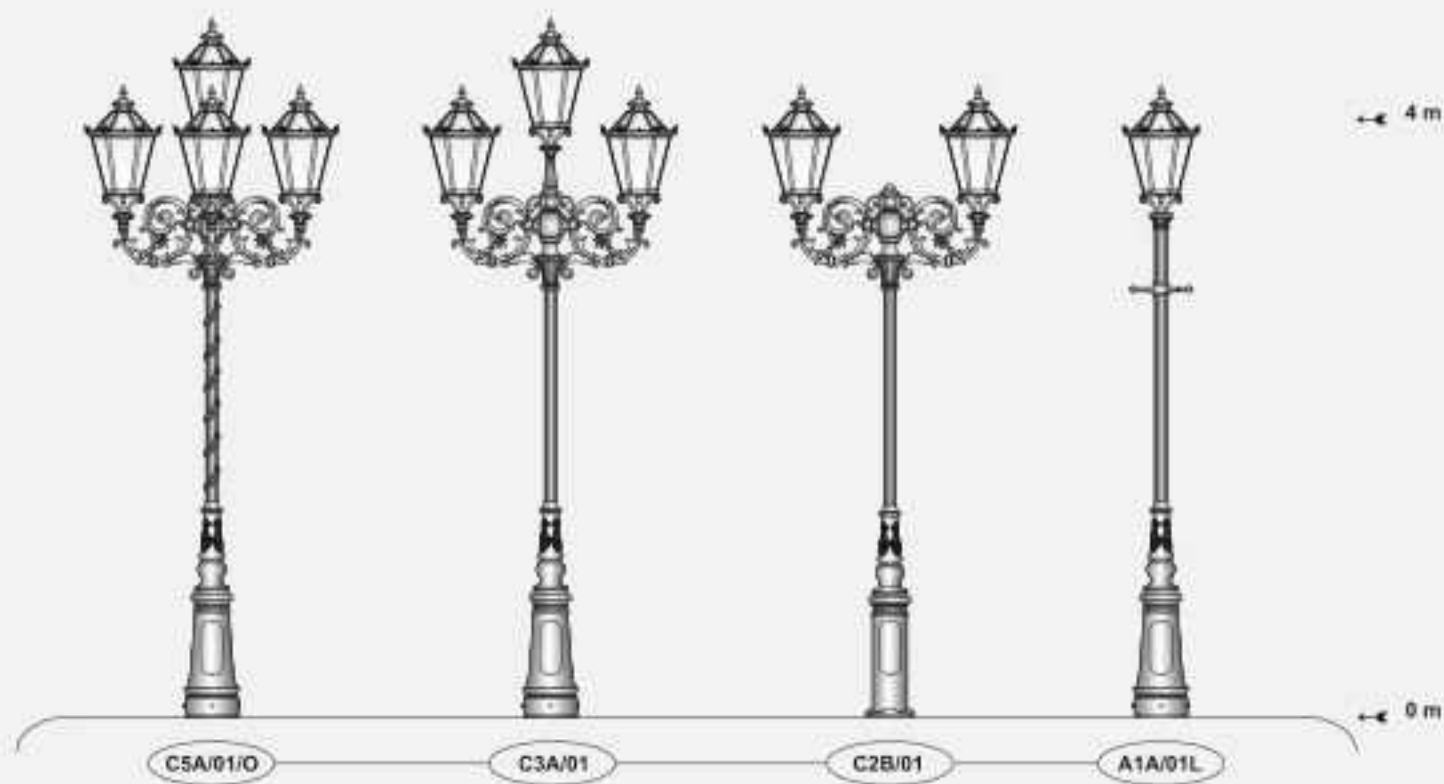
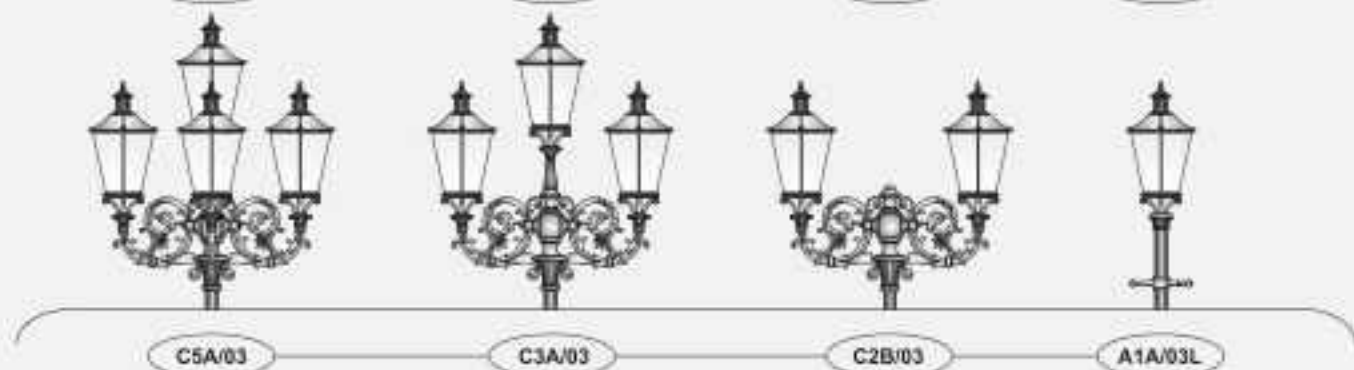
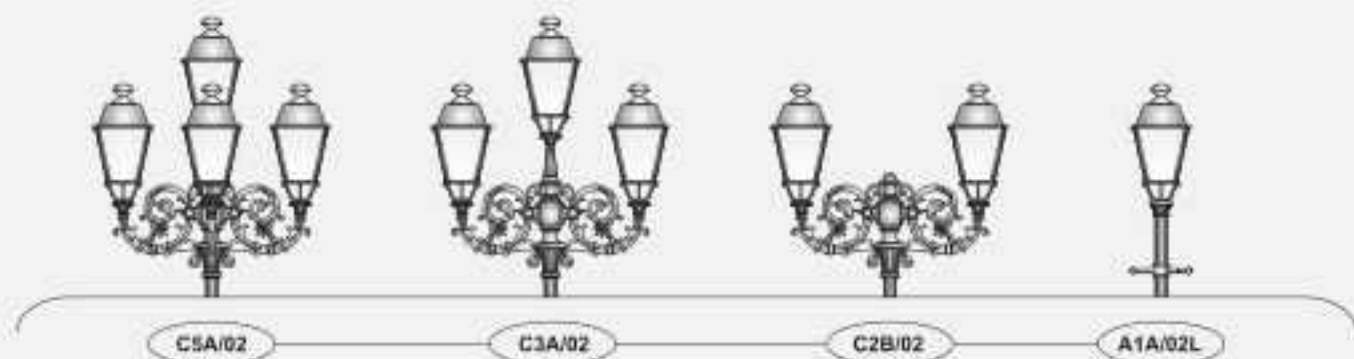
A1A/A2L

0 m →



latarnie typu A

CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"





H5A/K2



H3A/K2



H2B/K2



A1A/K2G



H5A/03



H3A/03



H2B/03



A1A/03



H5A/19



H3A/19



H2B/19



A1A/19

4 m →



H5A/22B



H3A/22B



H2B/22B



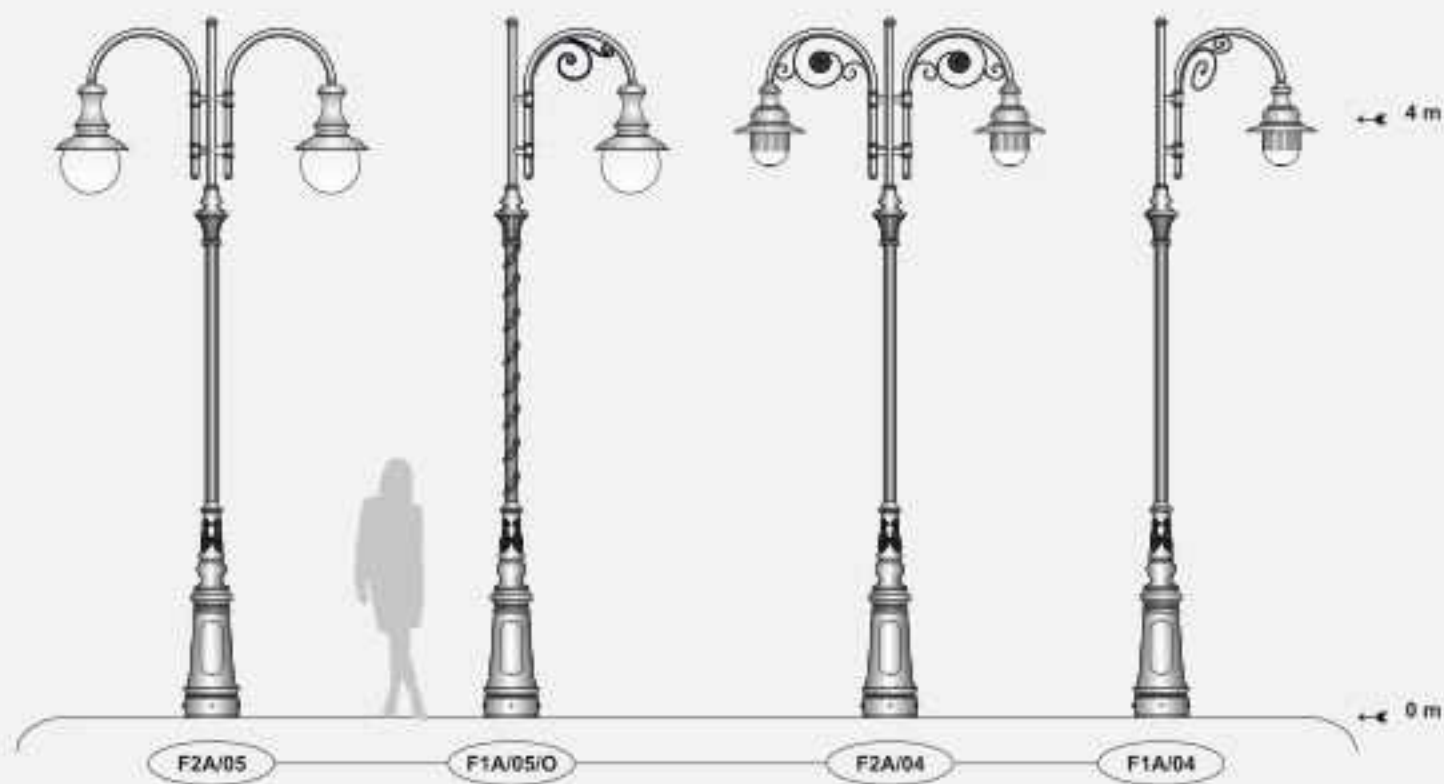
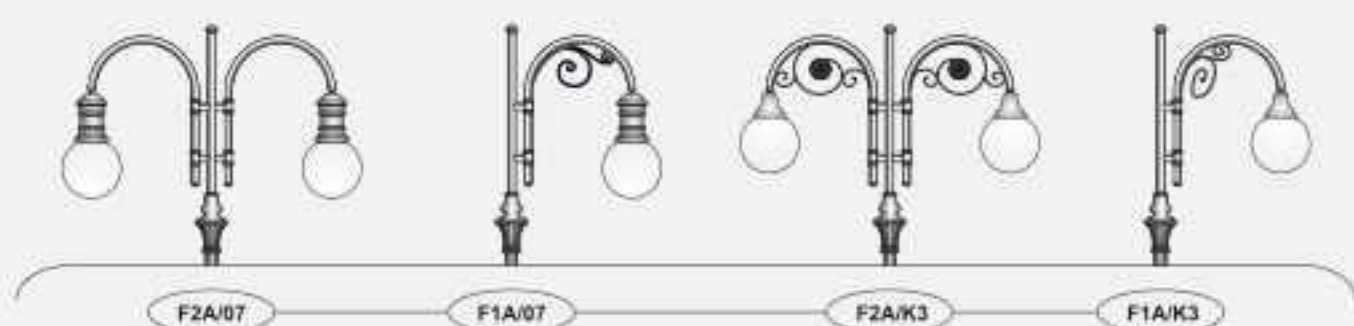
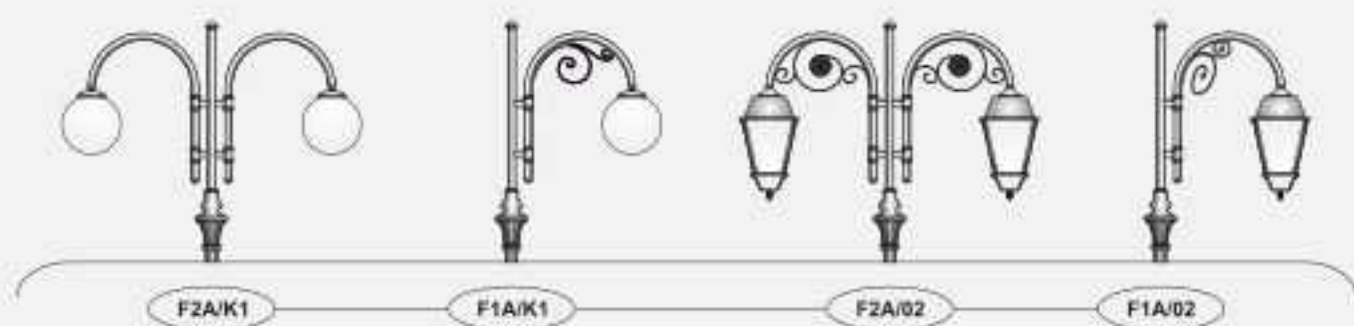
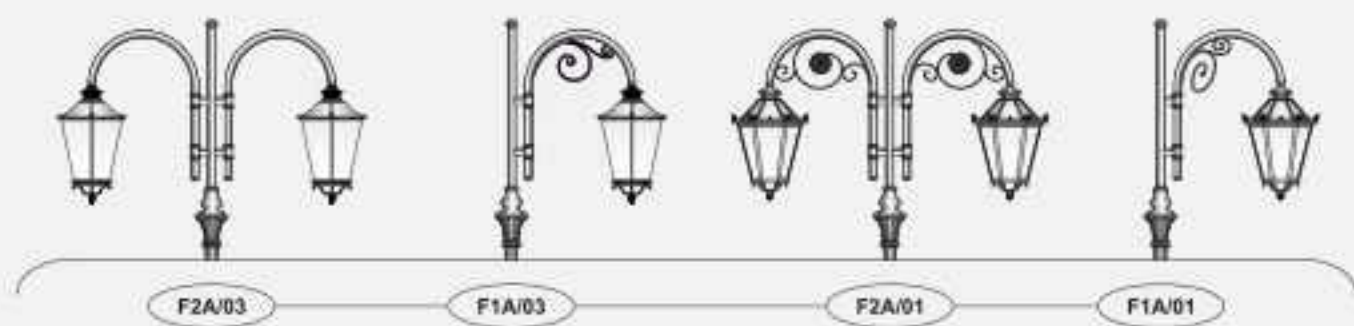
A1A/22B

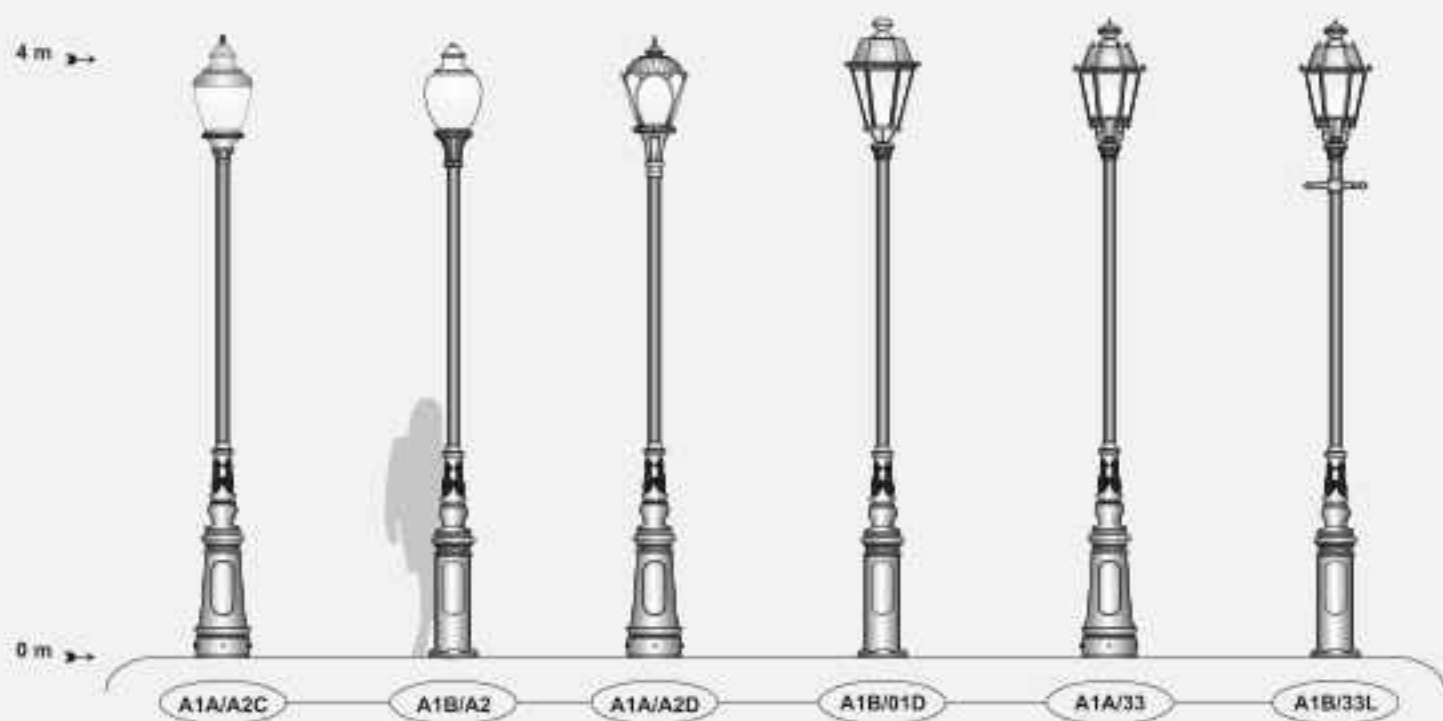
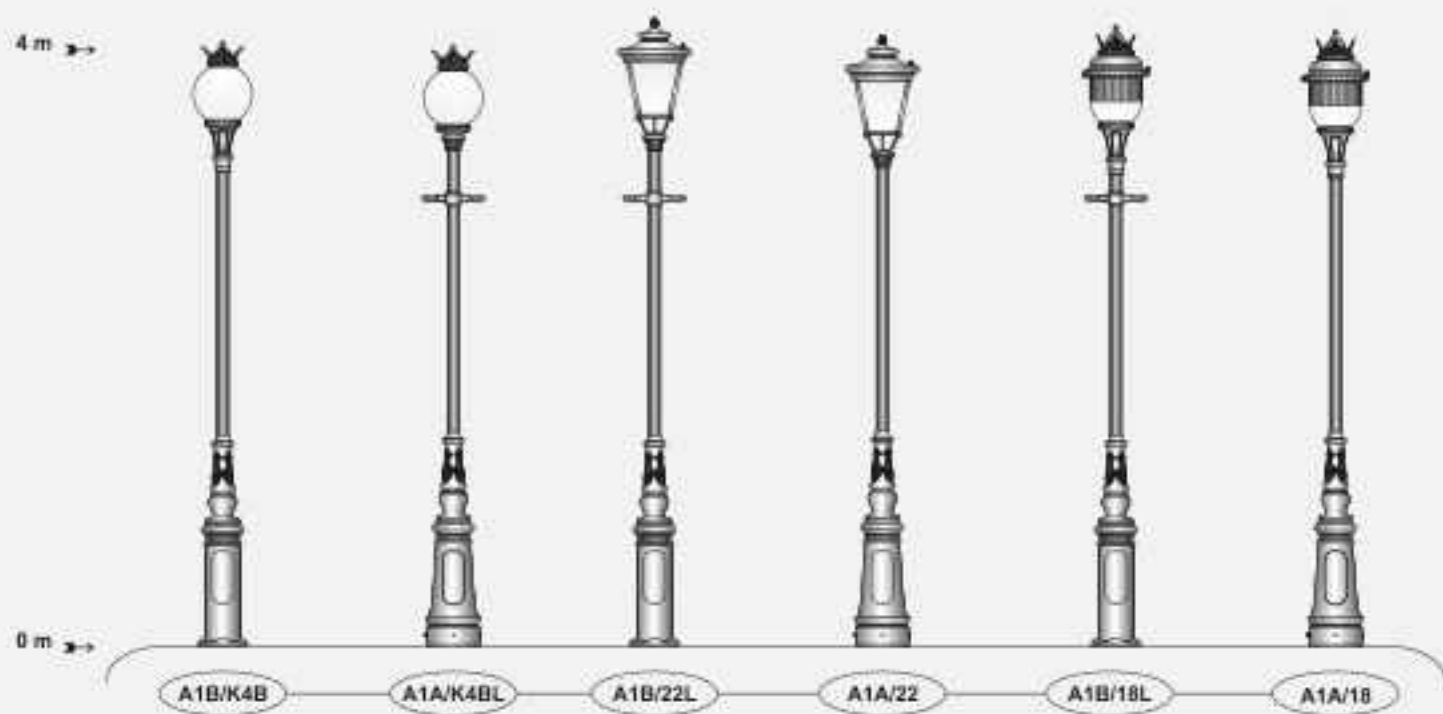
0 m →



latarnie typu A

CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"



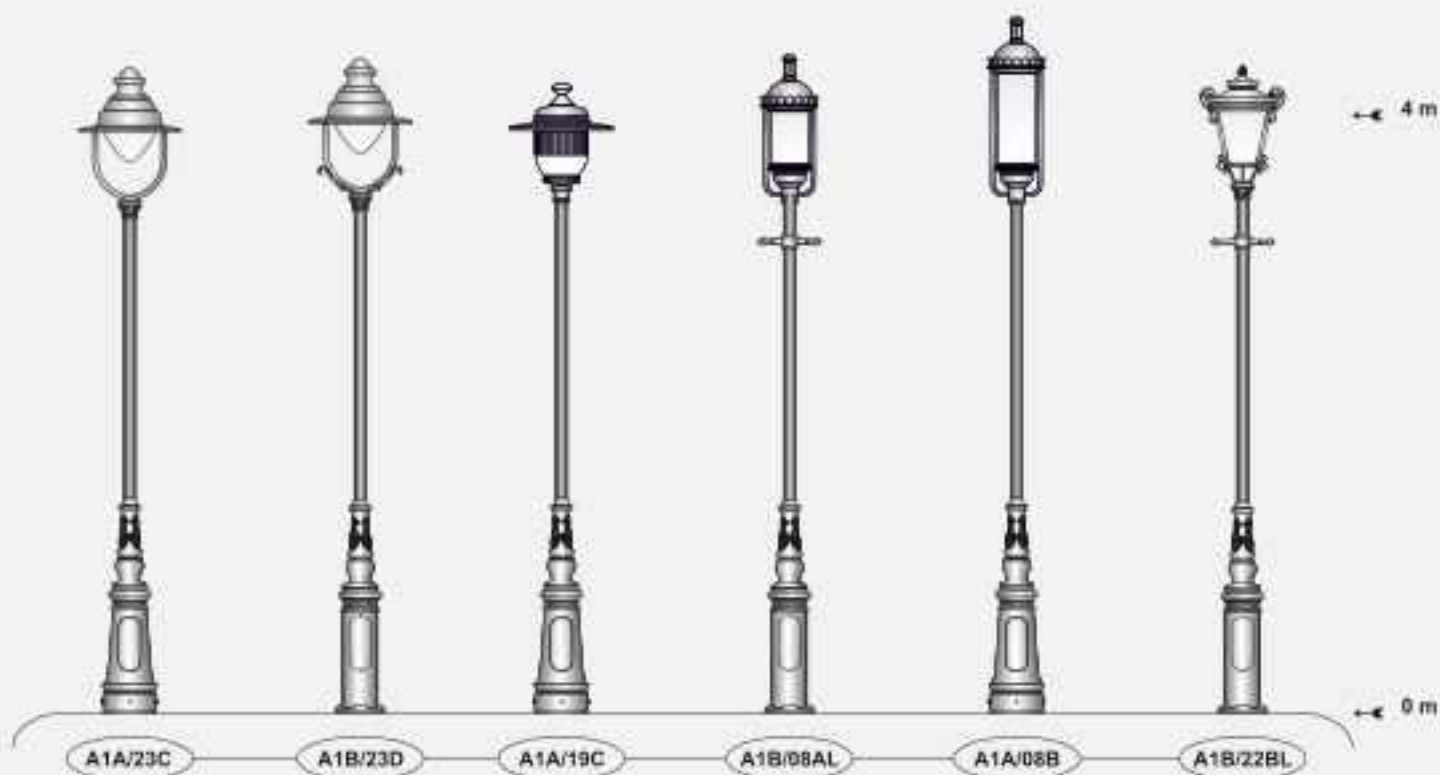
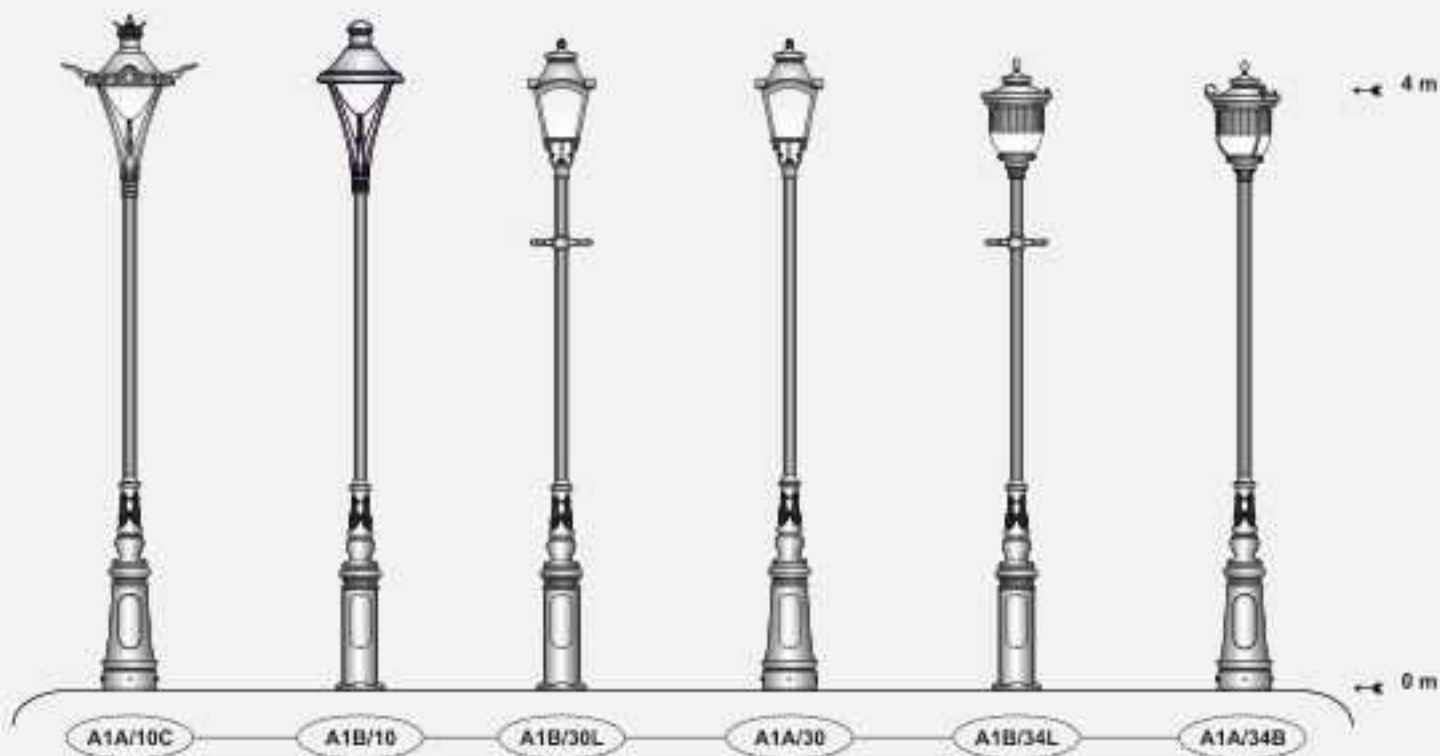


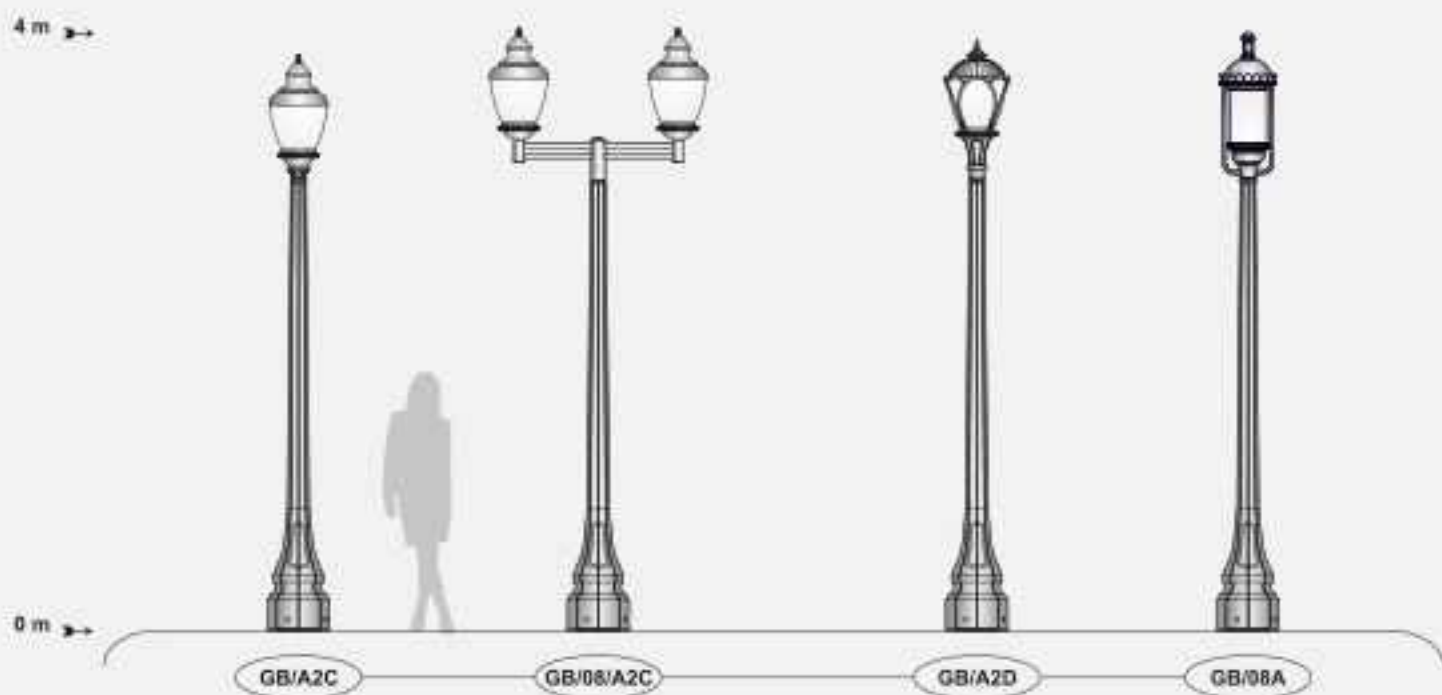
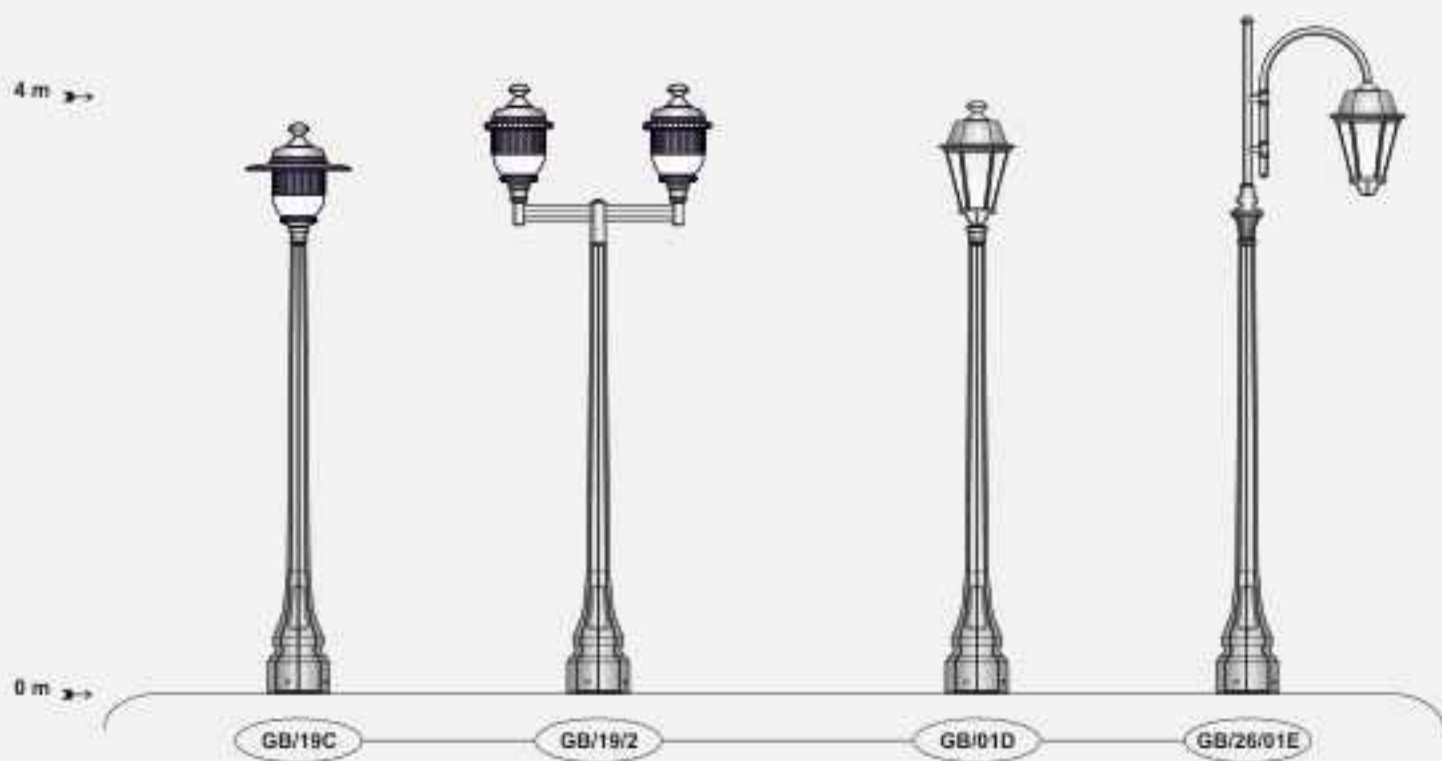
latarnie typu A

CLASSICAL XIX TH CENTURY STREETLIGHTS, TYPE "A"



45







LATARNIE typu ST

LATARNIE STYLIZOWANE
STYLE STREETLIGHTS

ST1
ST2
ST3
ST4



ST1/290/5



ST1/291



ST4/292



ST1/K2G



ST1/13K/5



ST1/13



ST4/14



ST1/02G



ST1/5K/5



ST1/5



ST4/6



ST1/01G



ST1/9K/5



ST1/9



ST4/10

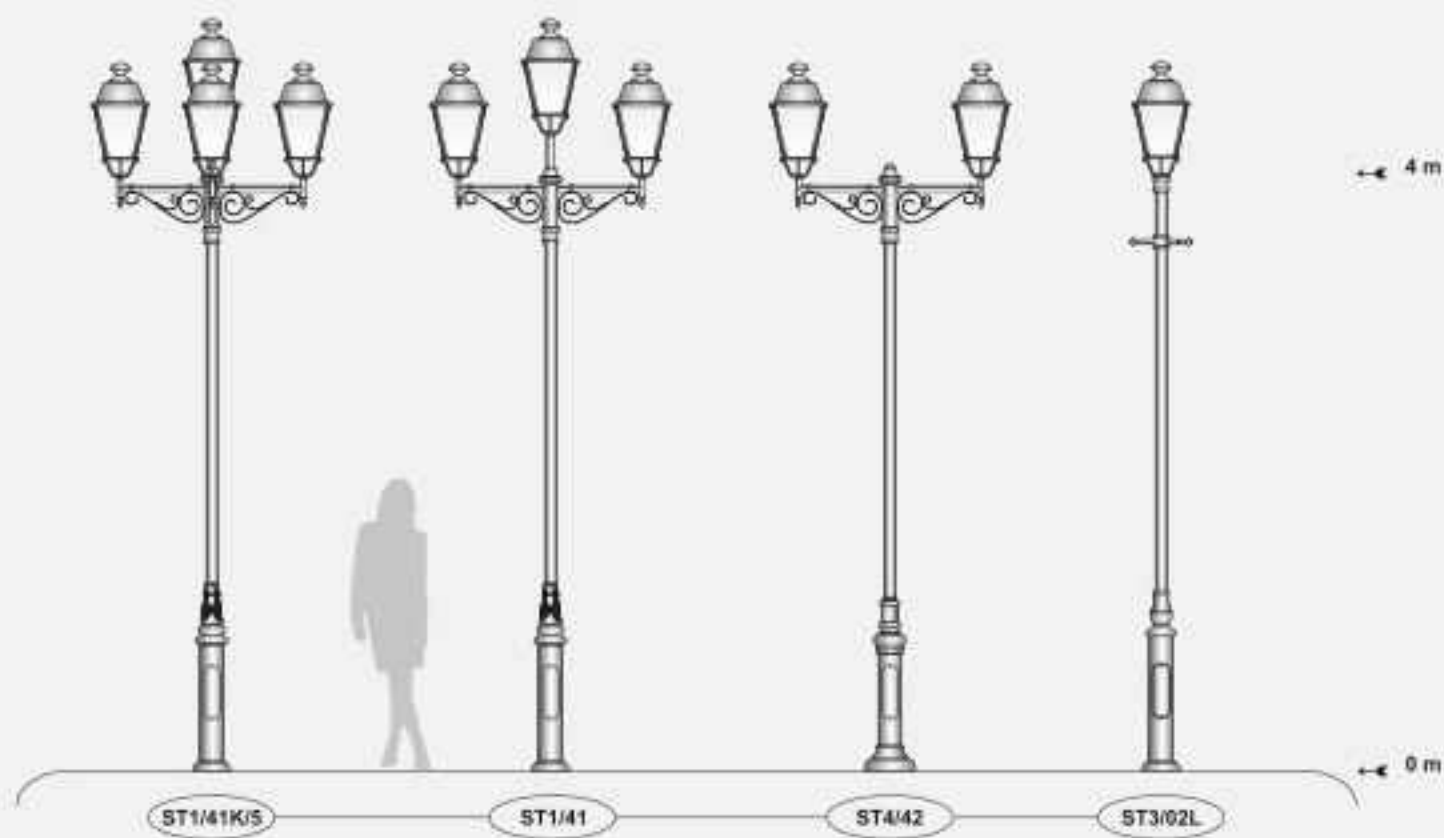
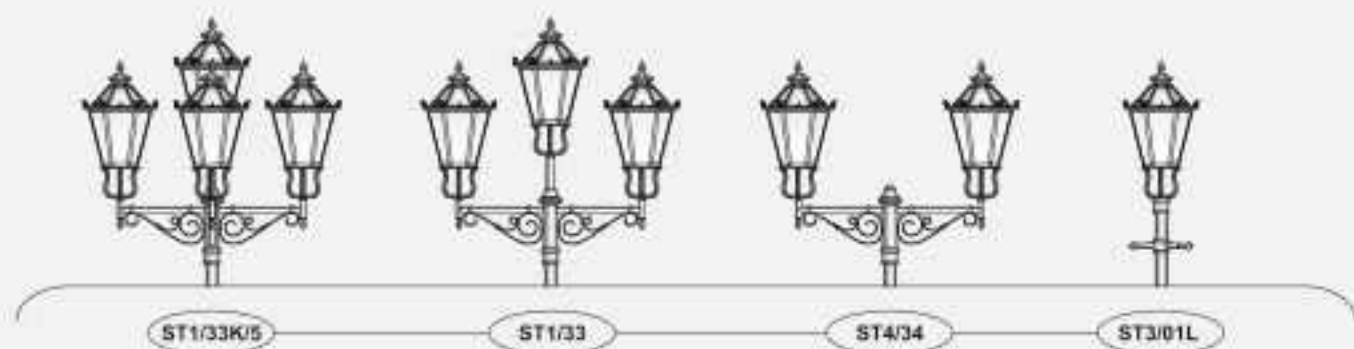
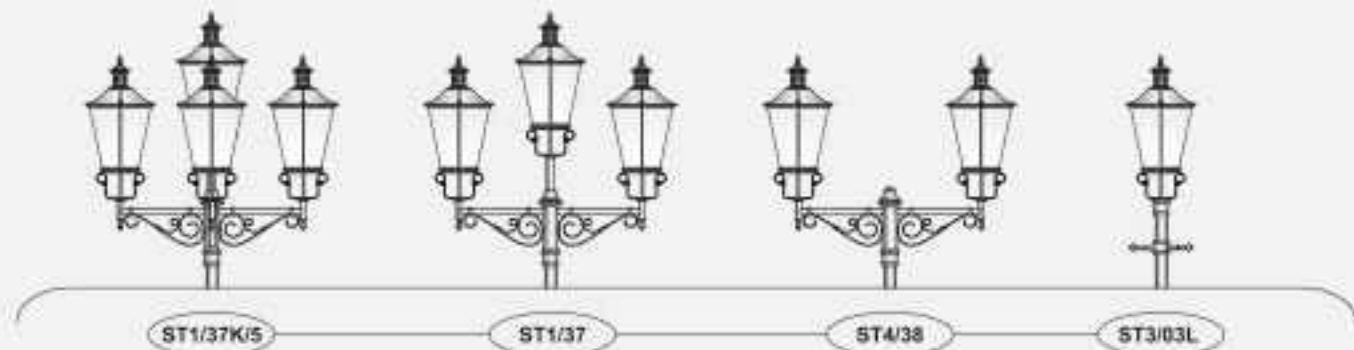
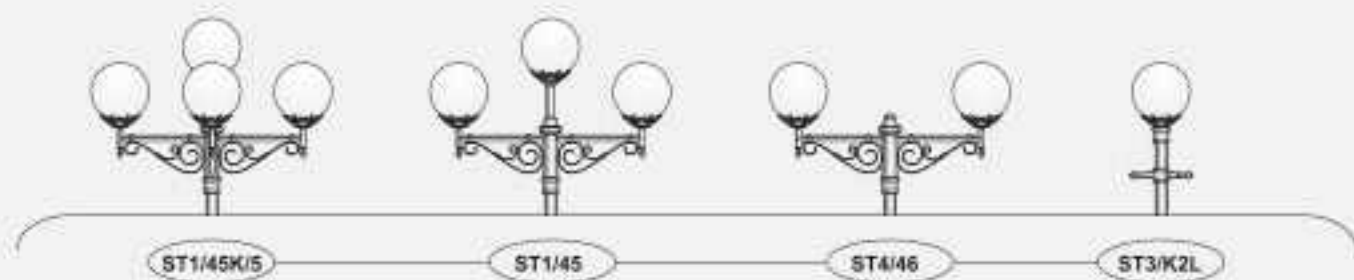


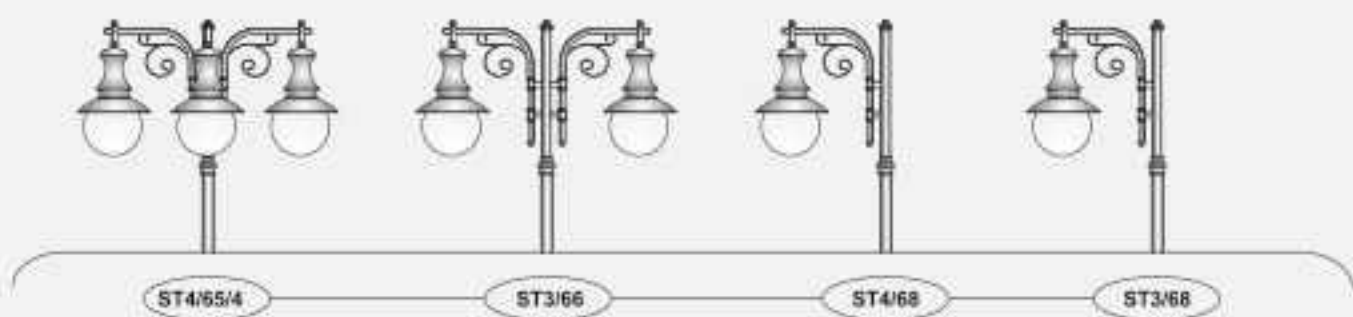
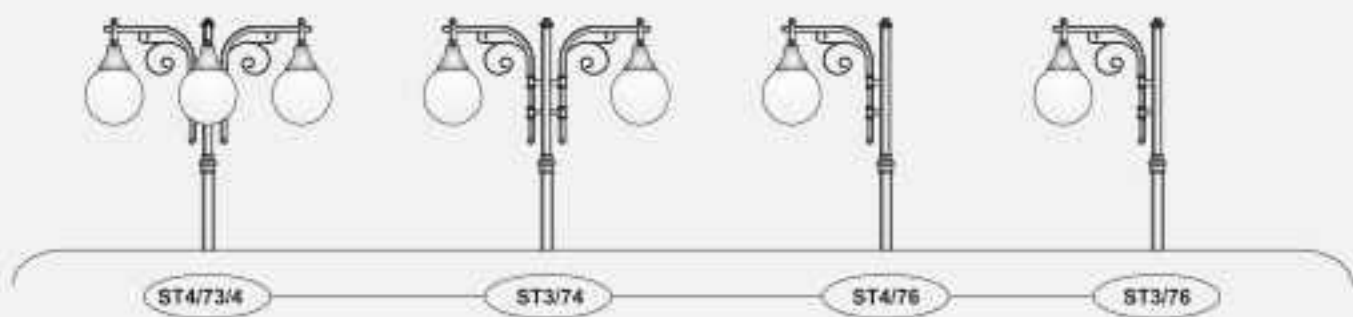
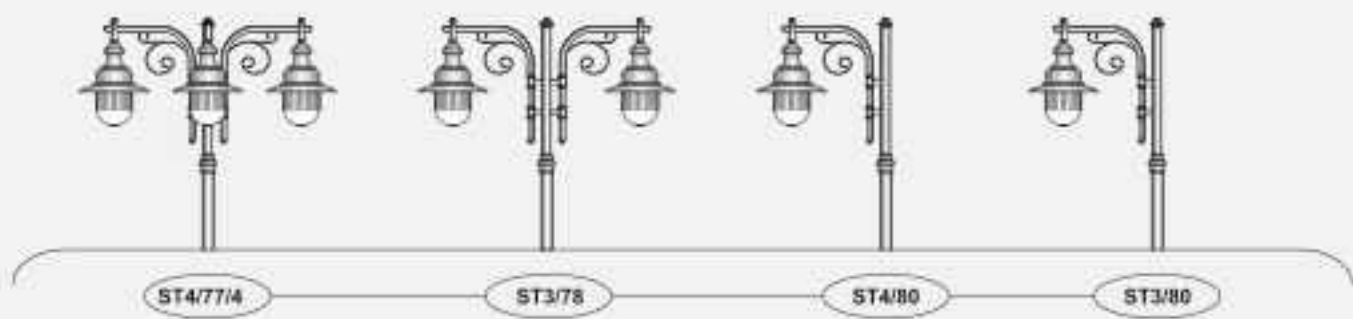
ST1/03G

4 m →

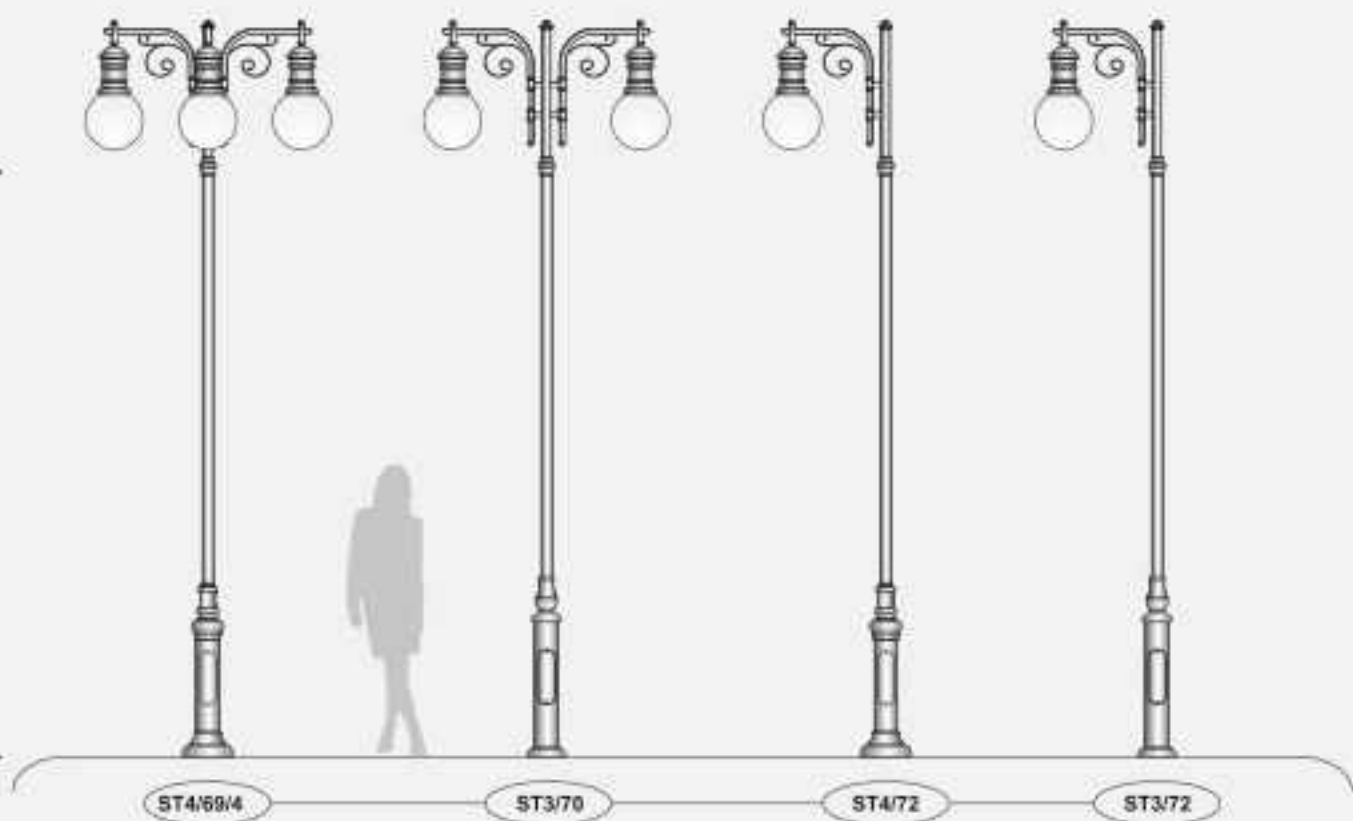
0 m →



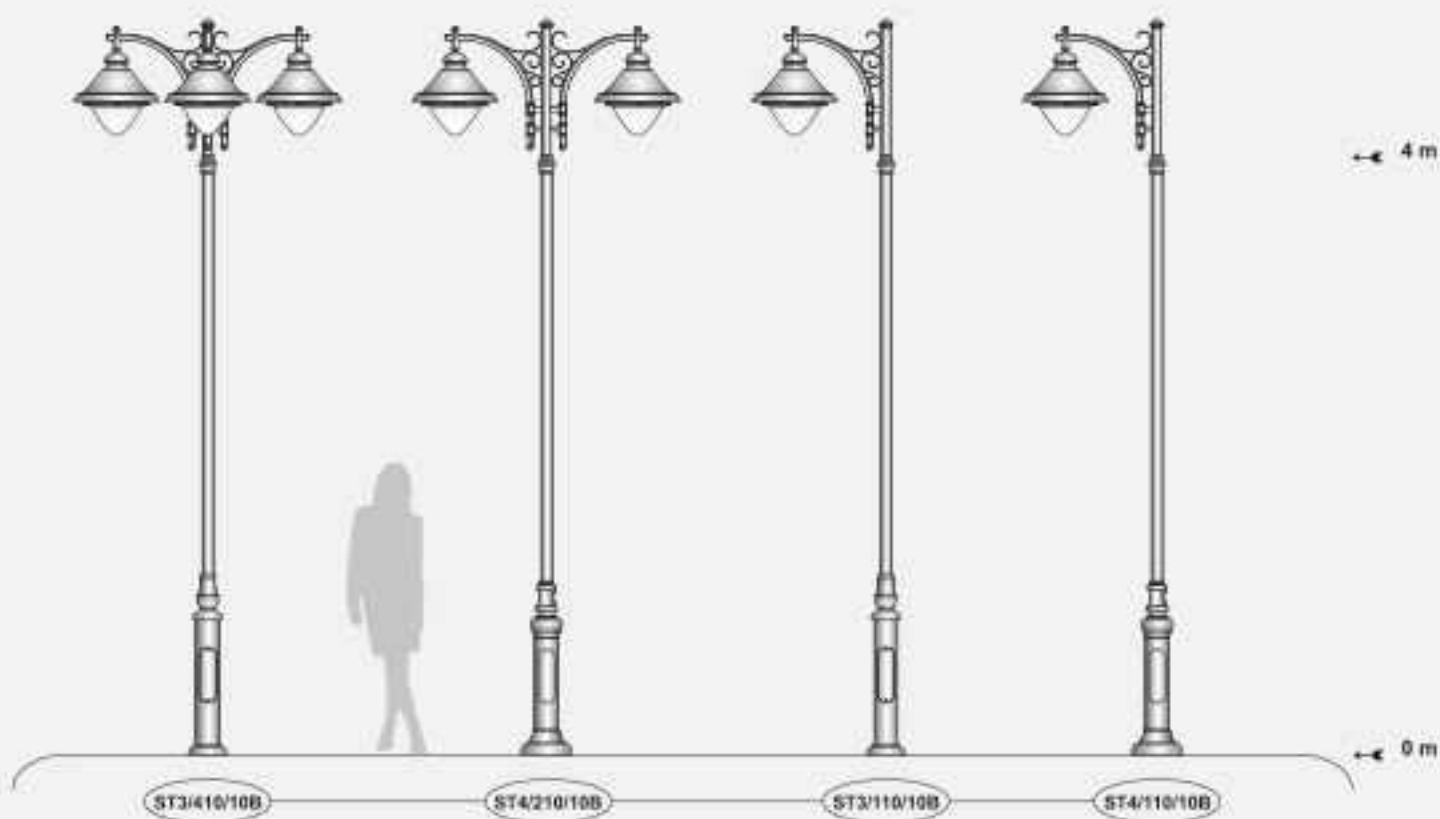
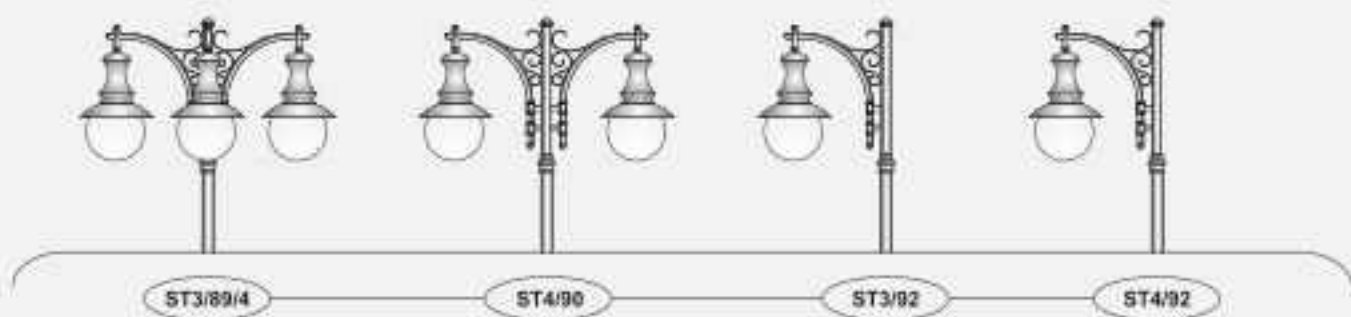
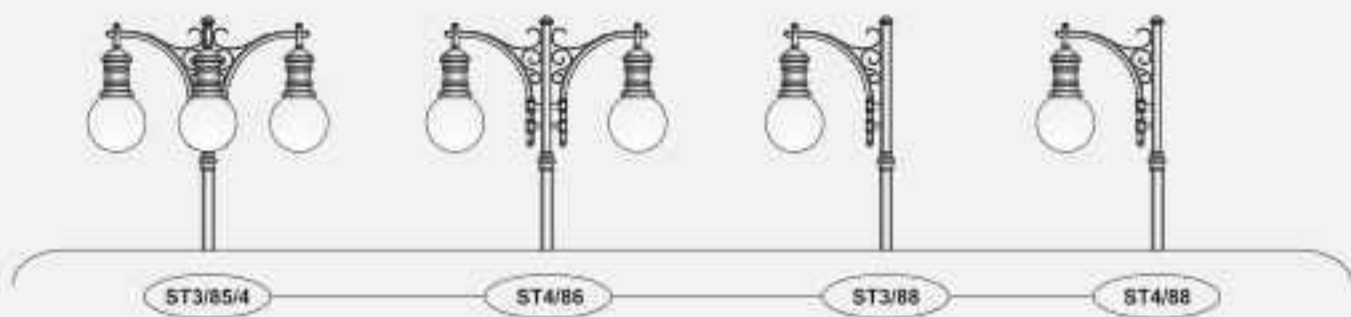
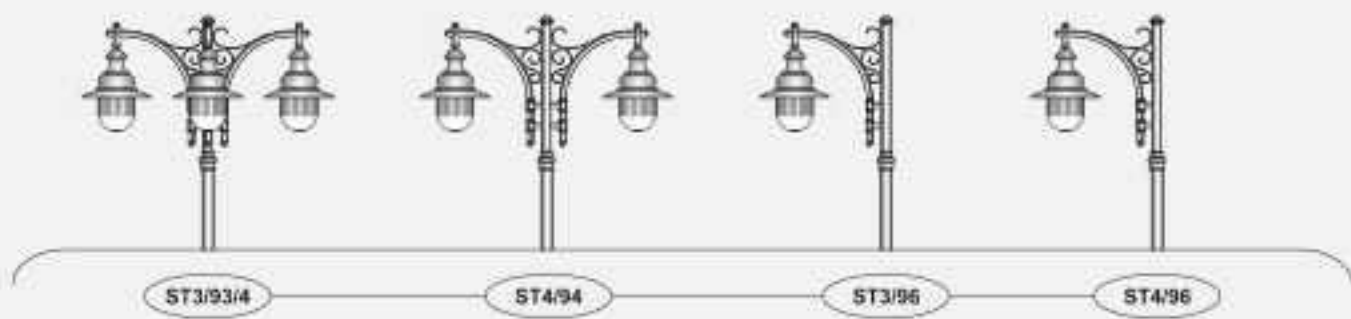


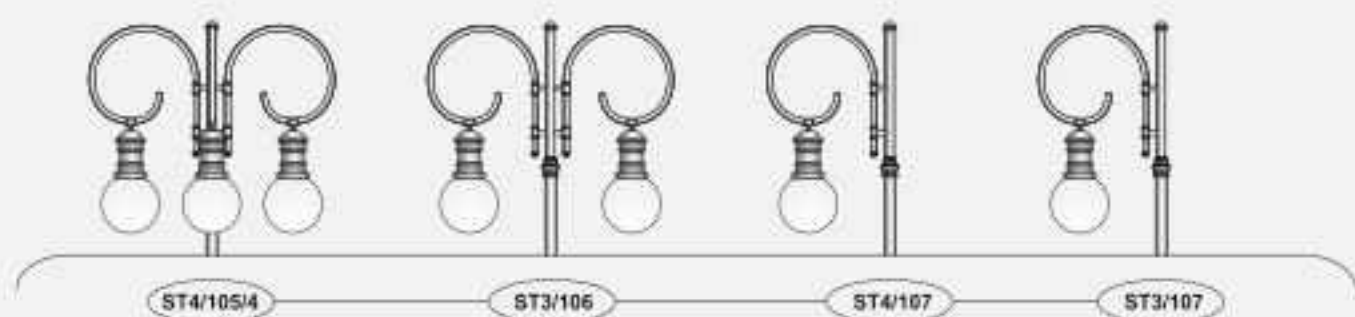
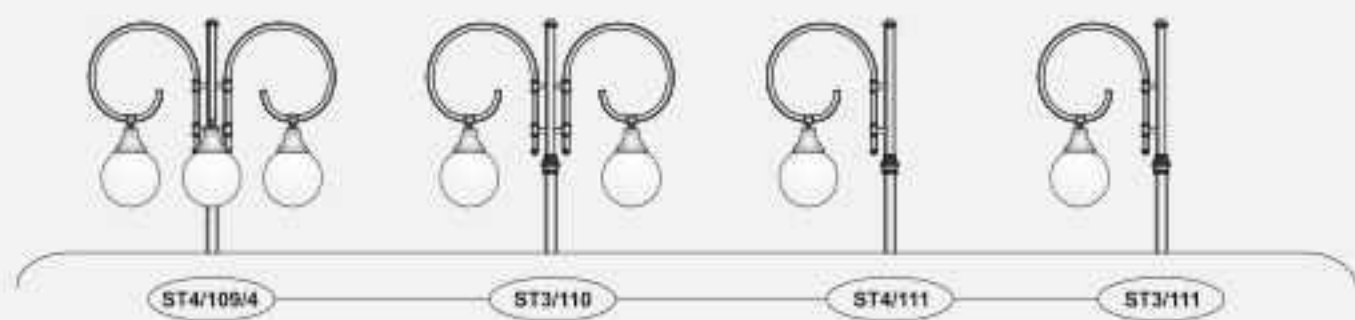


4 m →



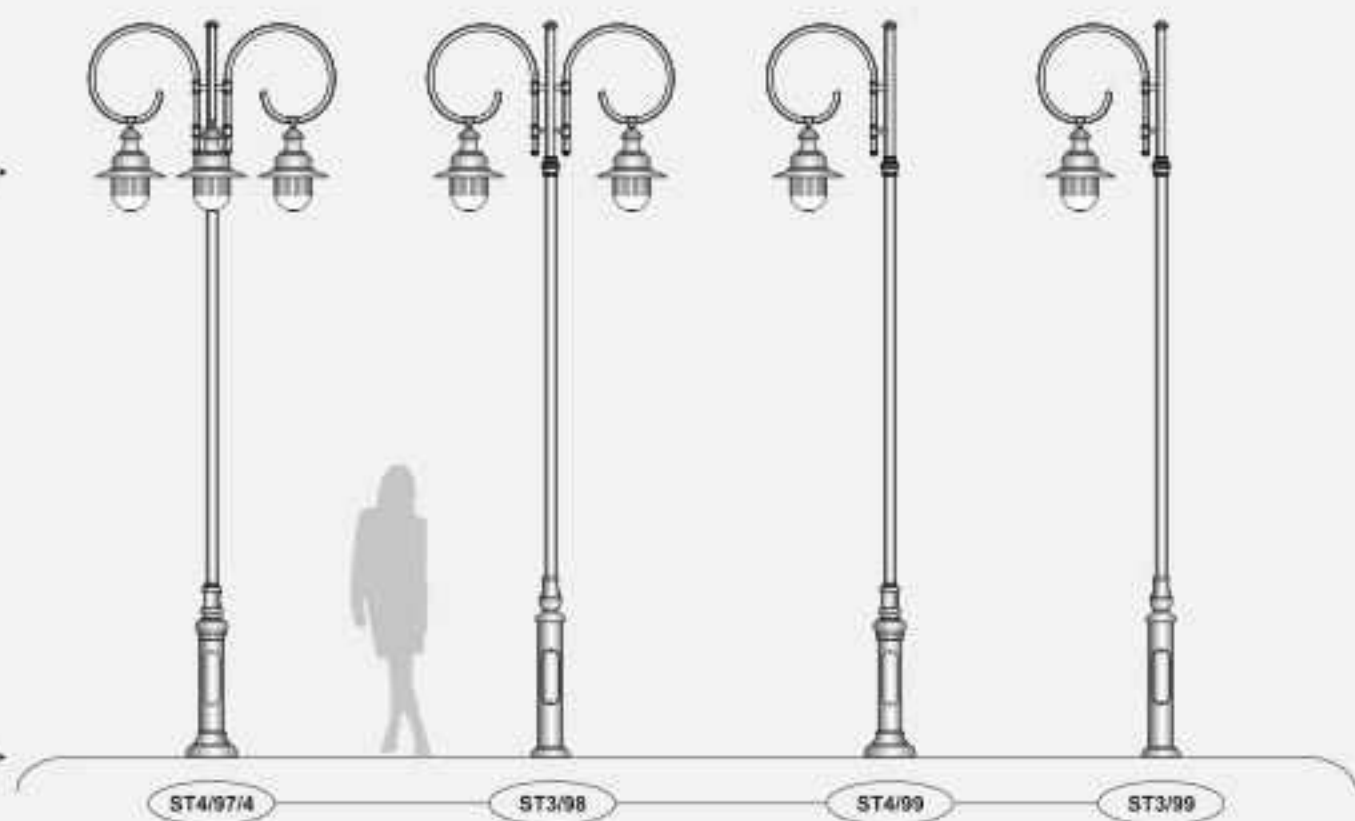
0 m →

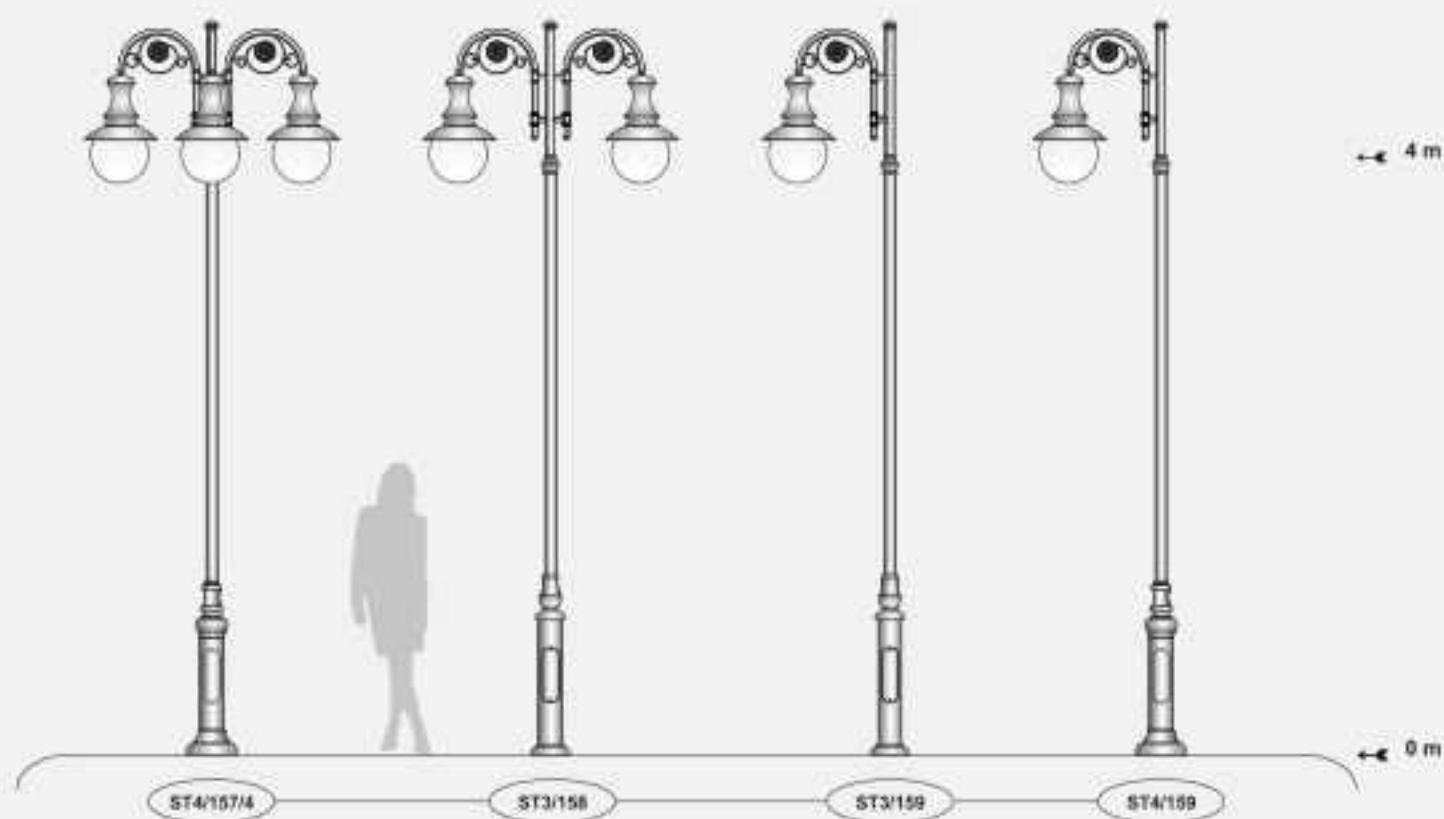
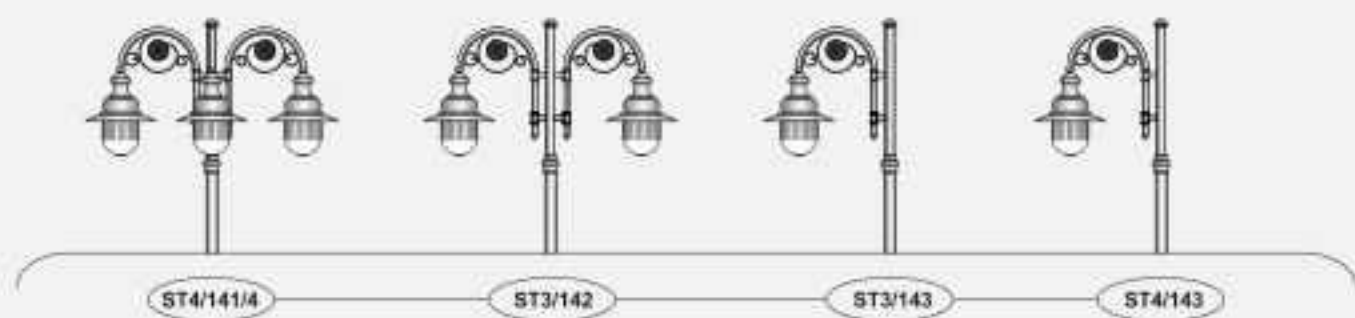
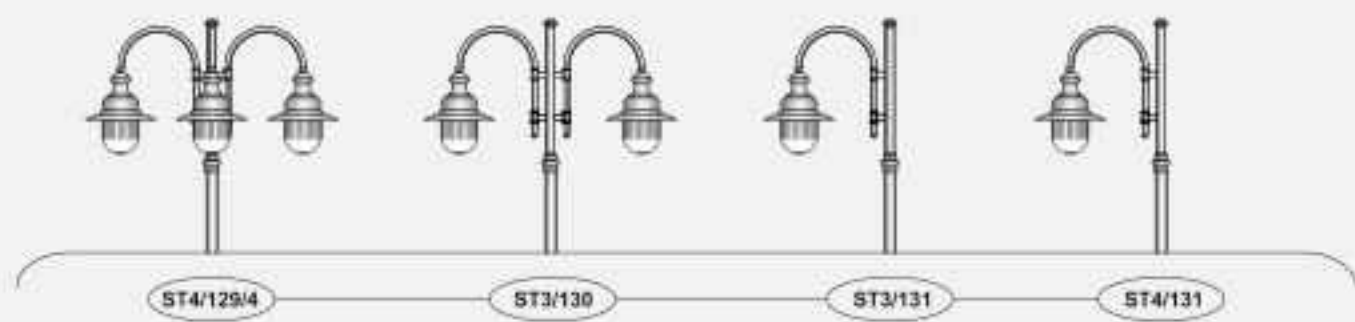




4 m →

0 m →







ST3/161/4



ST4/162



ST3/163



ST4/163



ST3/177/4



ST4/178



ST3/179



ST4/179



ST3/450



ST4/451



ST3/452



ST4/452

4 m →



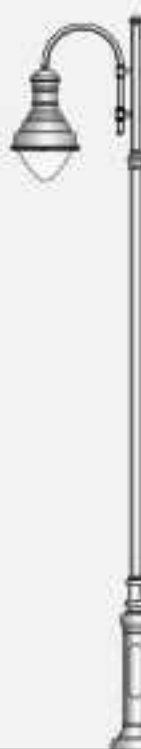
ST3/453



ST4/454



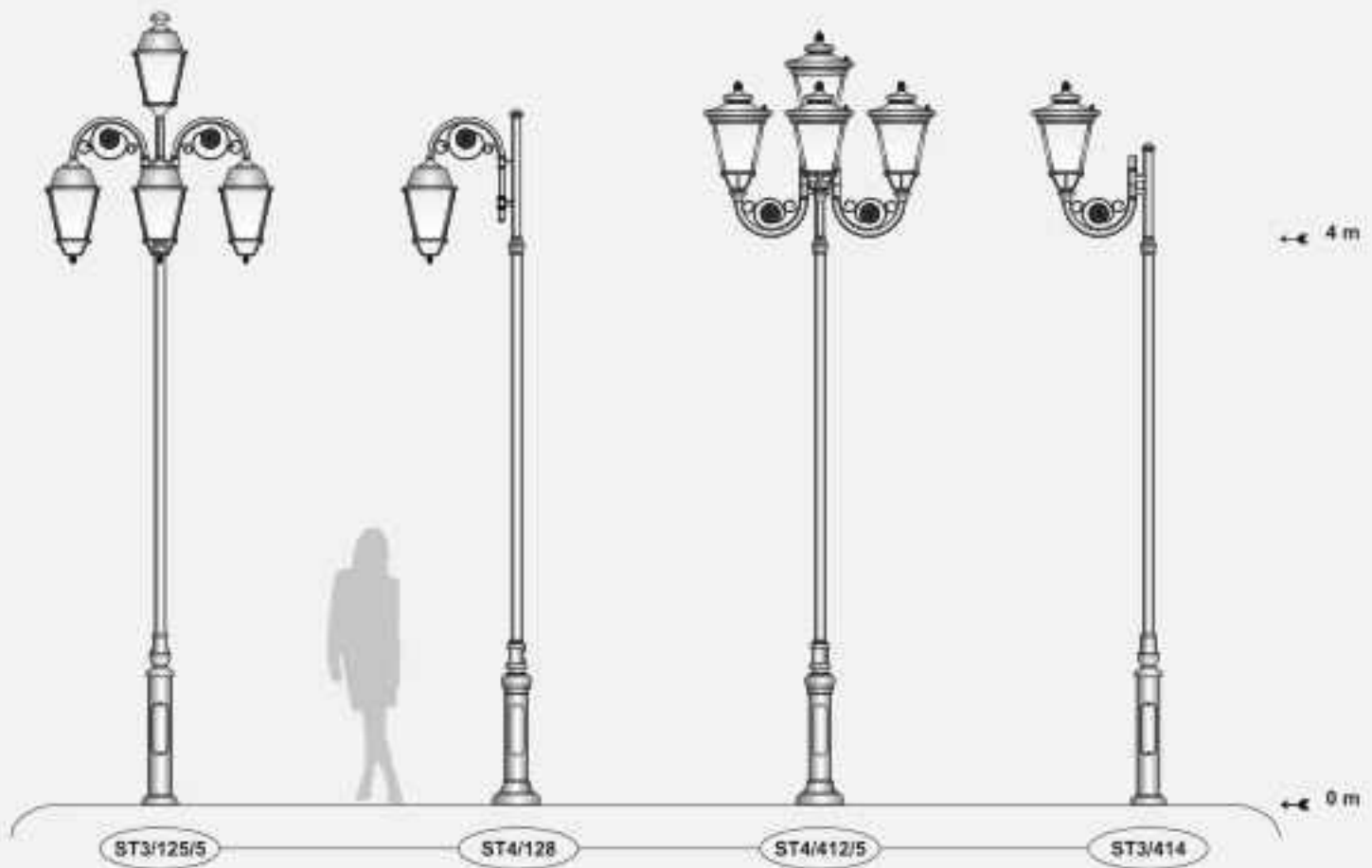
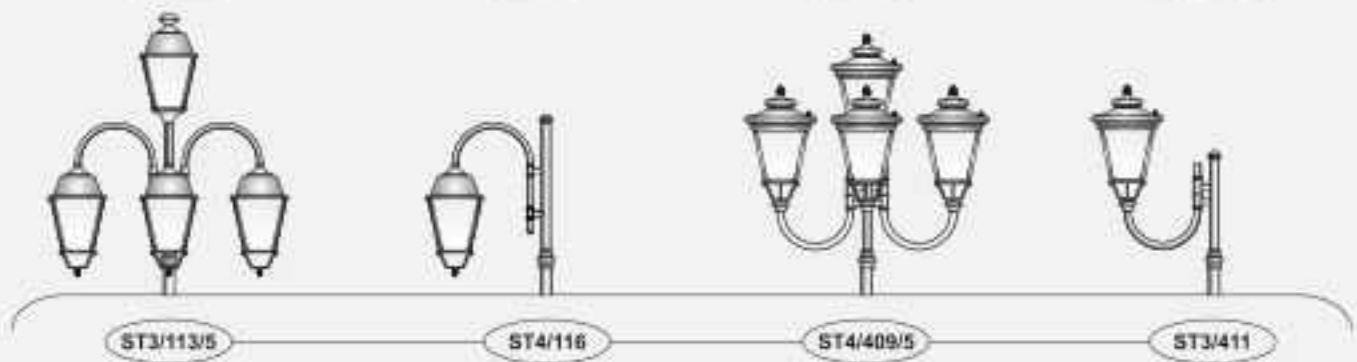
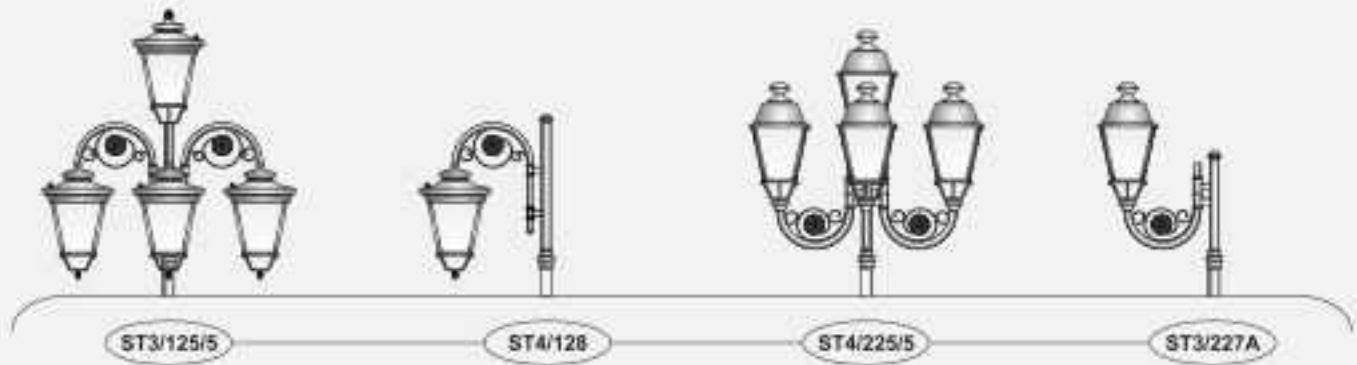
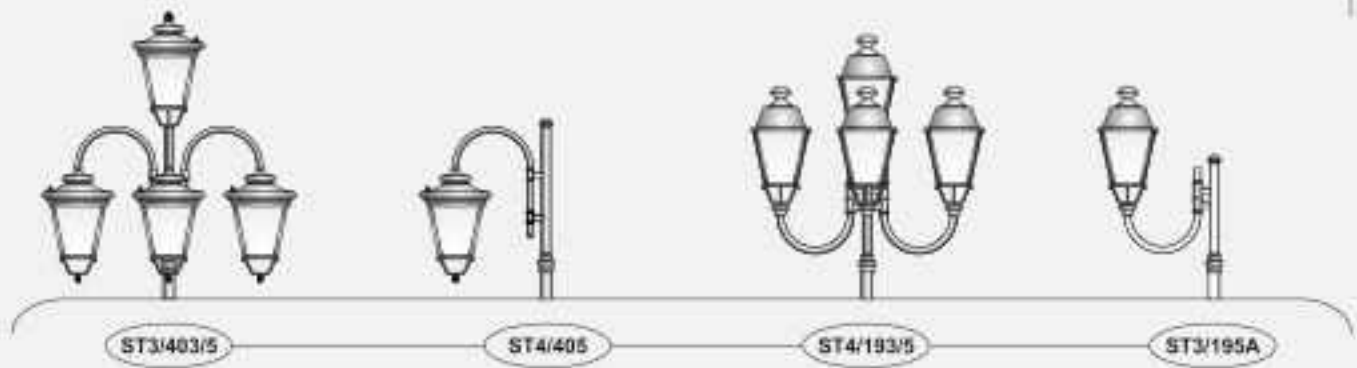
ST3/455

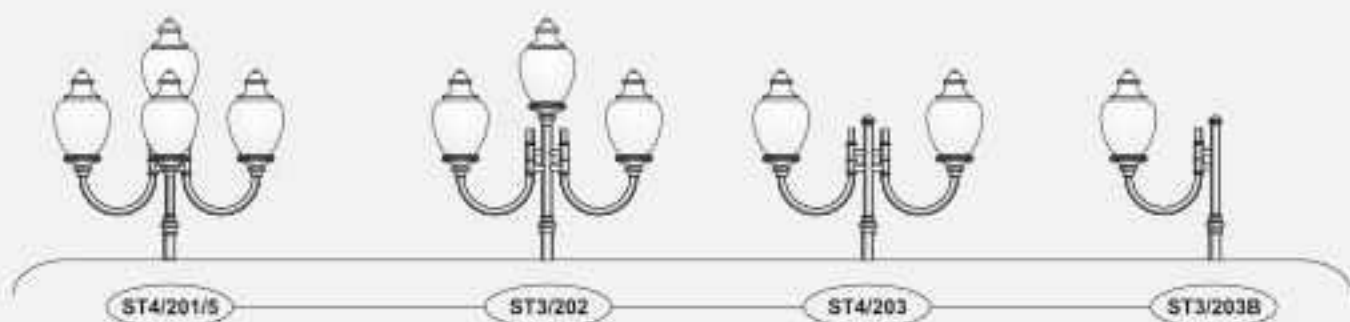
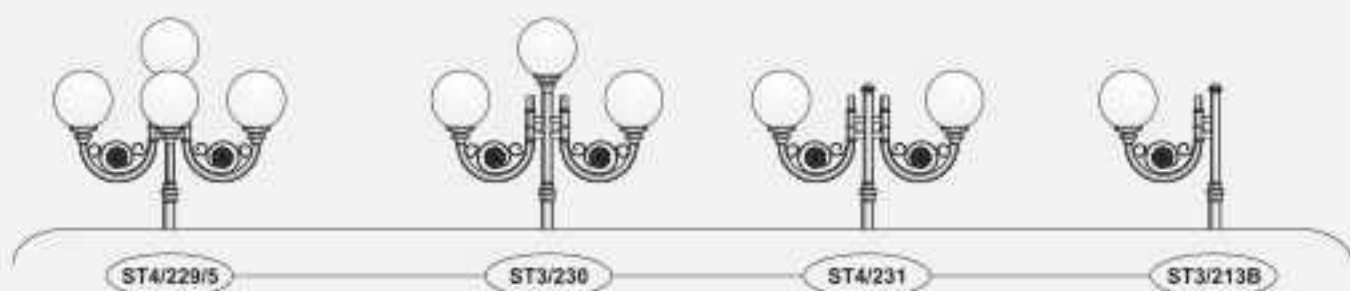
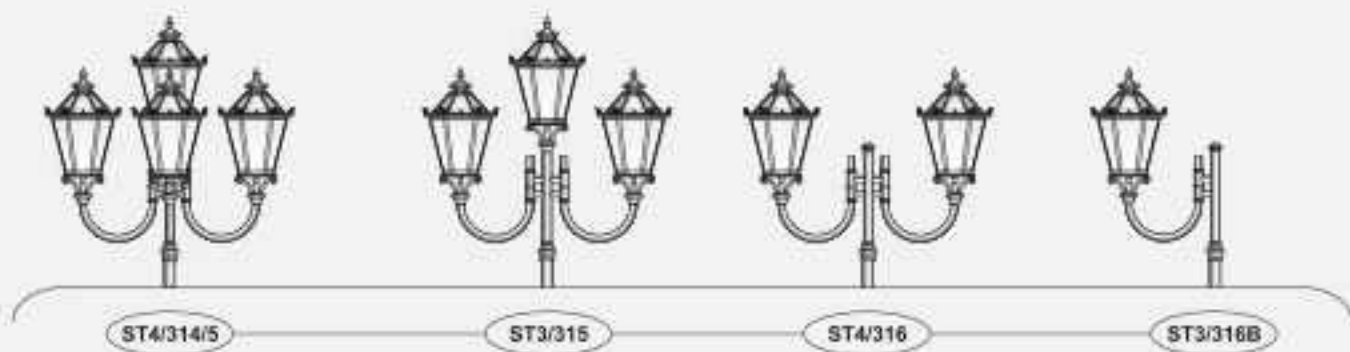


ST4/455

0 m →

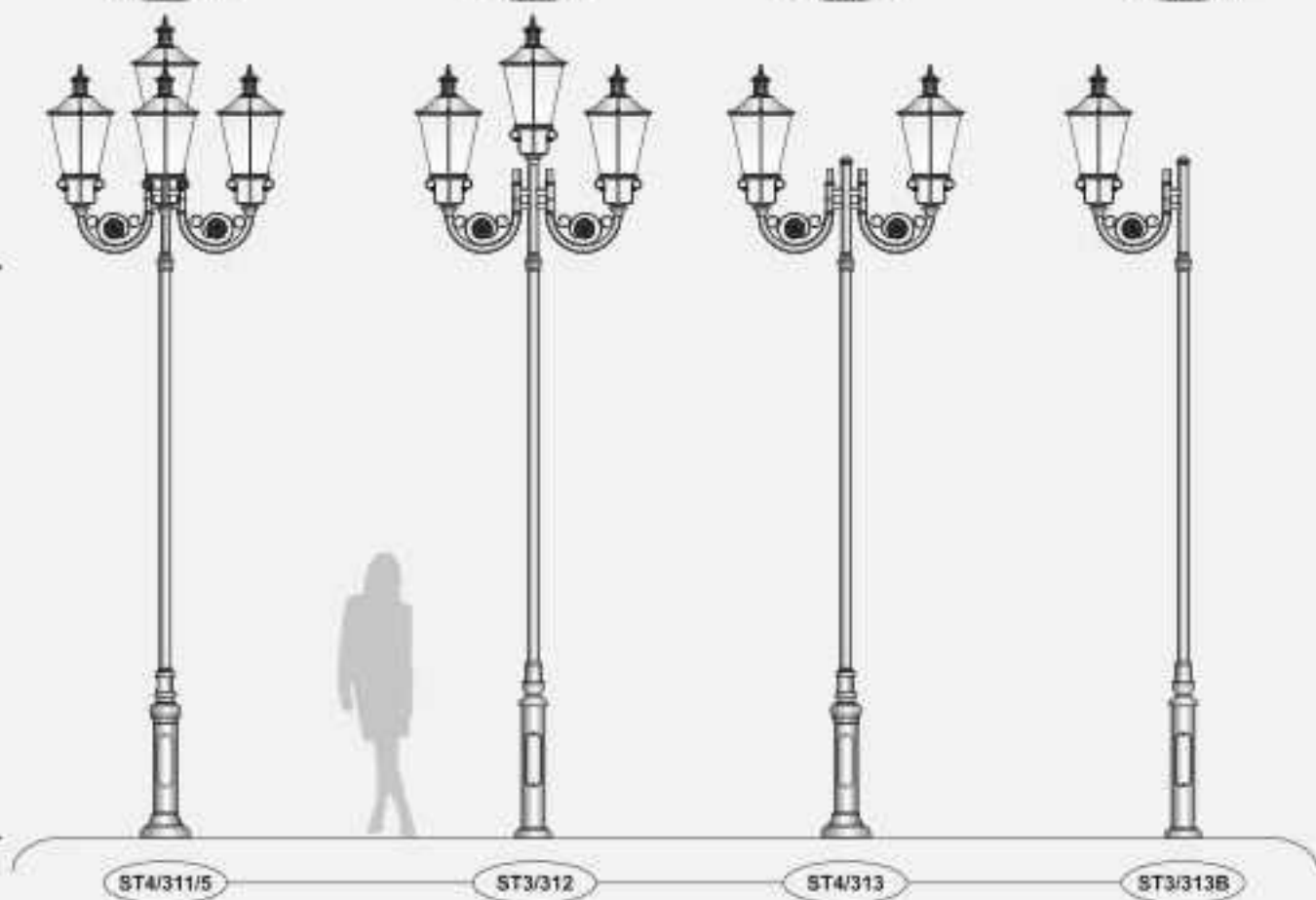


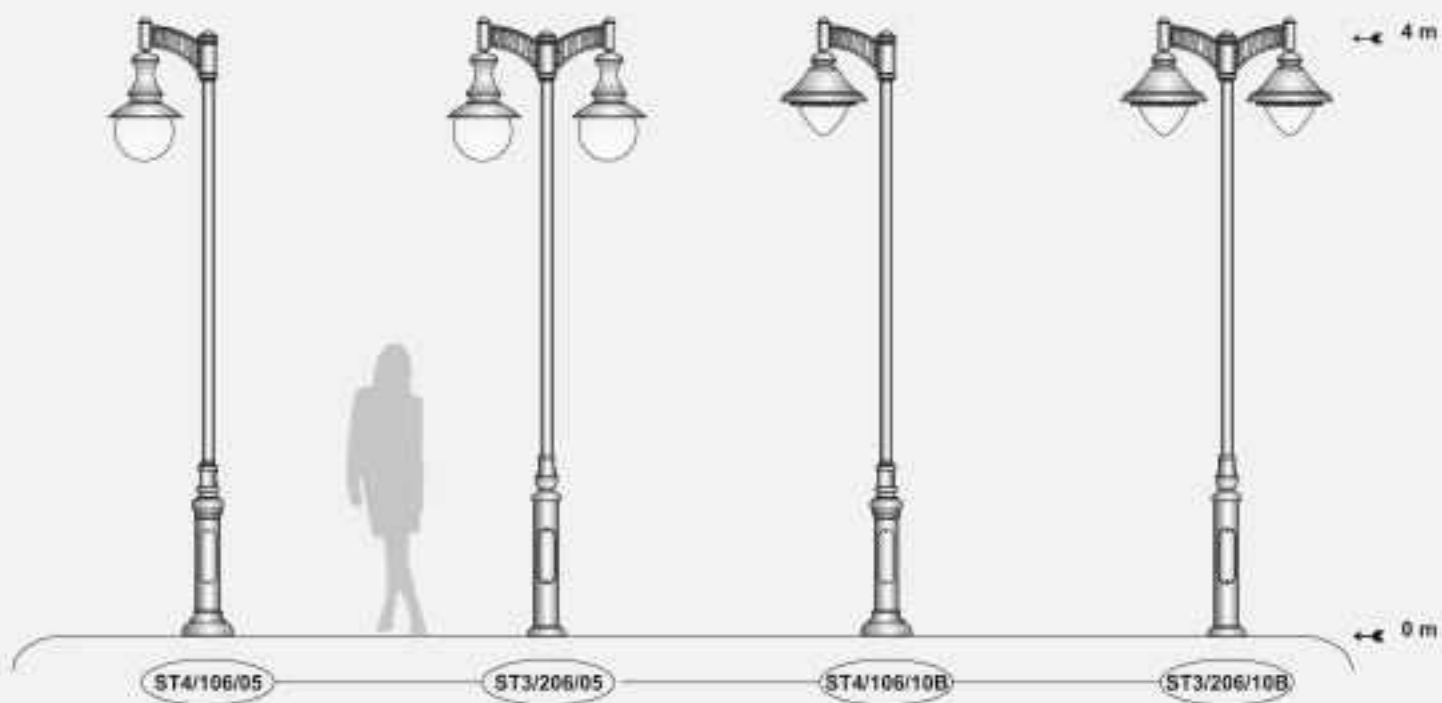
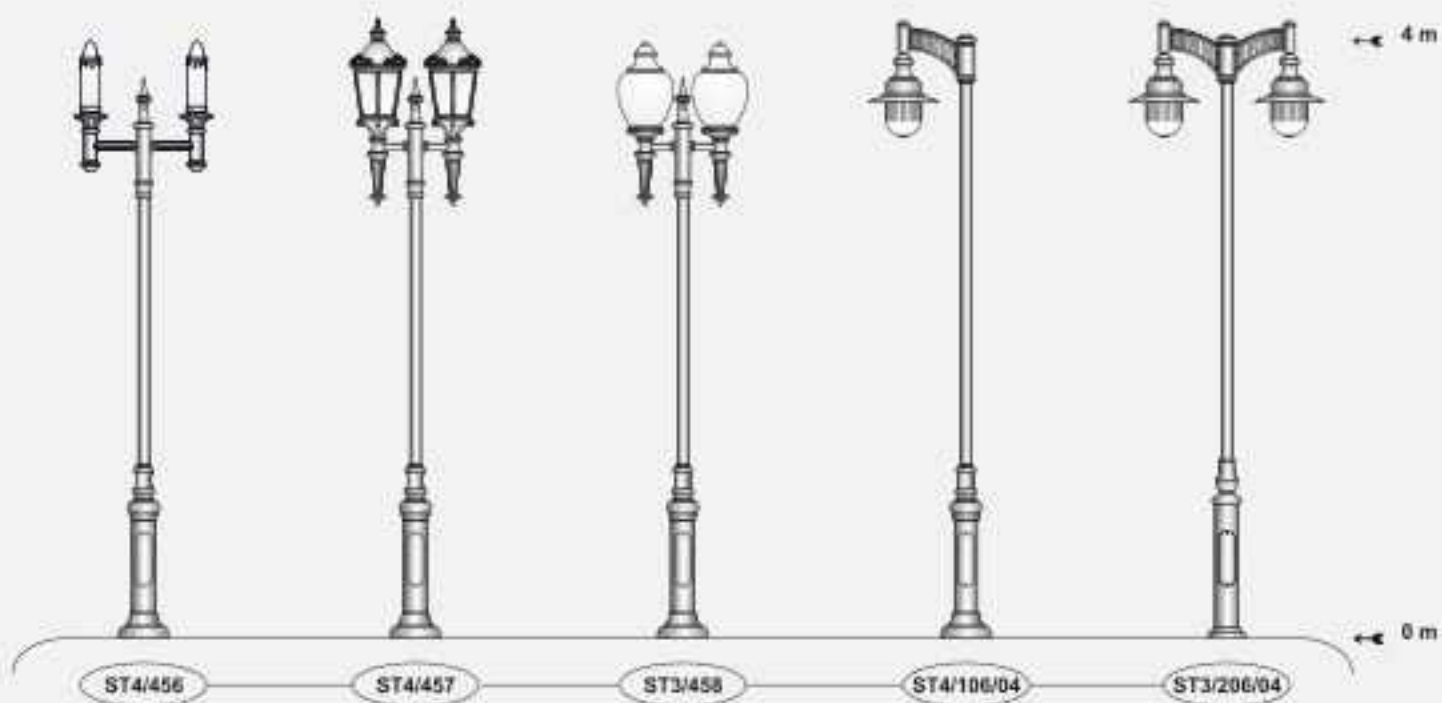


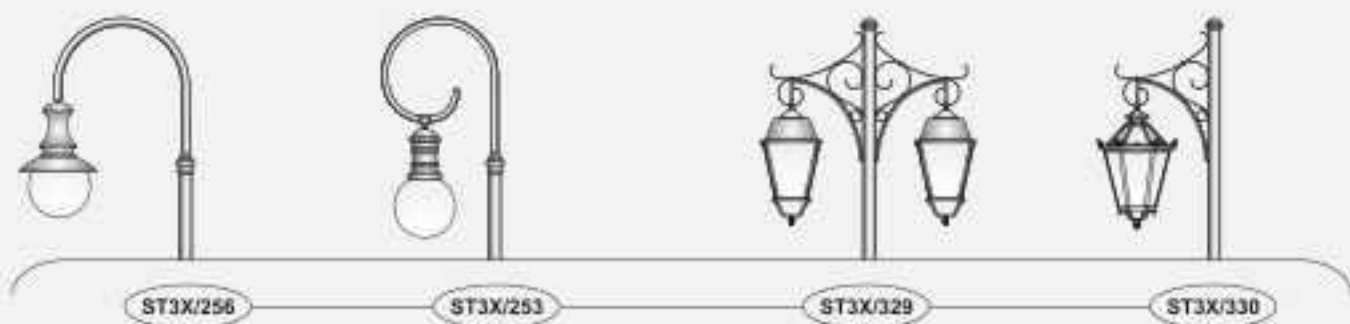


4 m →

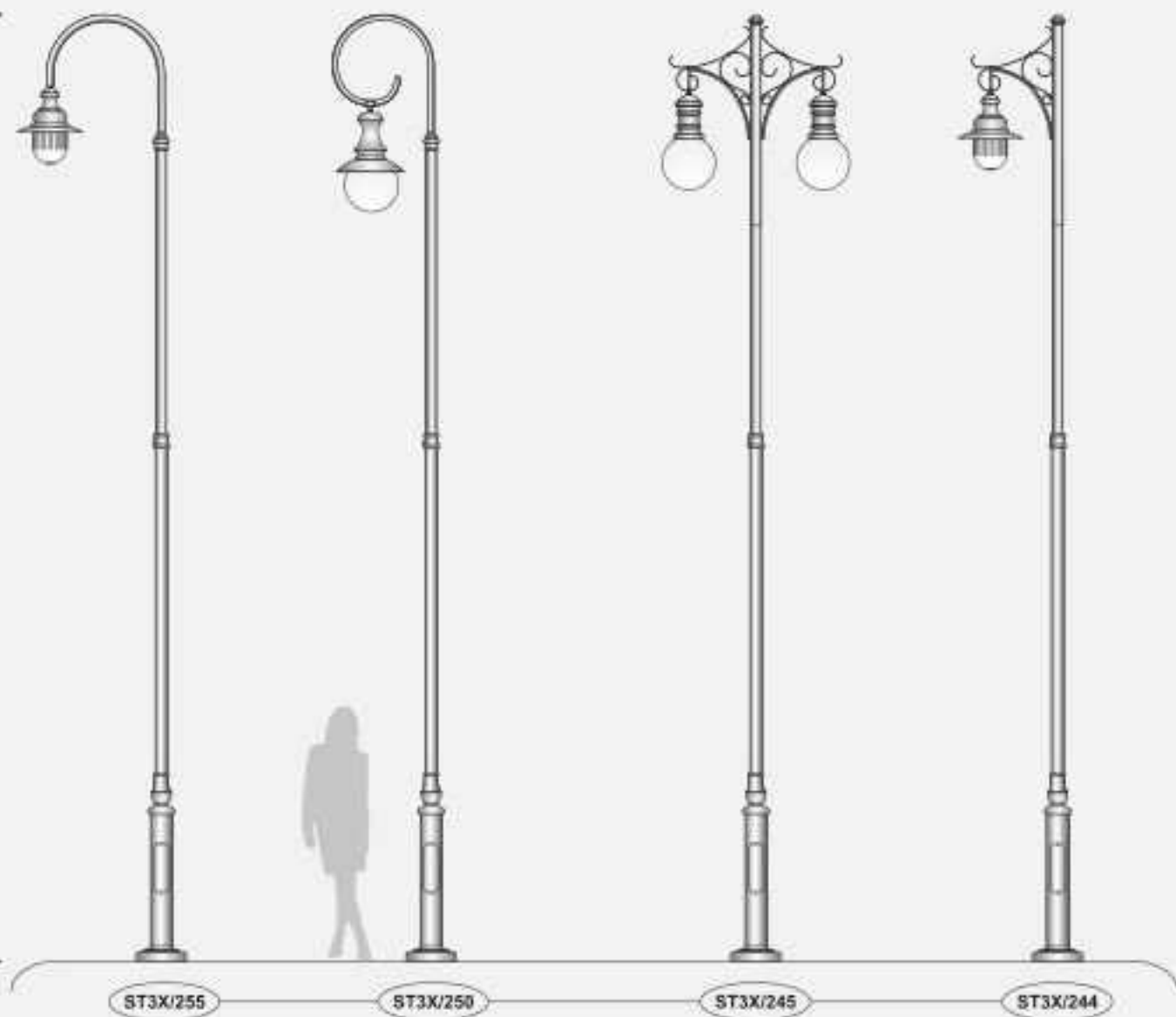
0 m →







7 m →

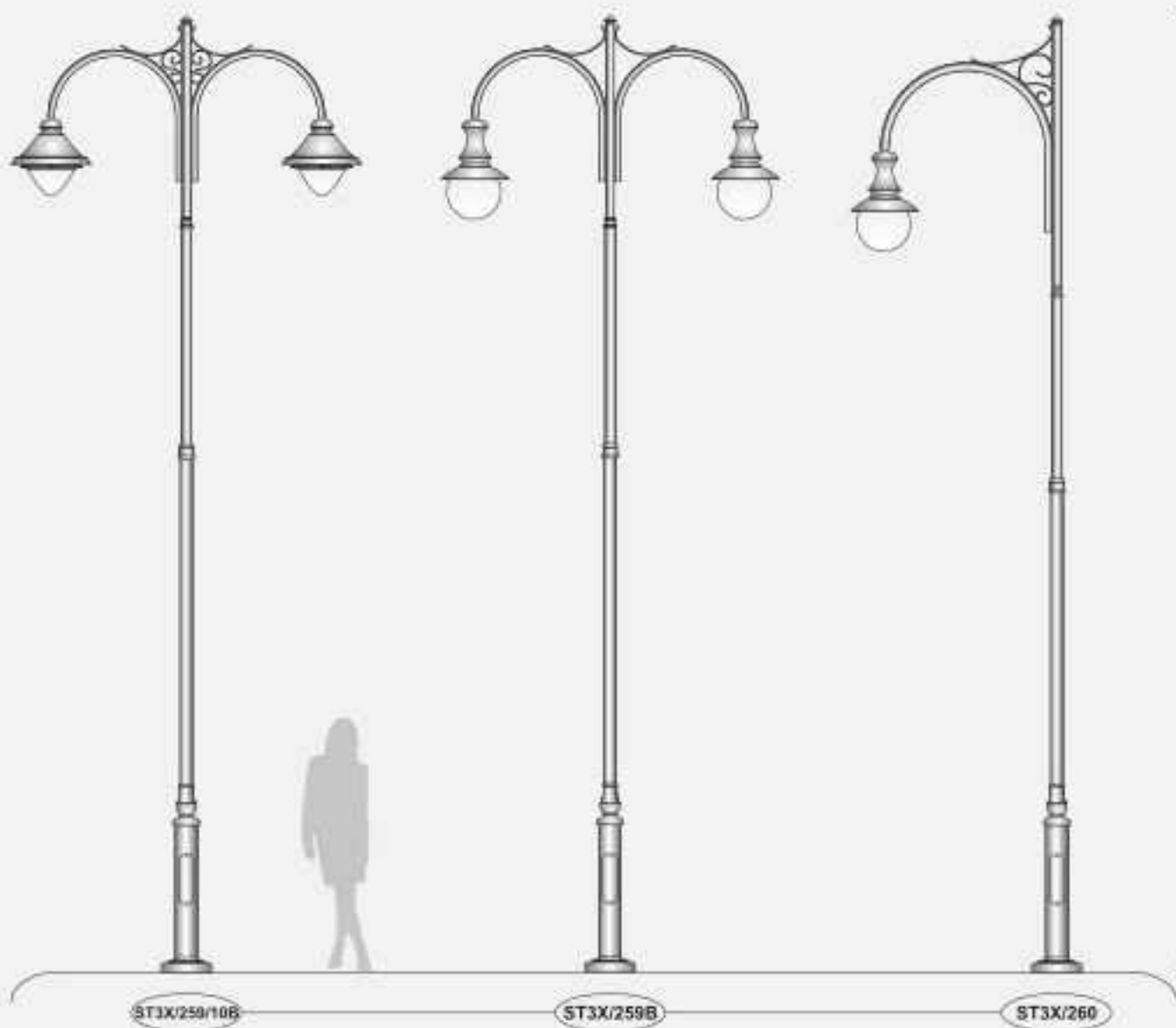


latarnie typu ST

STYLE STREETLIGHTS, TYPE "ST"



59

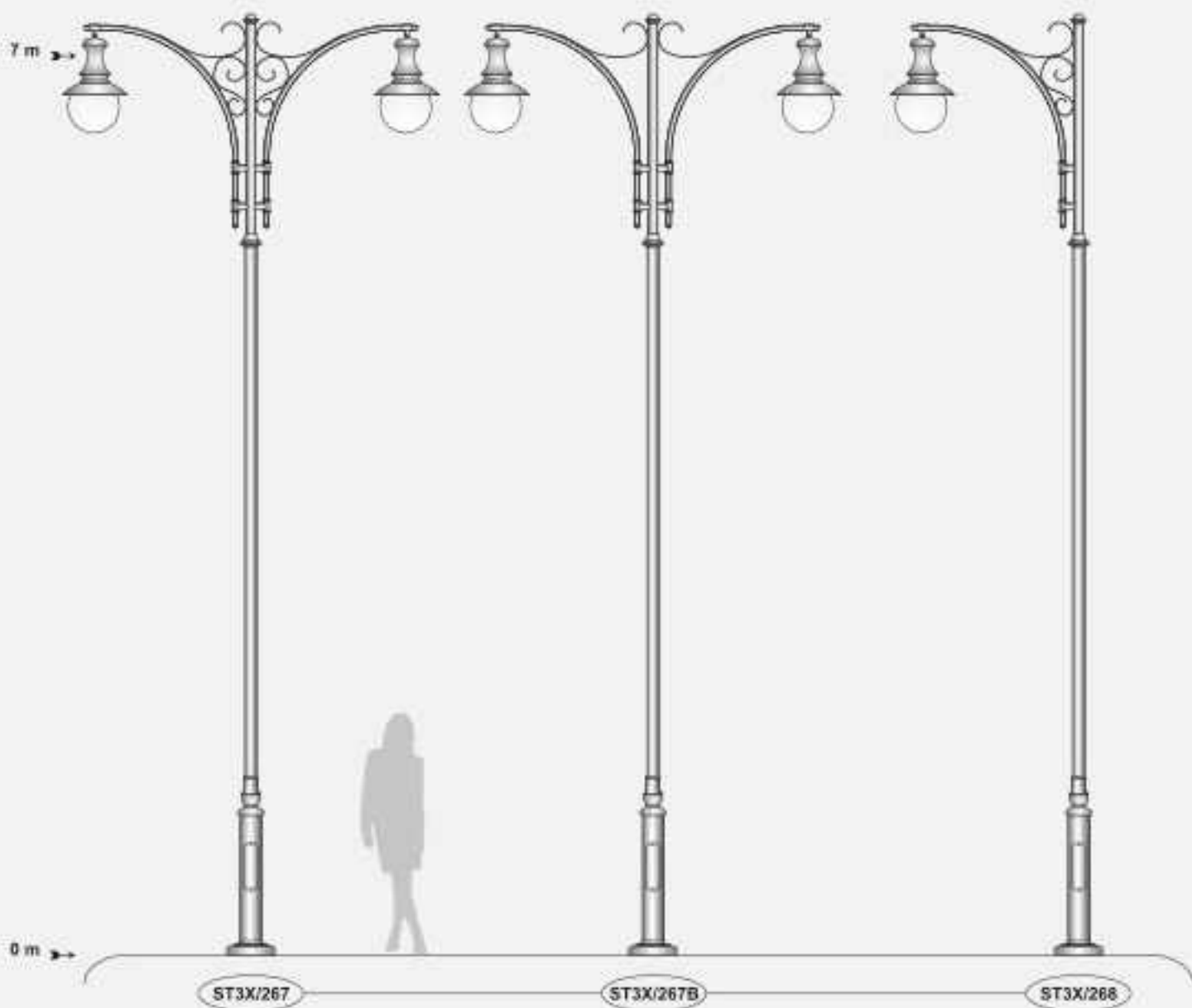
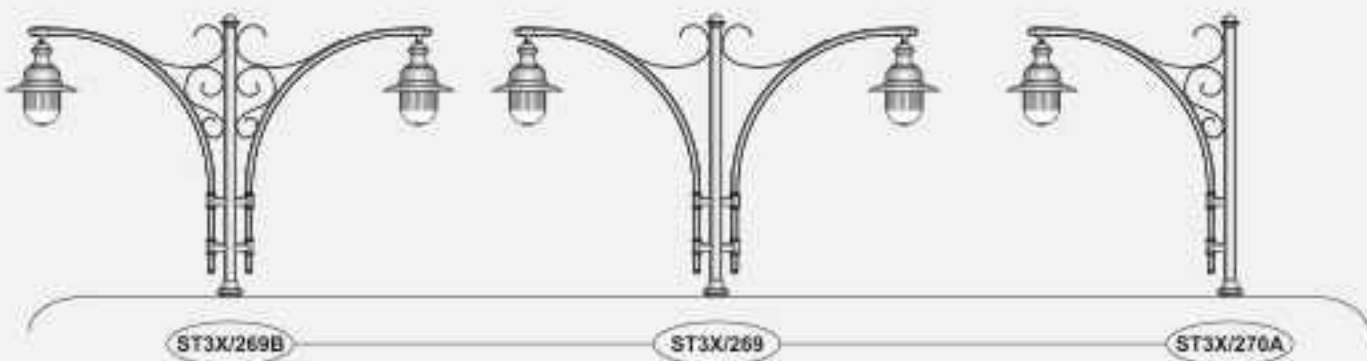
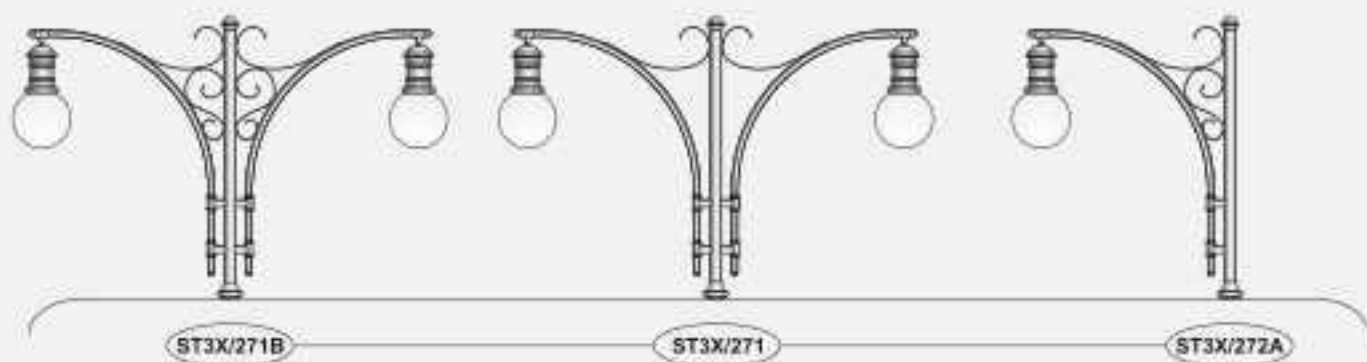


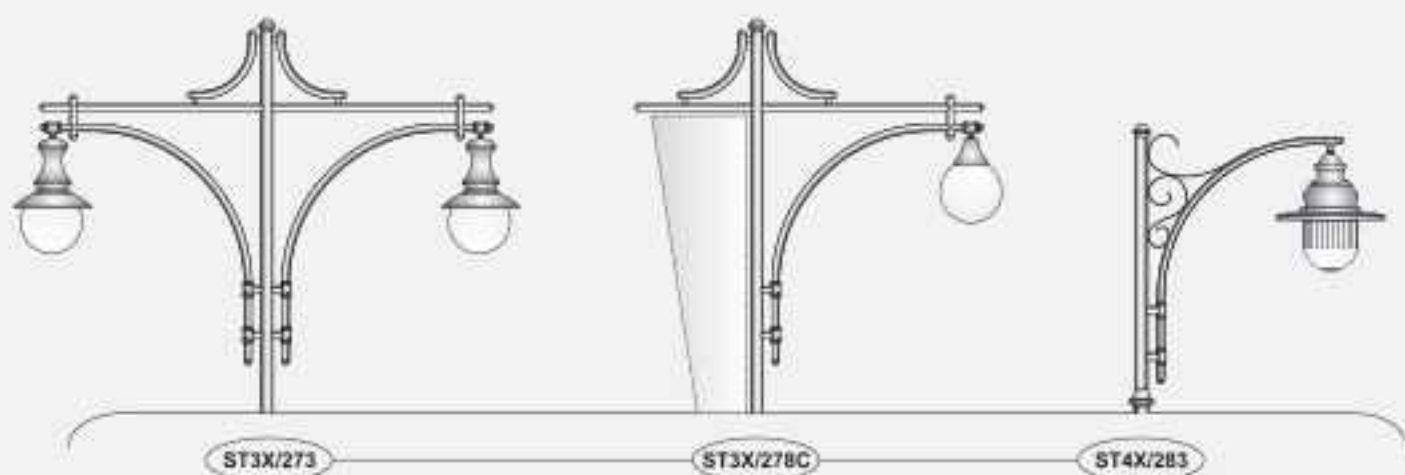


latarnie typu ST

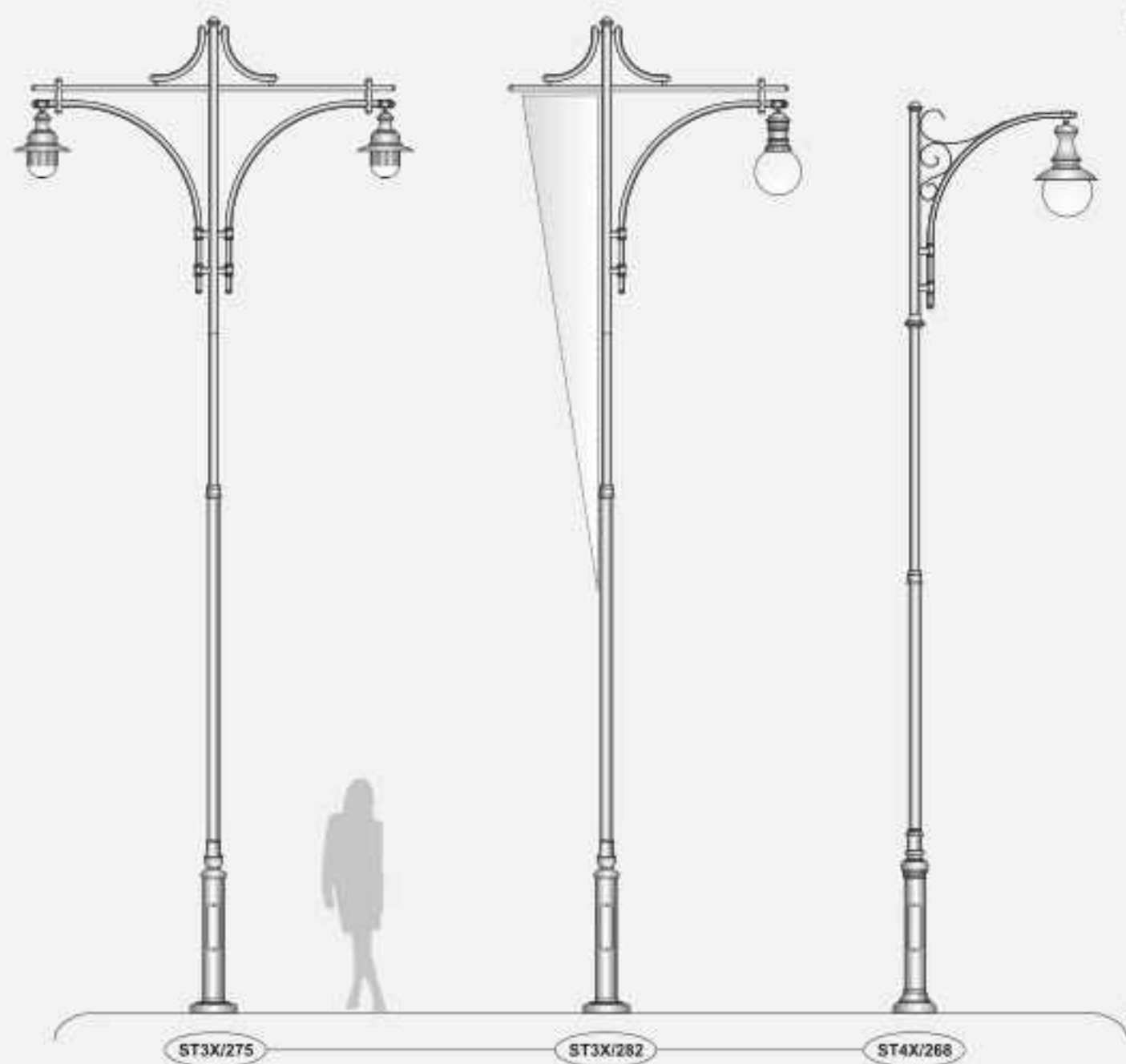
STYLE STREETLIGHTS, TYPE "ST"

60

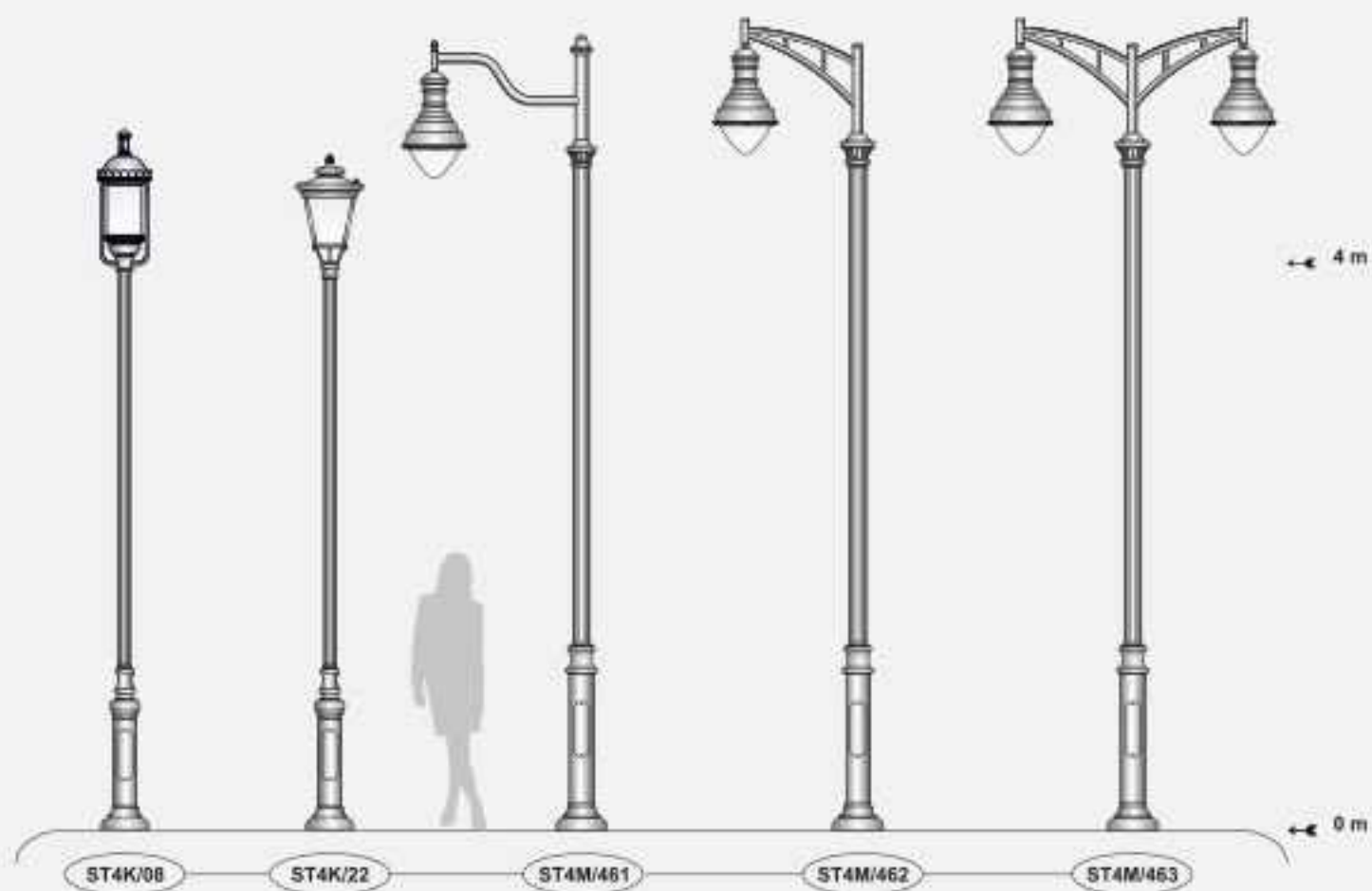
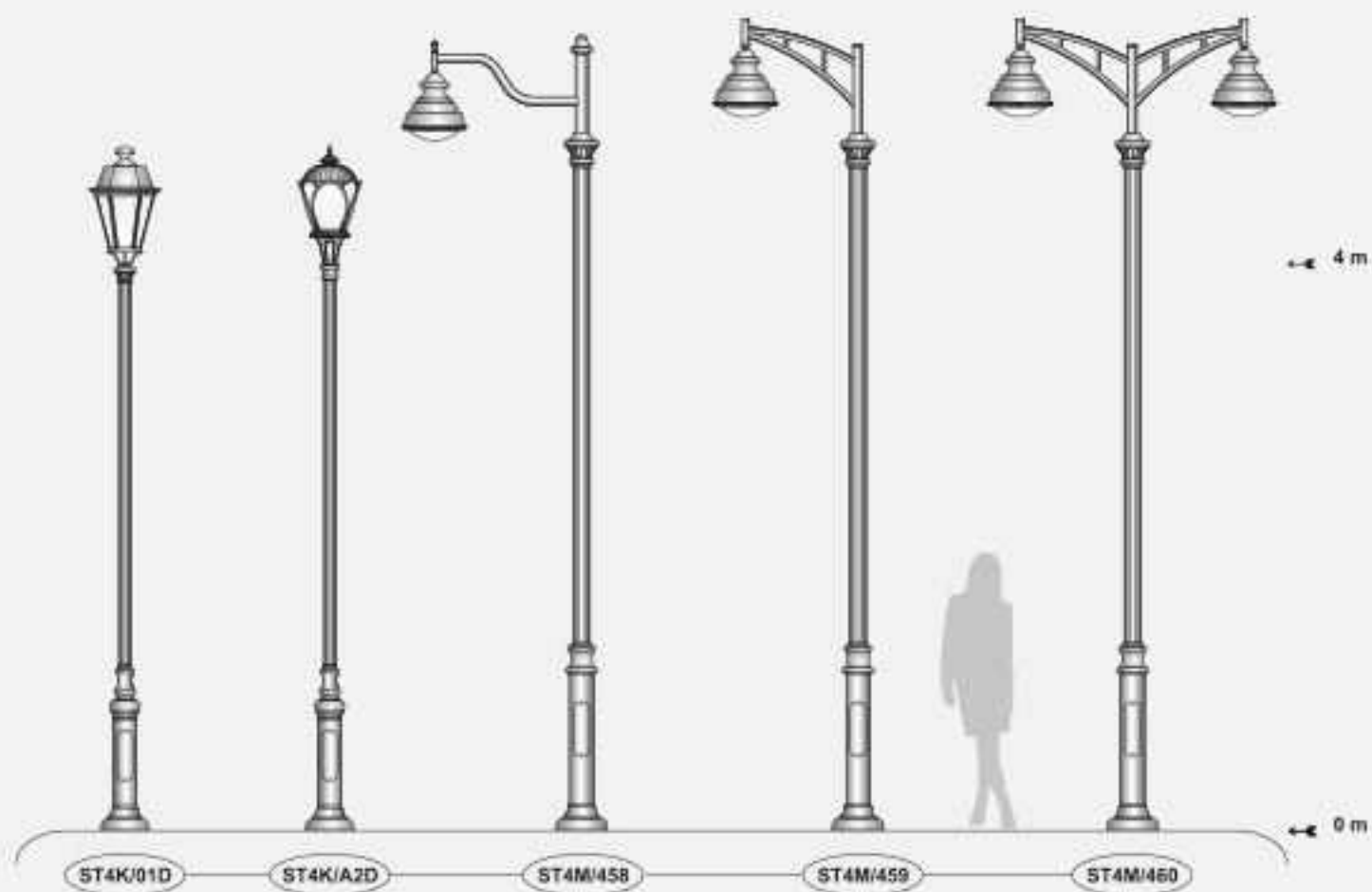




← 8 m



← 0 m





LAĪARNIE tipu L

WYDZIAŁ ŁAĪARNI I OŚWIŚLENIA
UL. STUBSU 6/10

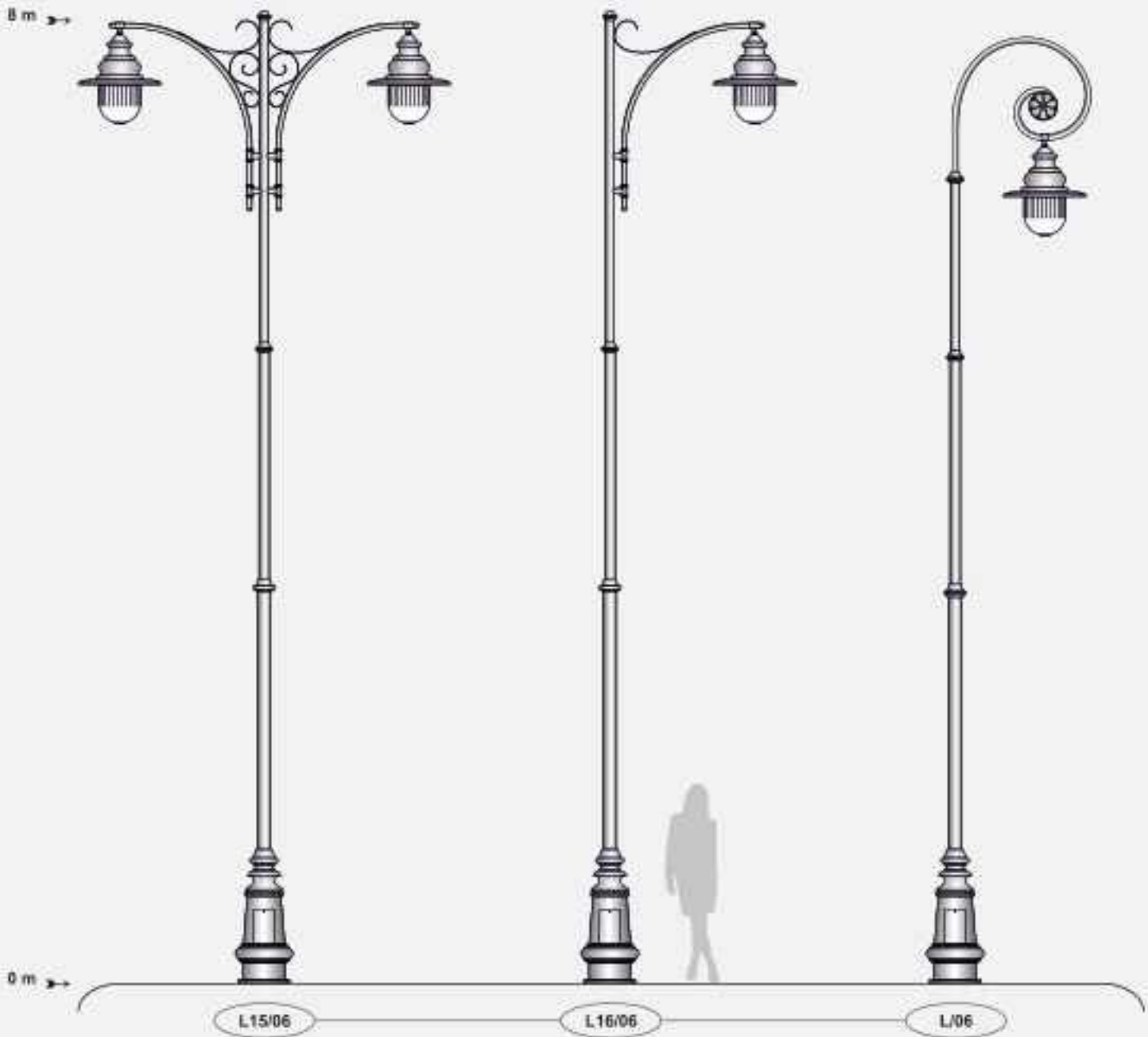
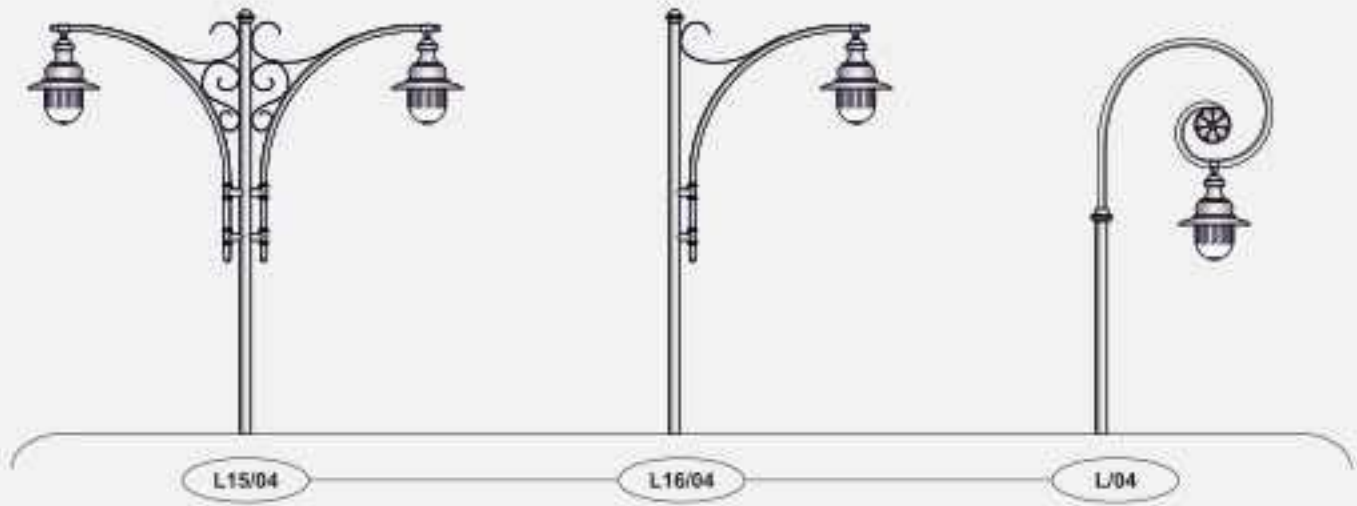
L
M



latarnie typu L

HIGH STREETLIGHTS, TYPE "L"

64

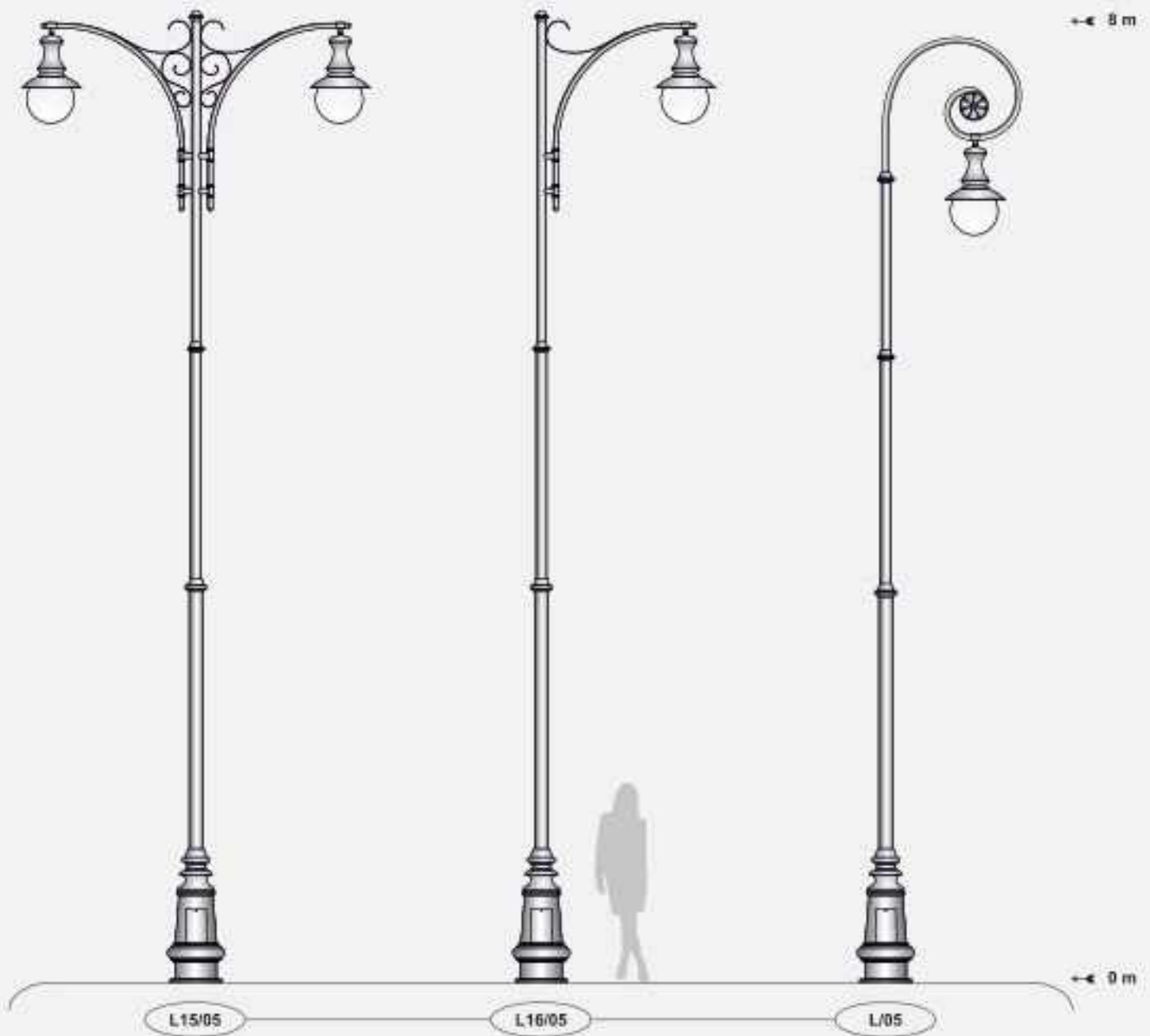


latarnie typu L

HIGH STREETLIGHTS, TYPE "L"



65





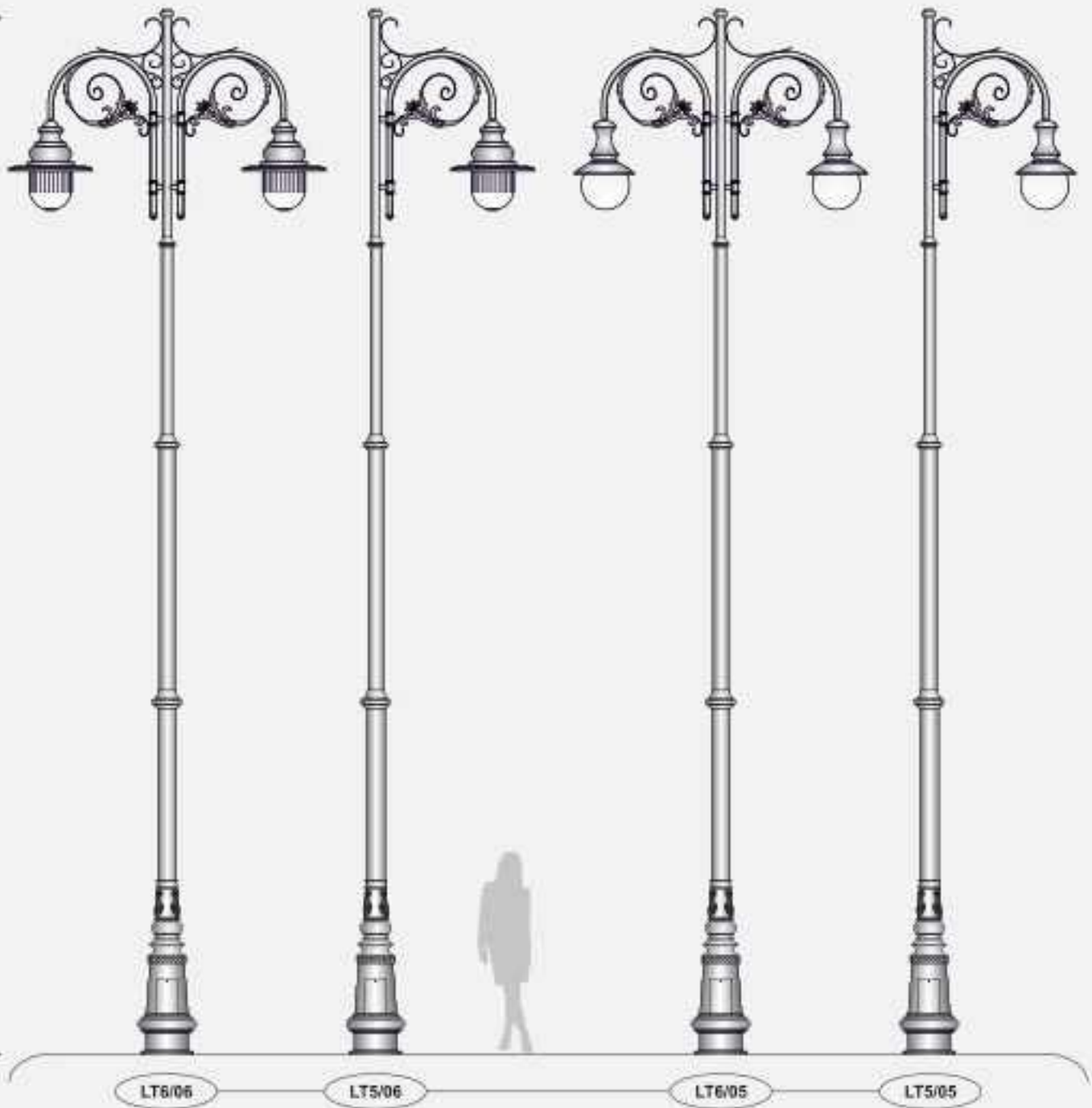
latarnie typu L

HIGH STREETLIGHTS, TYPE "L"

66



9 m →



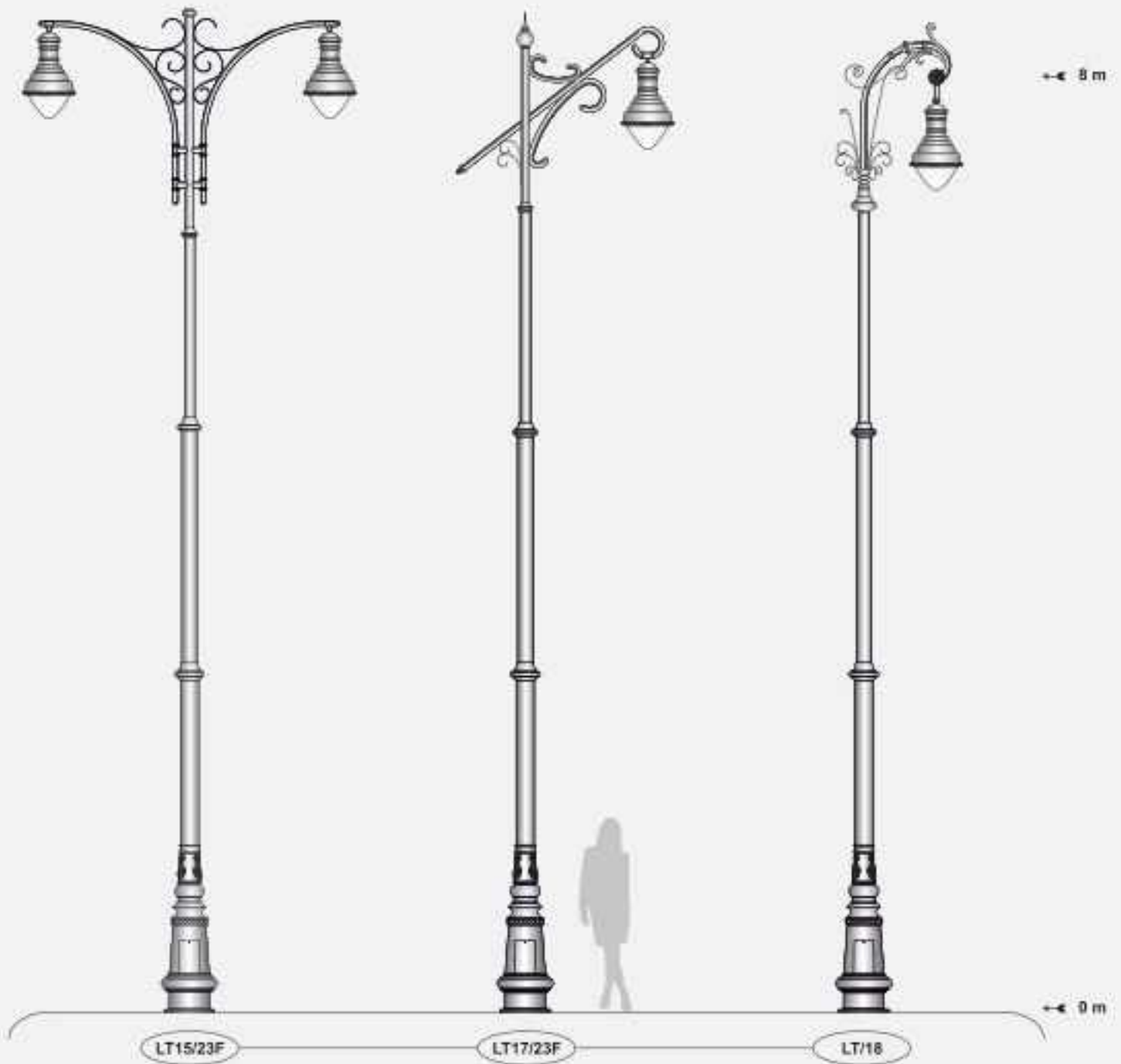
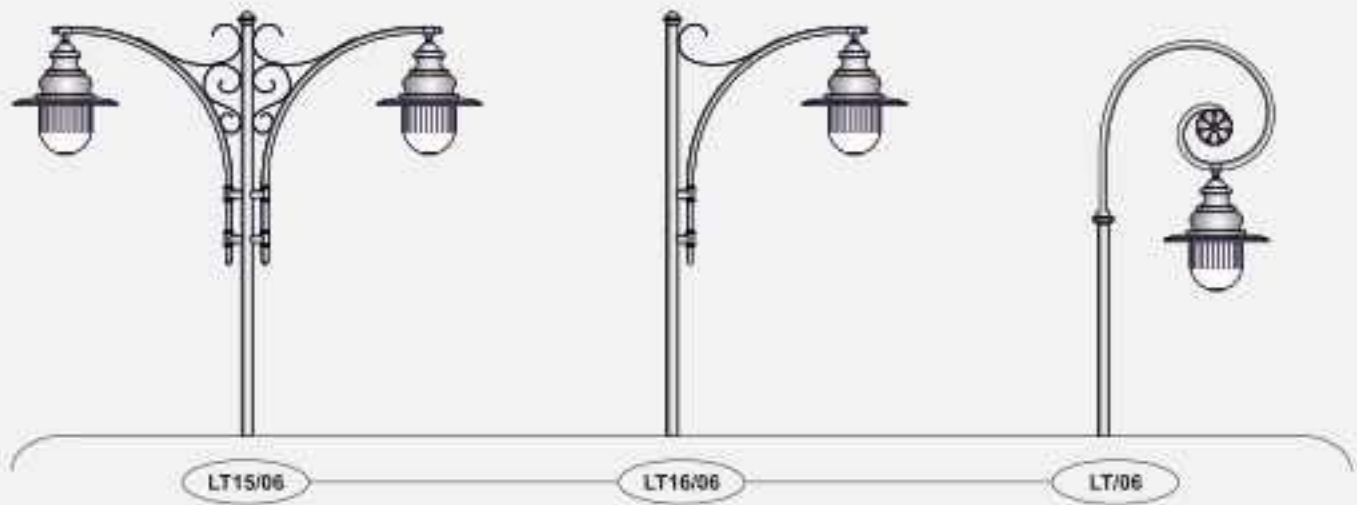
0 m →

latarnie typu L

HIGH STREETLIGHTS, TYPE "L"



67

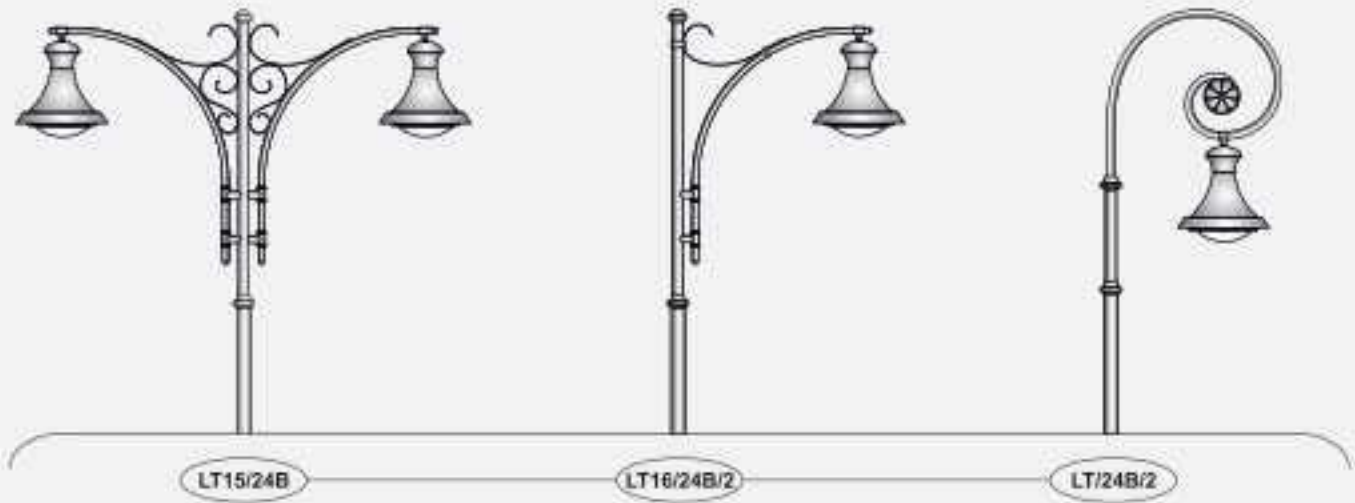




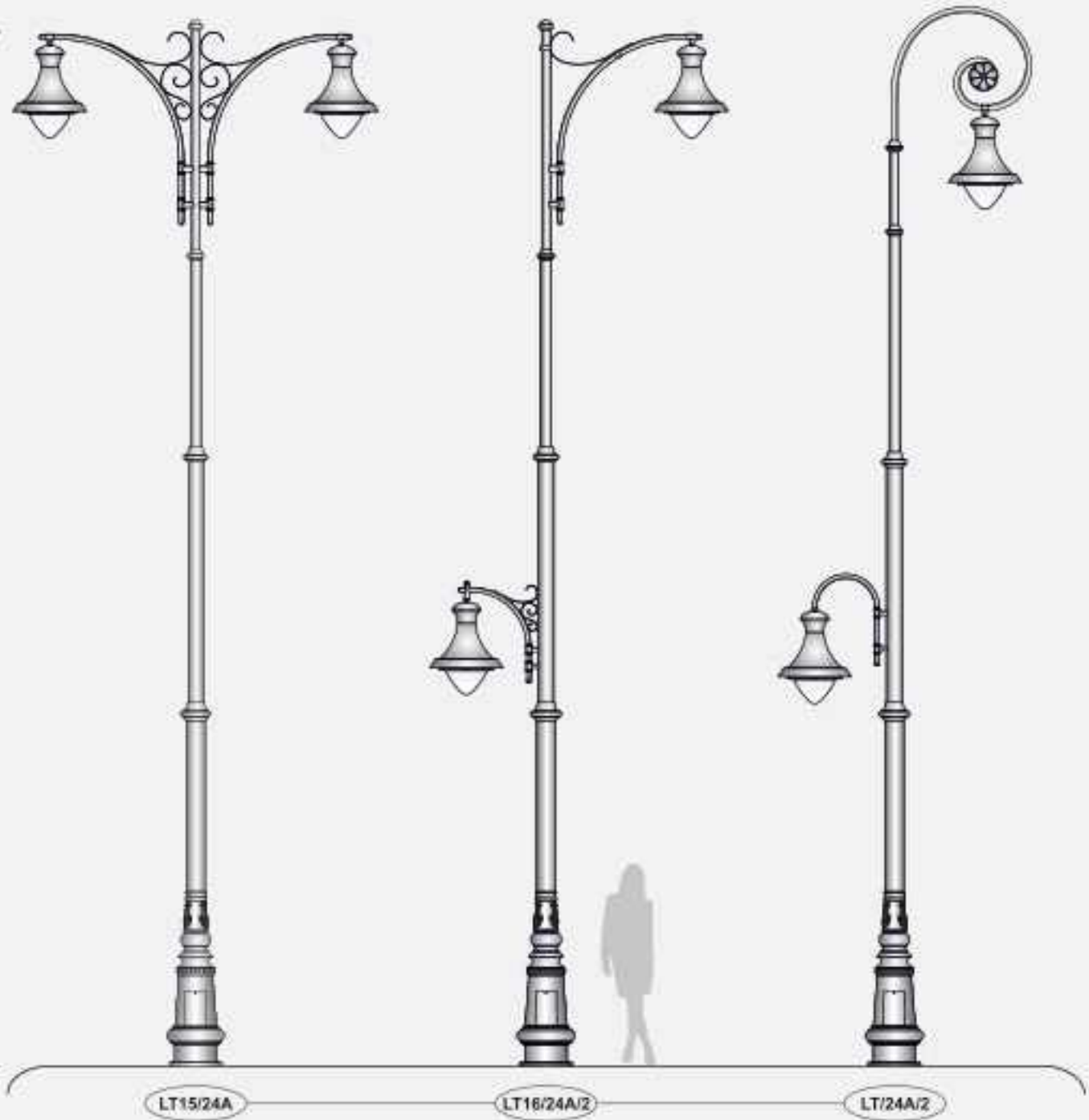
latarnie typu L

HIGH STREETLIGHTS, TYPE "L"

68



9 m →



0 m →



LATARNIE typu D

WYSOKIE LATARNIE ULICZNE
HIGH STREETLIGHTS

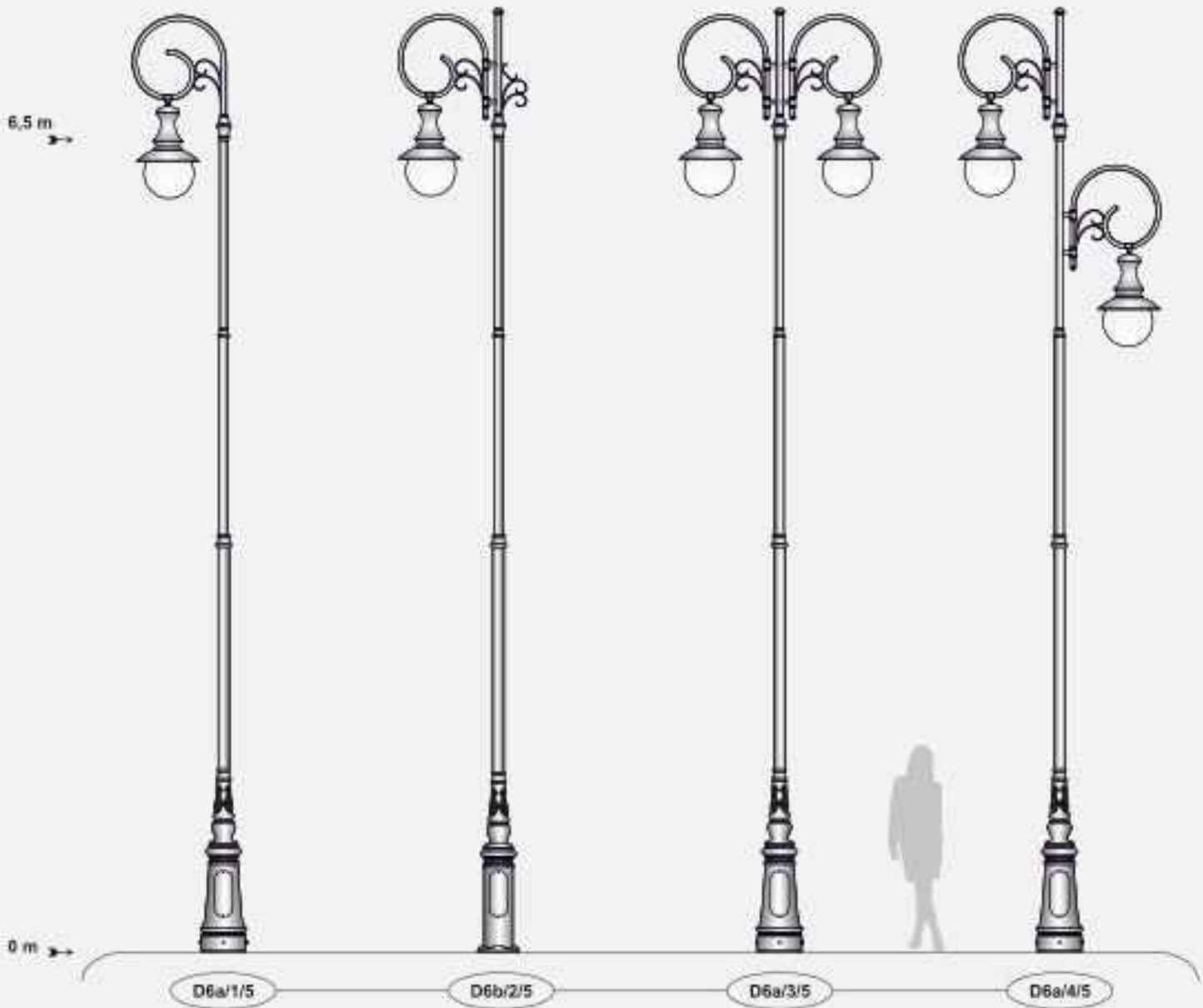
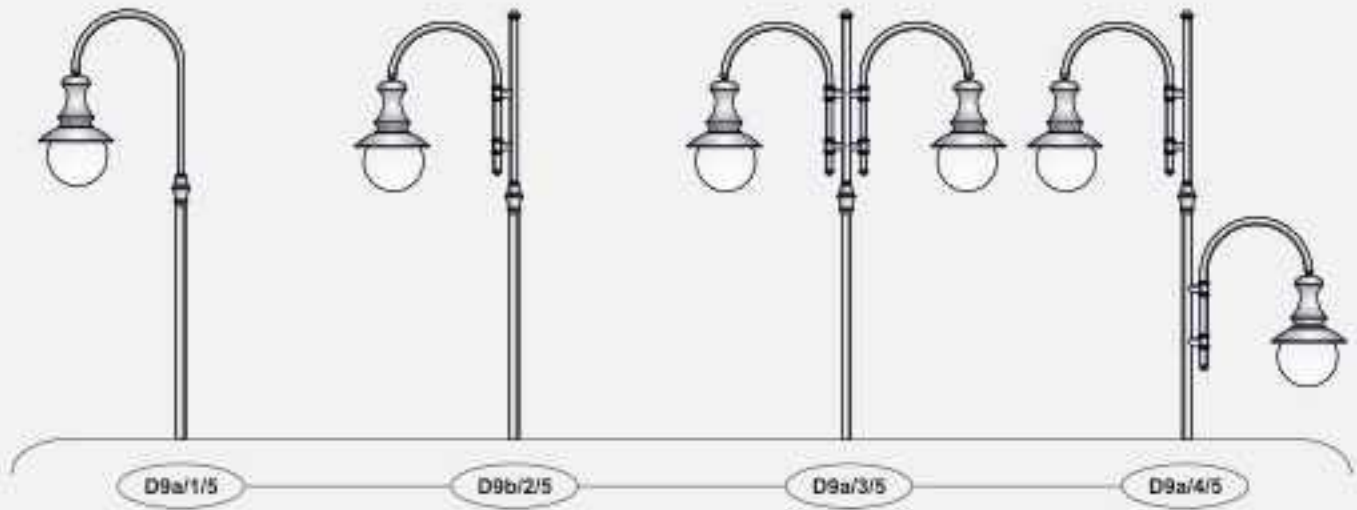
D6A
D6B
DPA
DPB
DS
WK



latarnie typu D

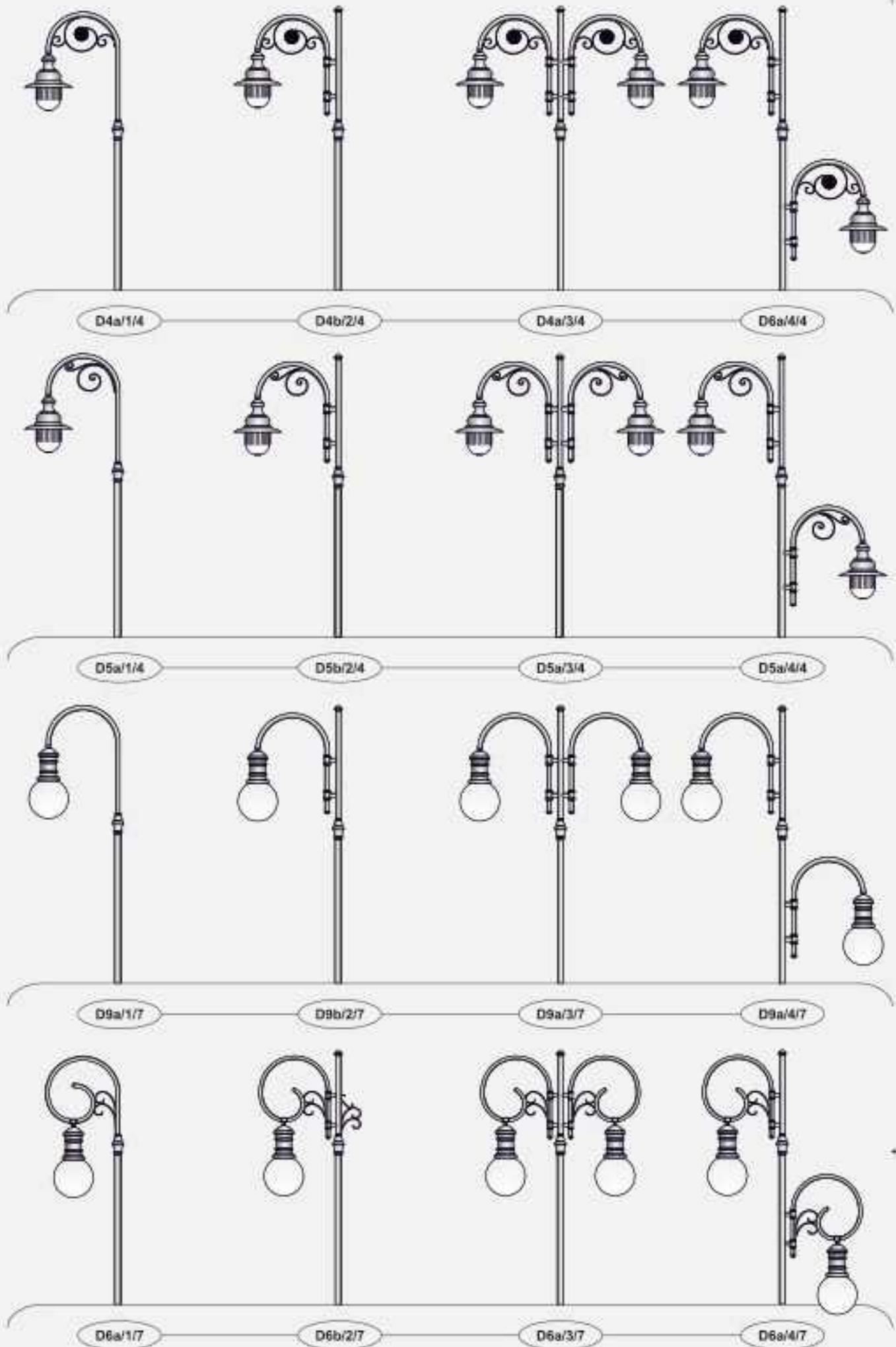
HIGH STREETLIGHTS, TYPE „D”

70



latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

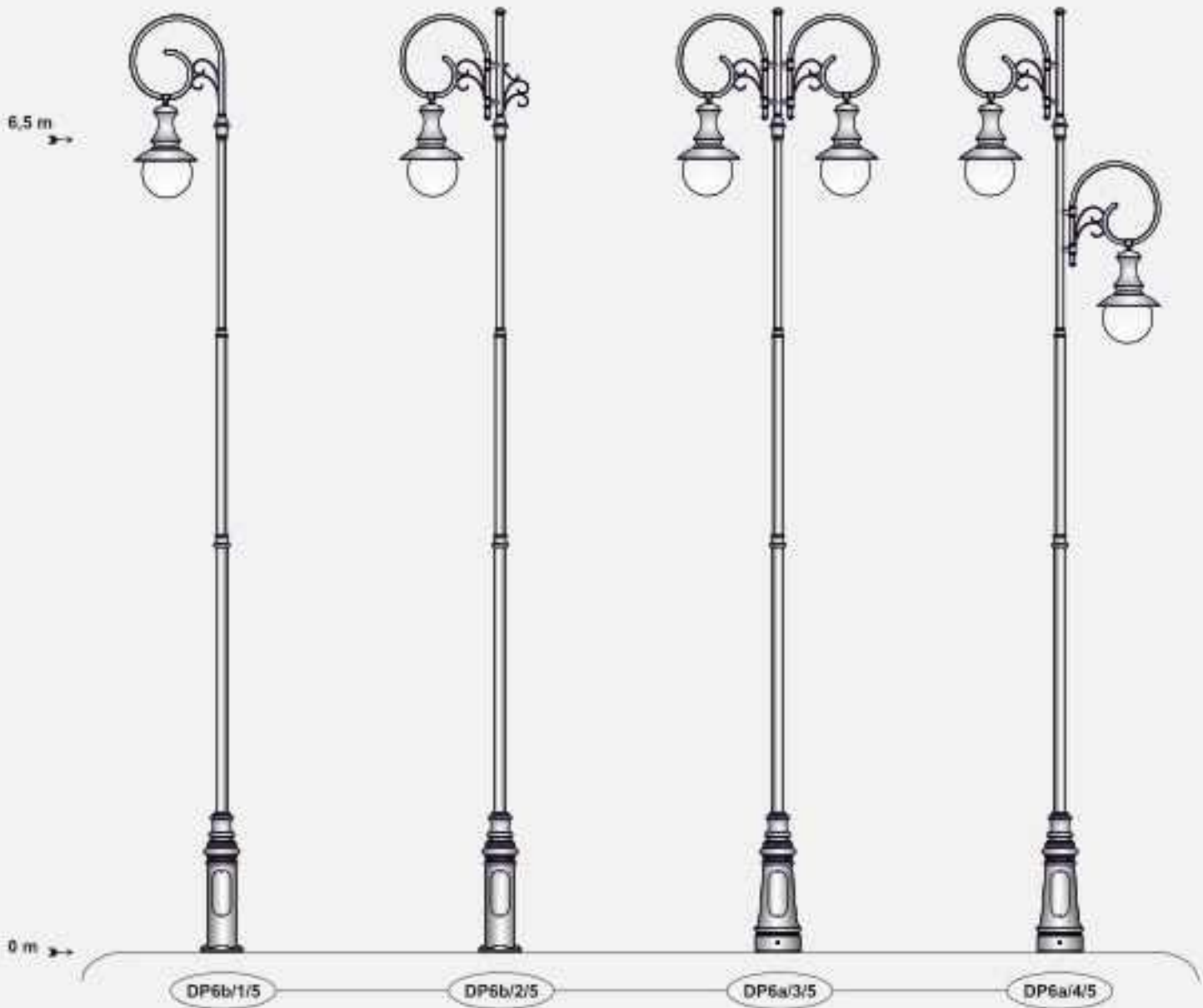
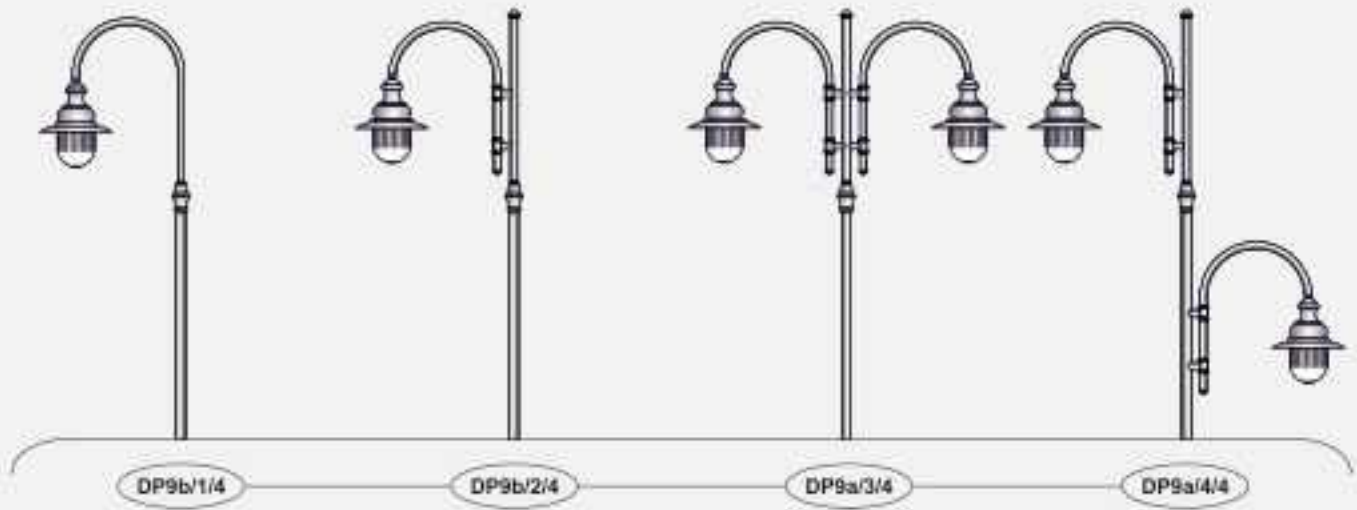




latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

72

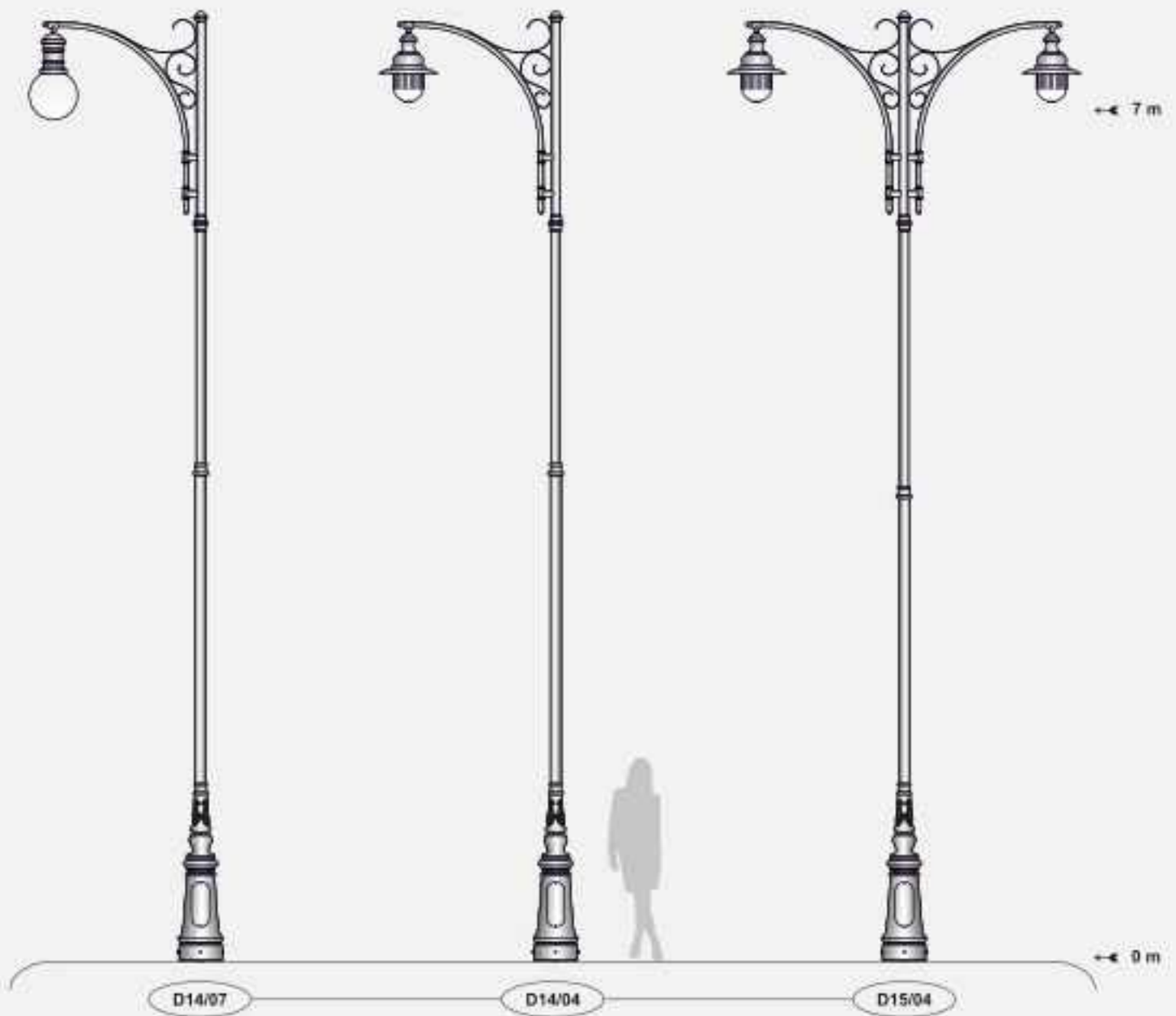
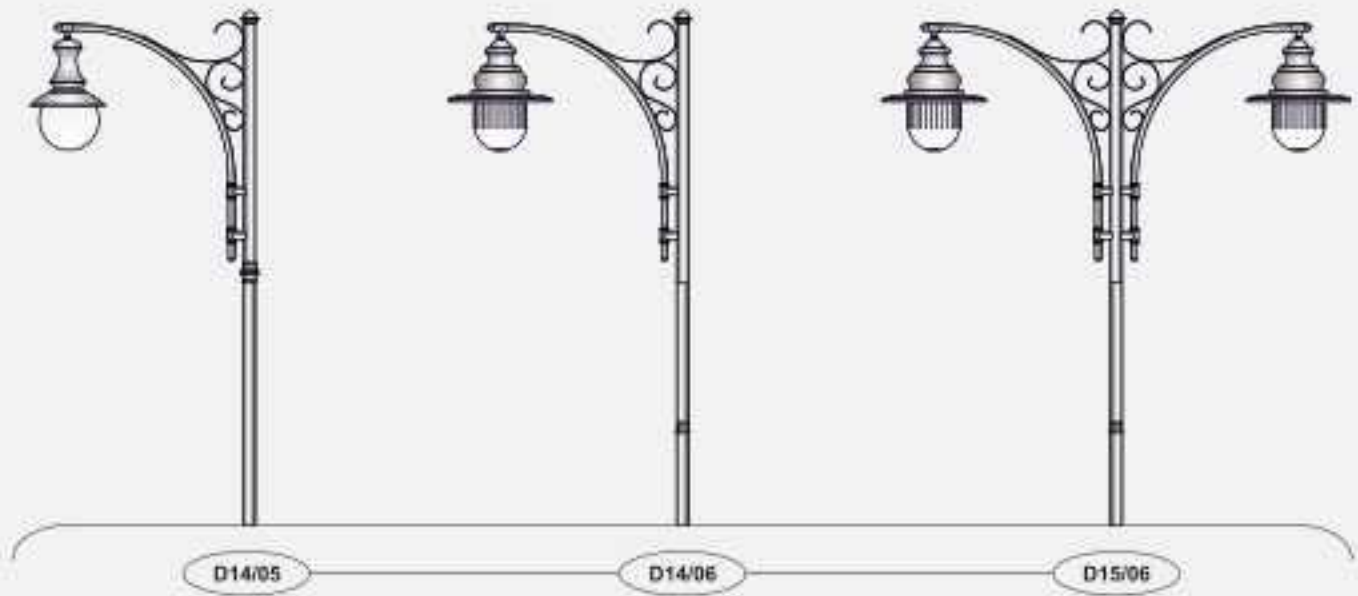


latarnie typu D

HIGH STREETLIGHTS, TYPE „D”



73

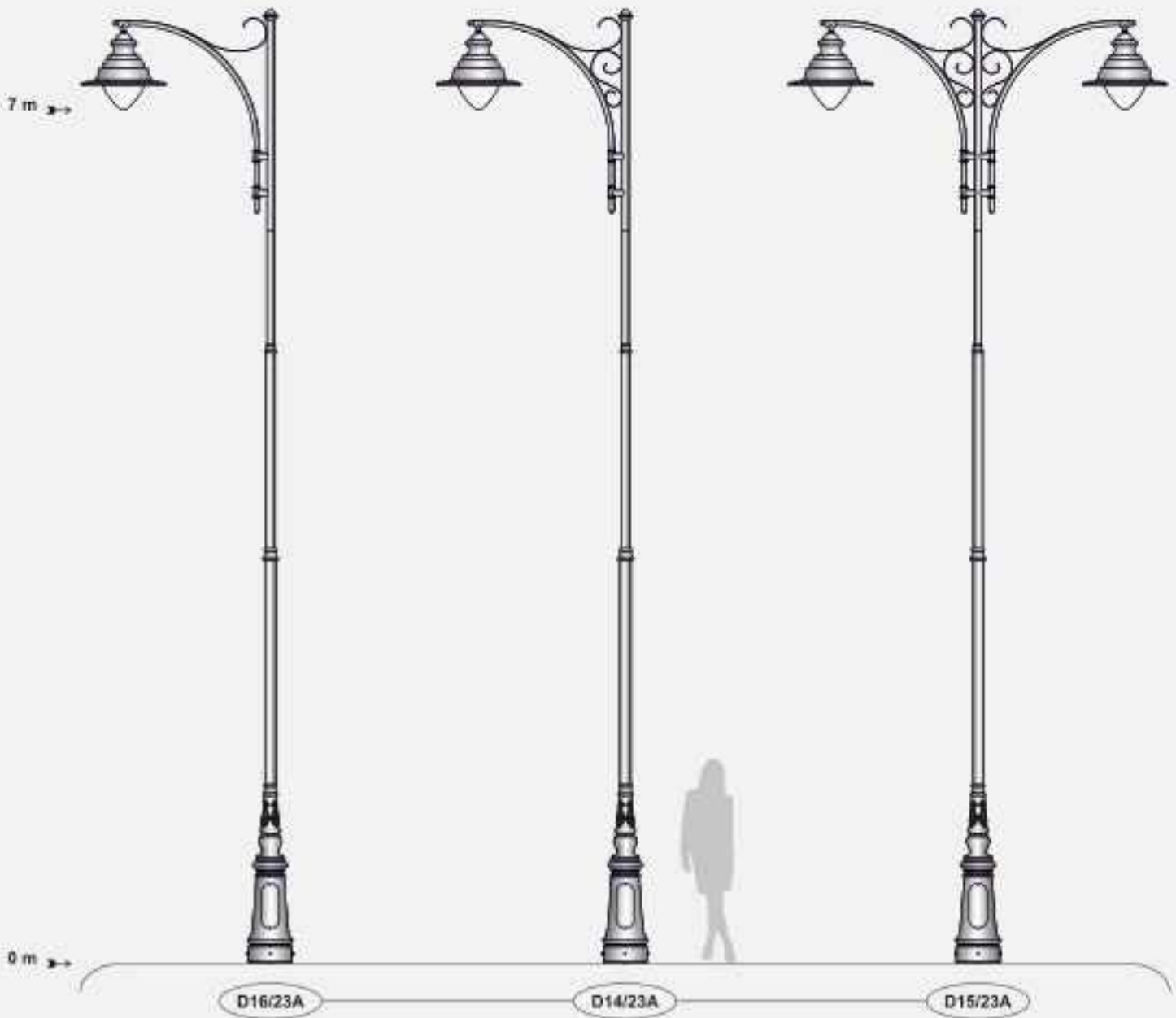
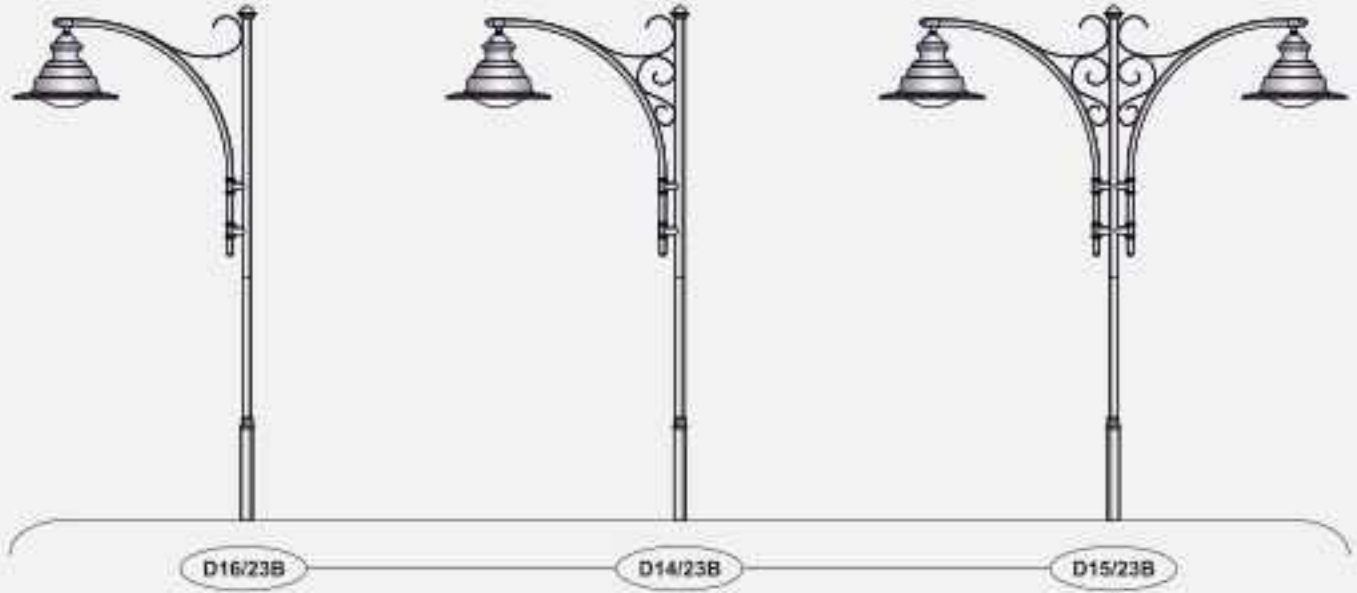




latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

74



latarnie typu D

HIGH STREETLIGHTS, TYPE „D”



75





latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

76



7,5 m →

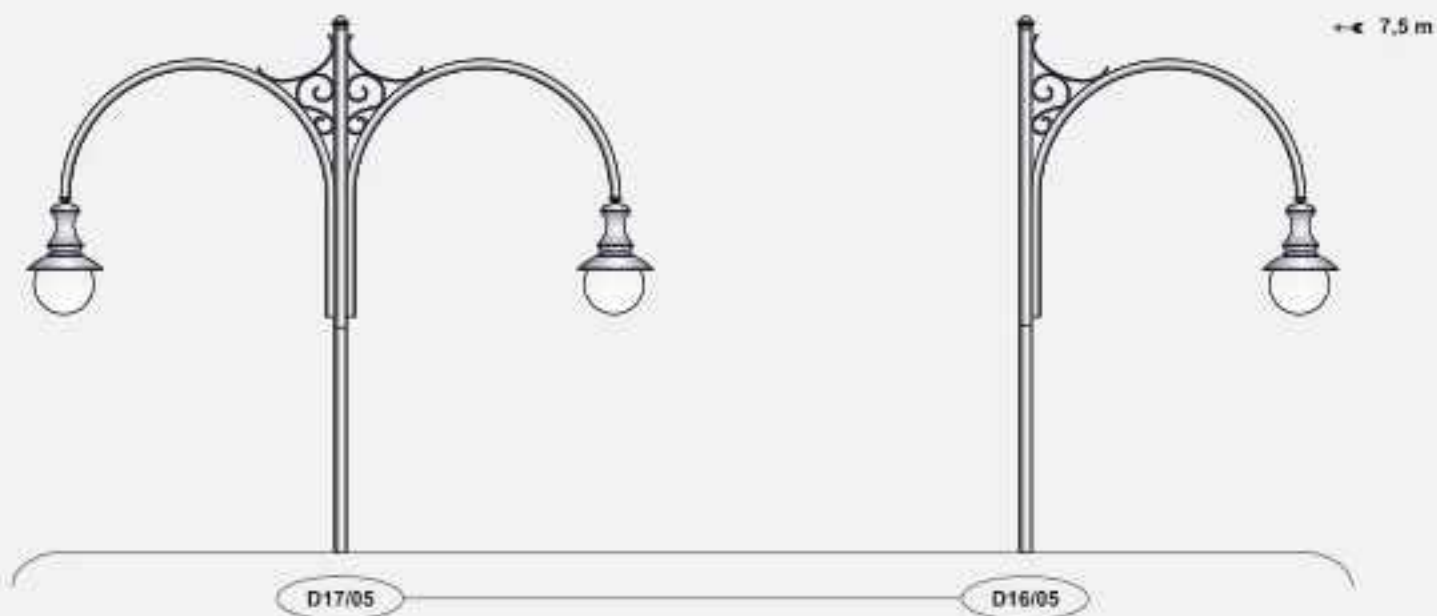
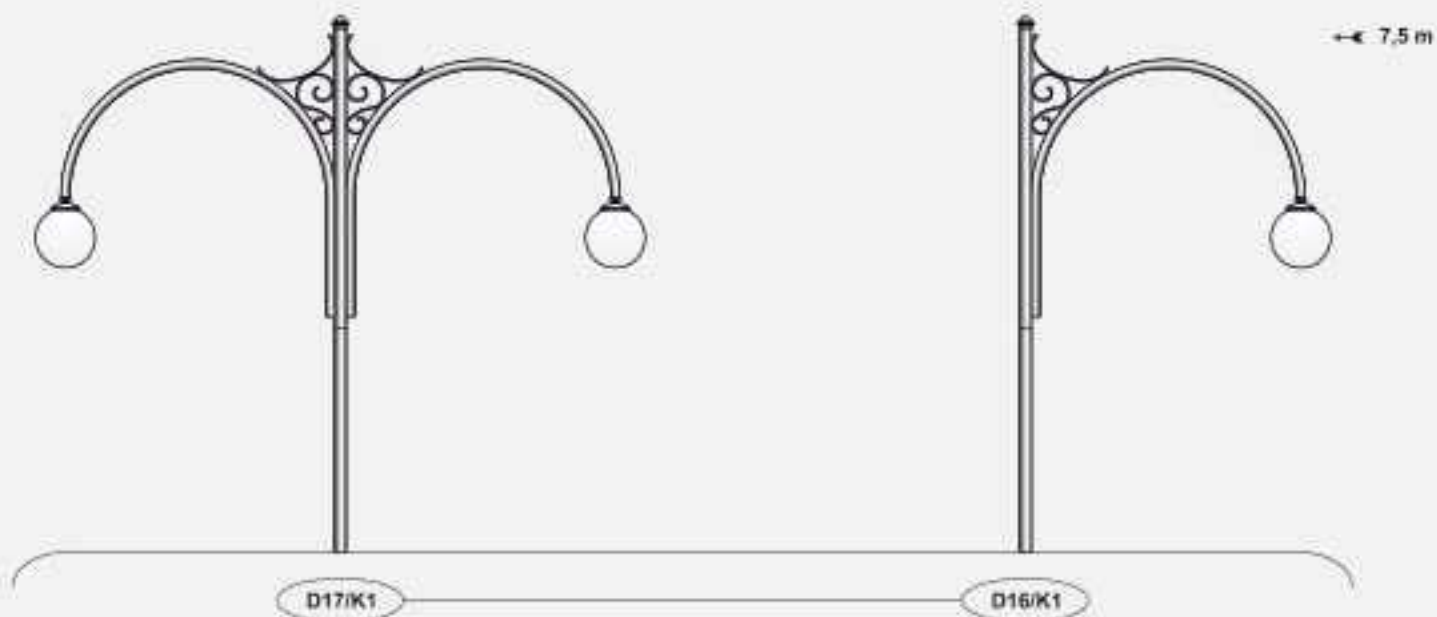
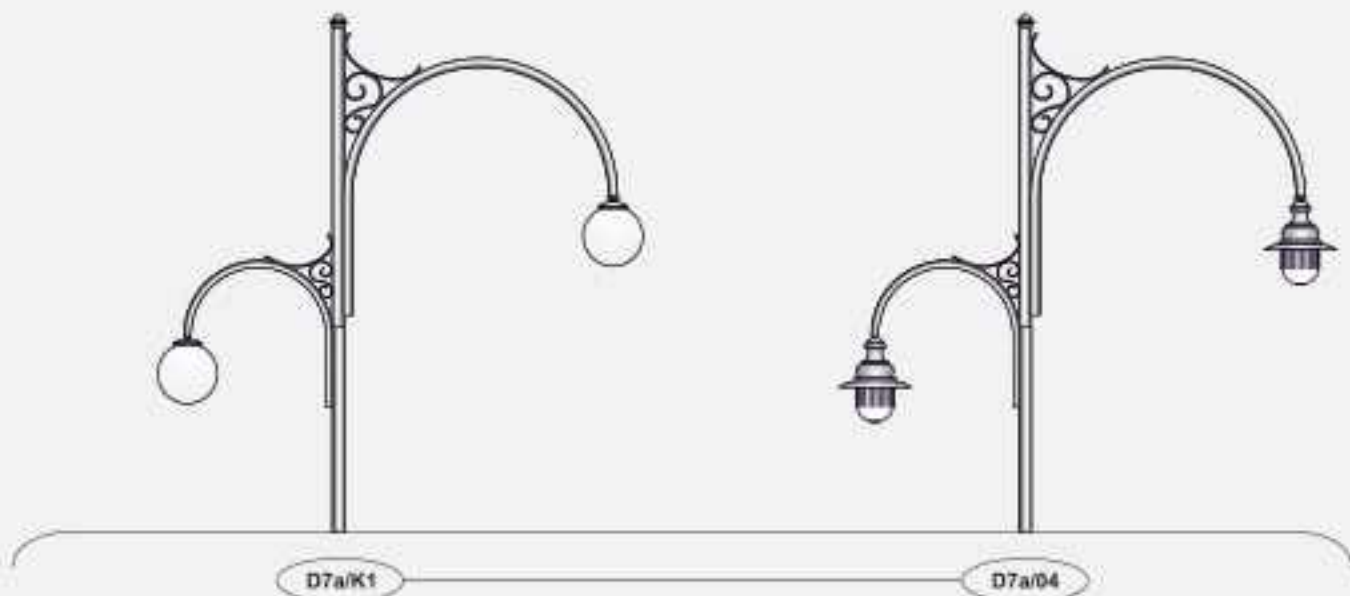


latarnie typu D

HIGH STREETLIGHTS, TYPE „D”



77

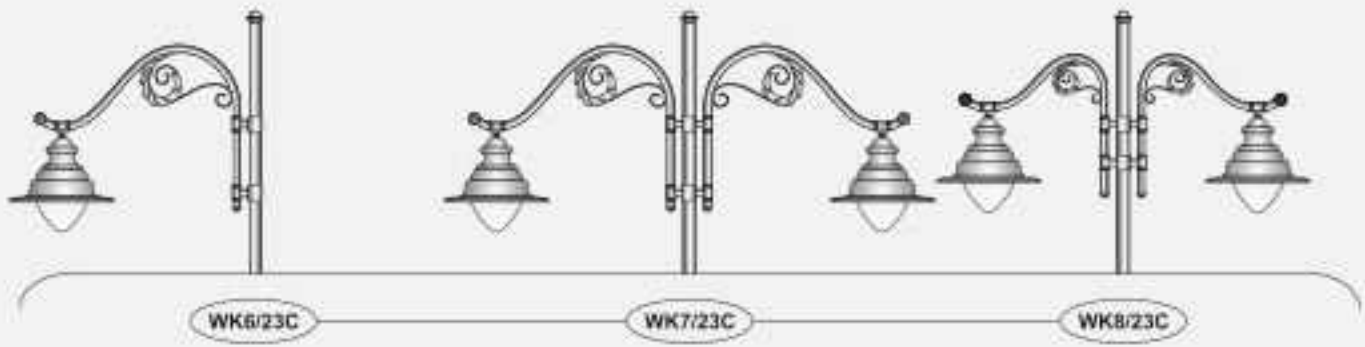




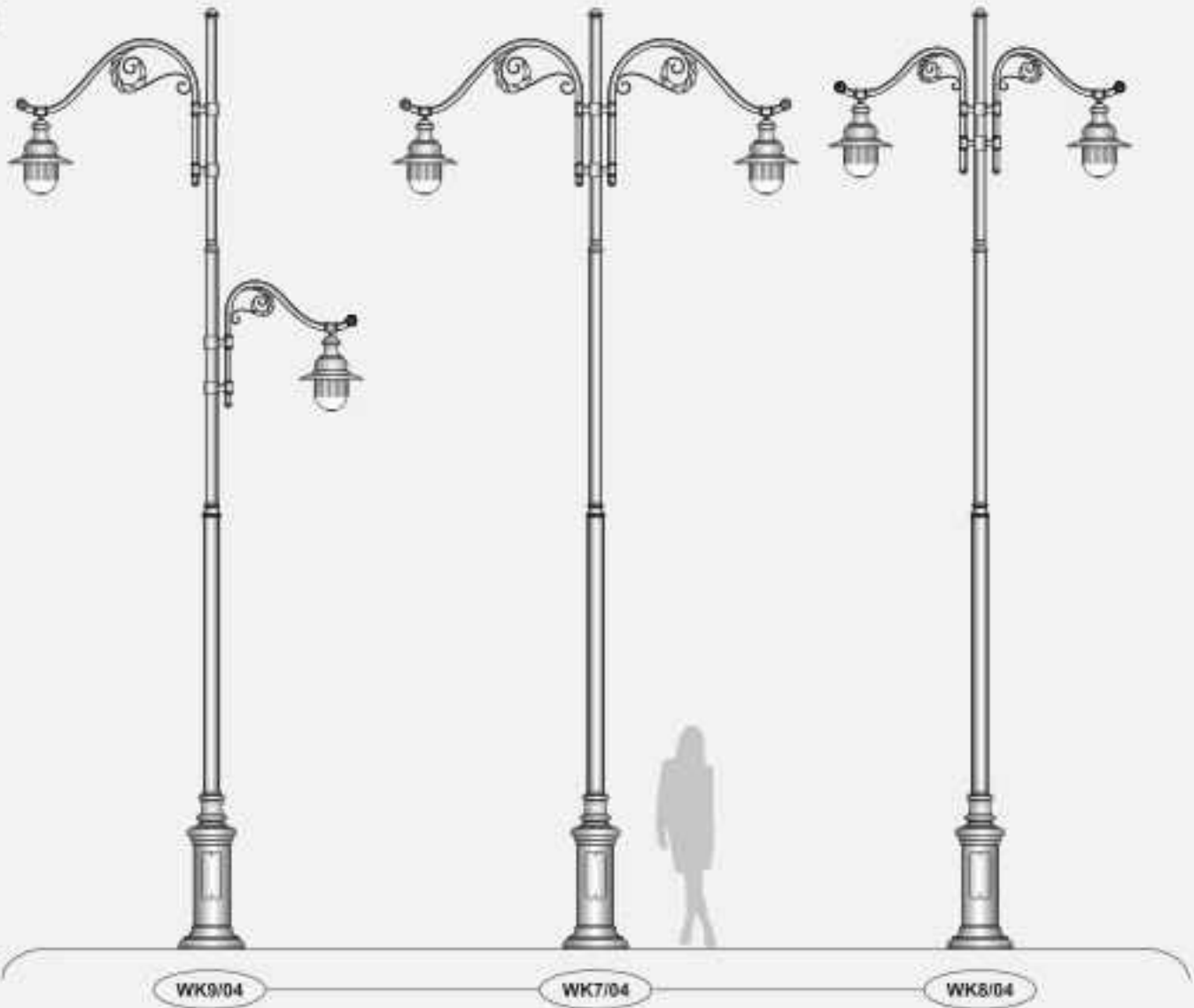
latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

78



7 m →

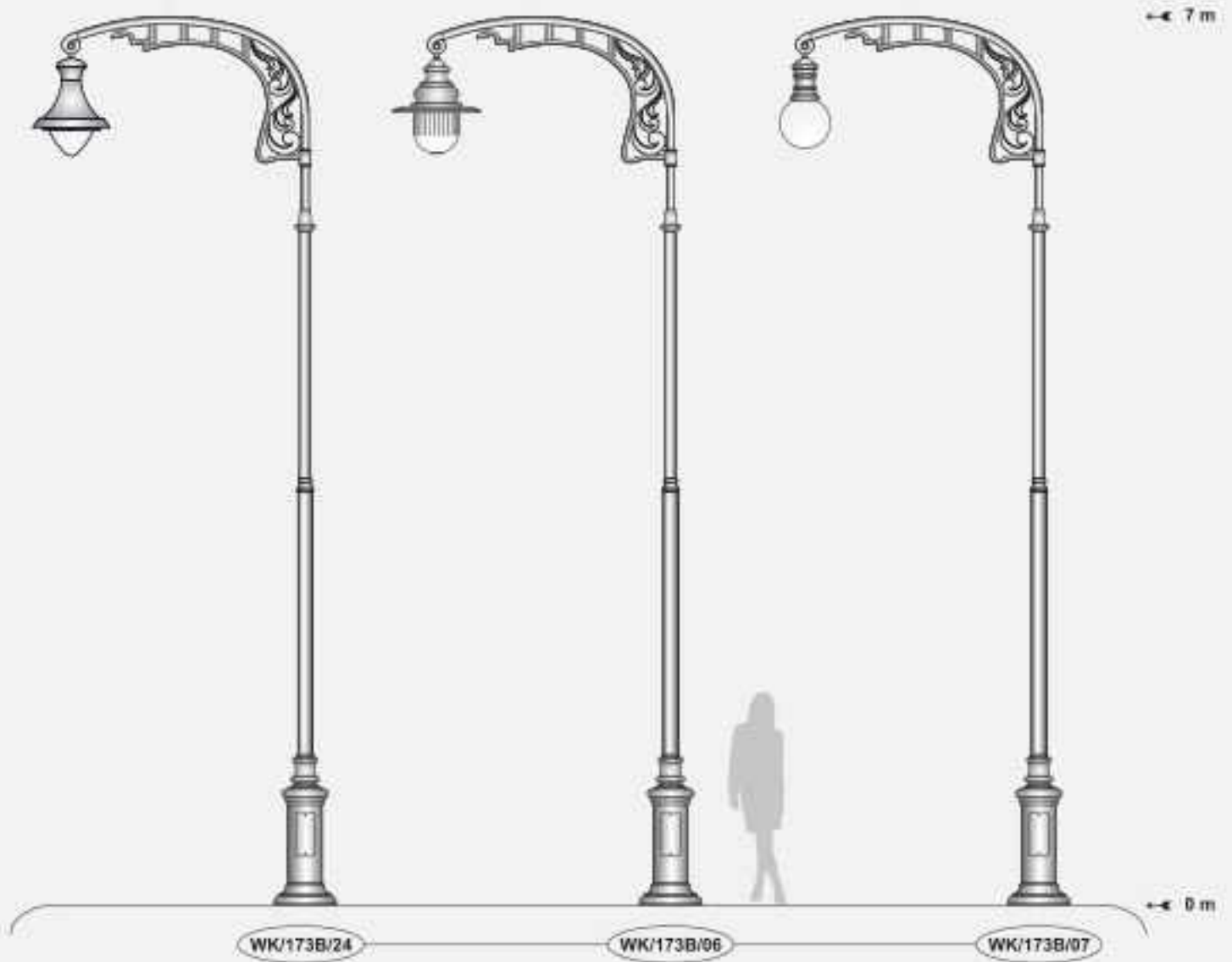
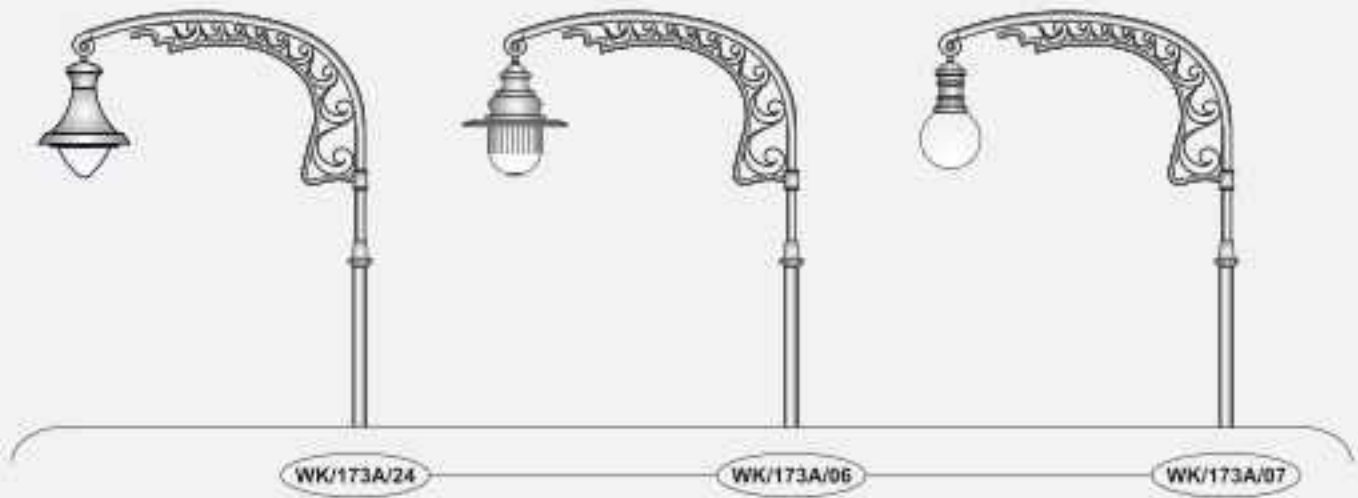


latarnie typu D

HIGH STREETLIGHTS, TYPE „D”



79





latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

80



8 m →

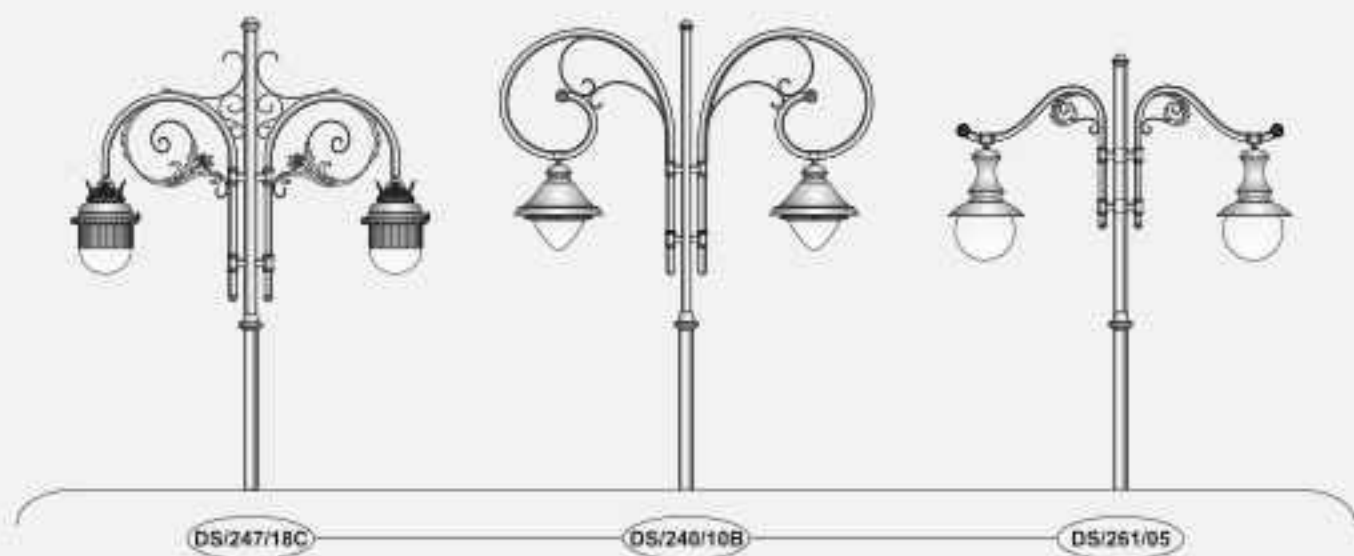


latarnie typu D

HIGH STREETLIGHTS, TYPE „D”



81

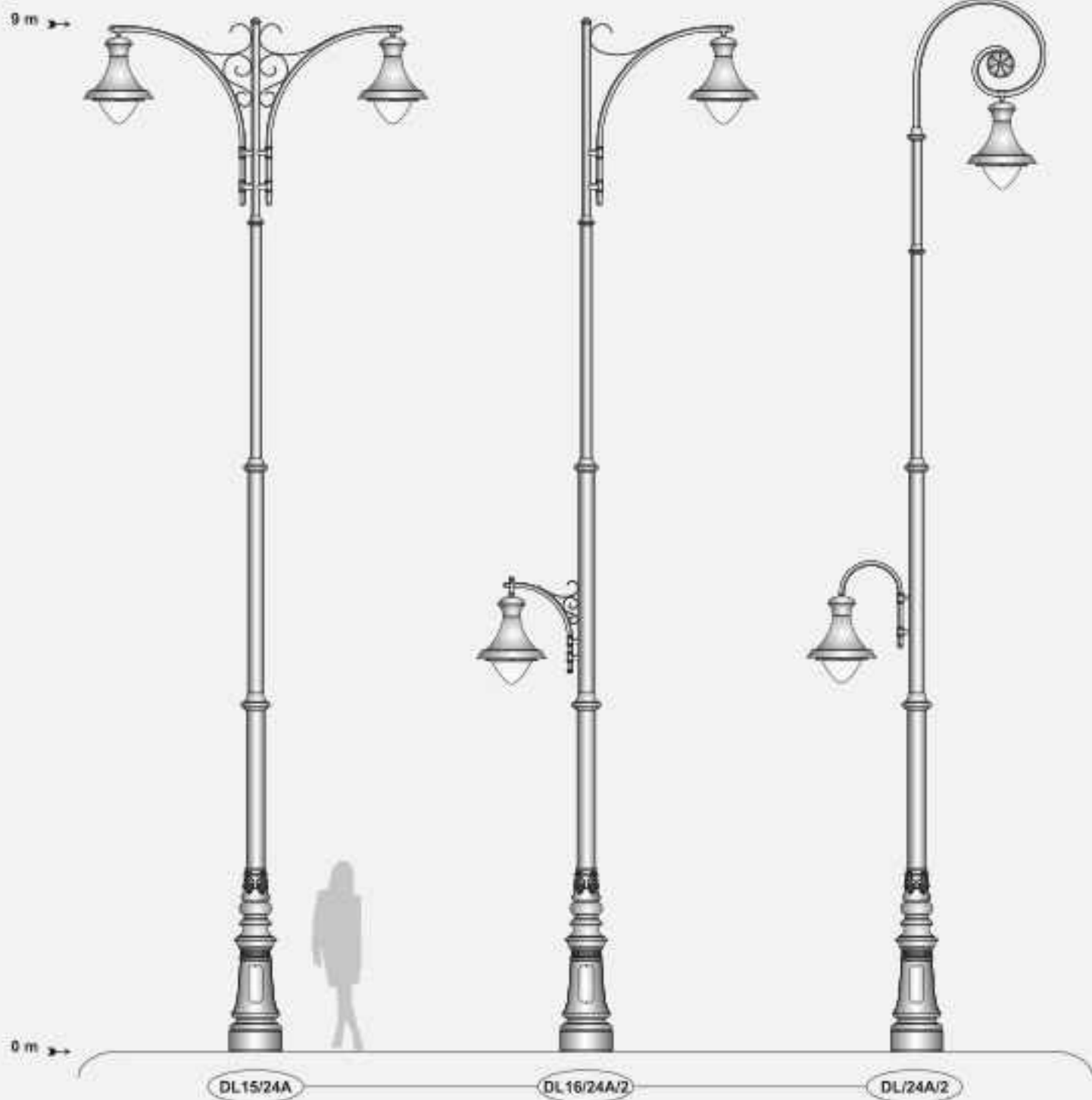
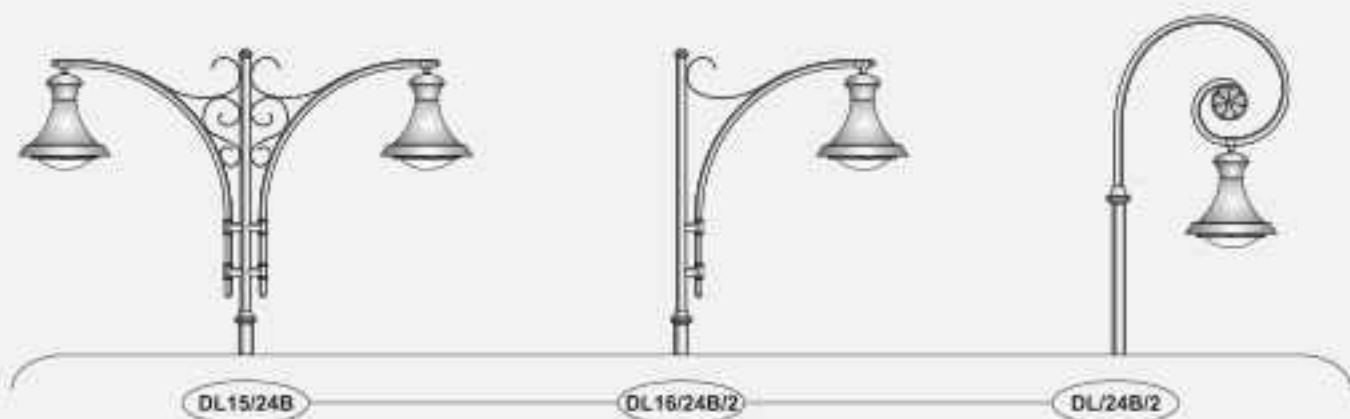




latarnie typu D

HIGH STREETLIGHTS, TYPE „D”

82





LATARNIE typ 1K

WYSOKIE LATARNIE STYL KLASYC
HIGH CLASSICAL STREETLIGHTS

1K
1K1
1K2
1K3
1K4
1K5
1K6
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1K8
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1K98
1K99
1K100

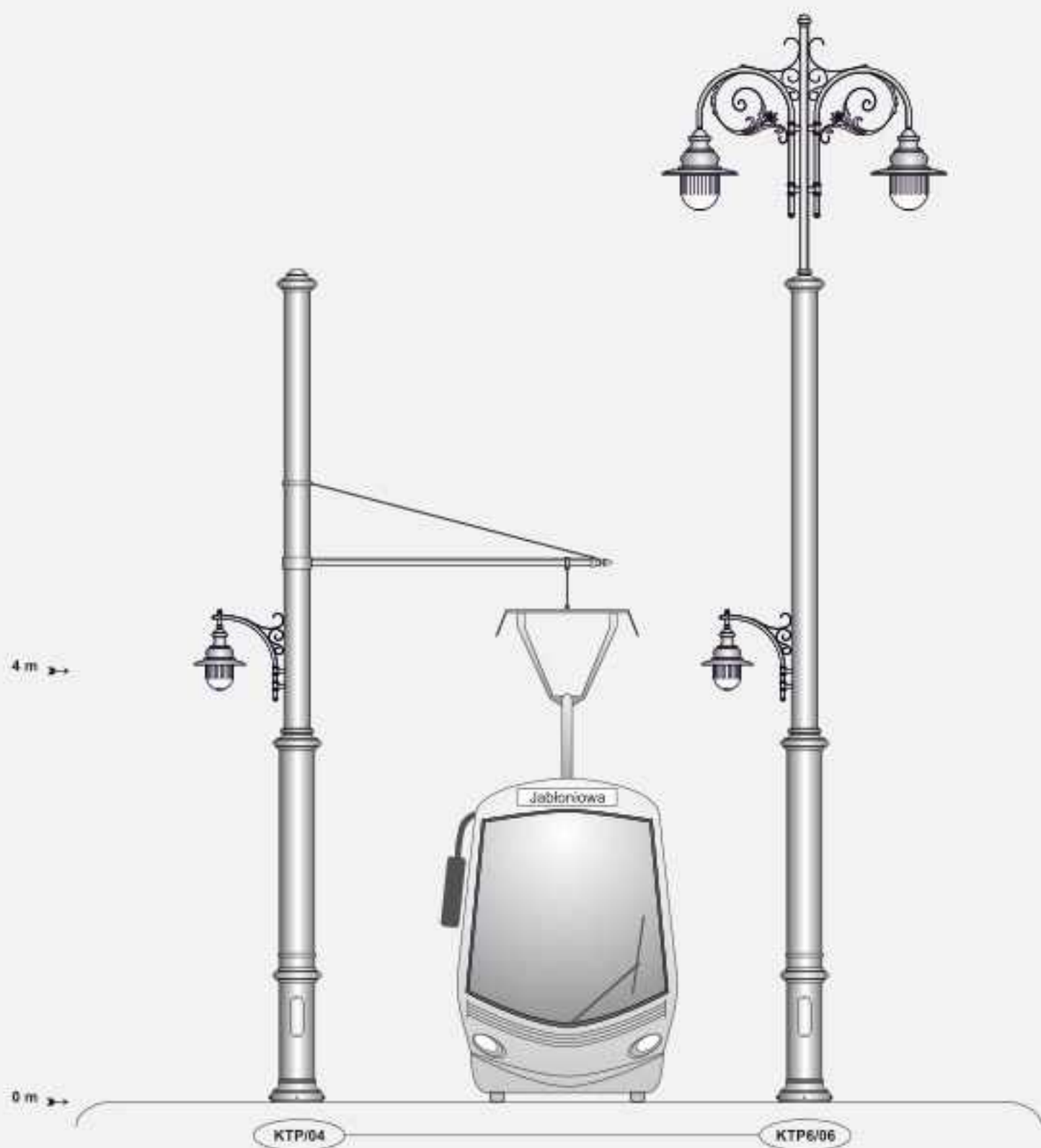


latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K”

84

← 10 m



latarnie typu K

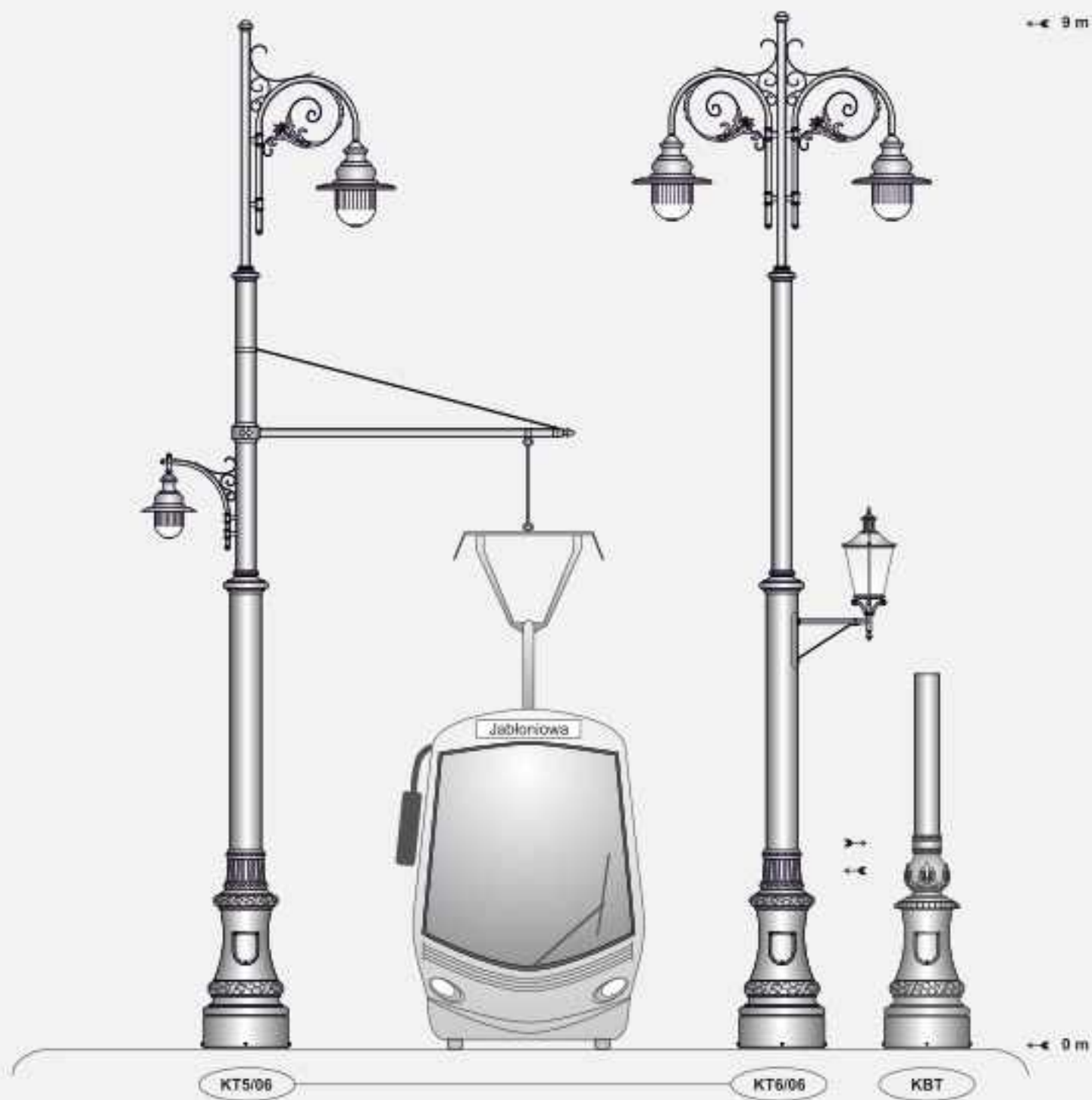
HIGH CLASSICAL STREETLIGHTS, TYPE „K”

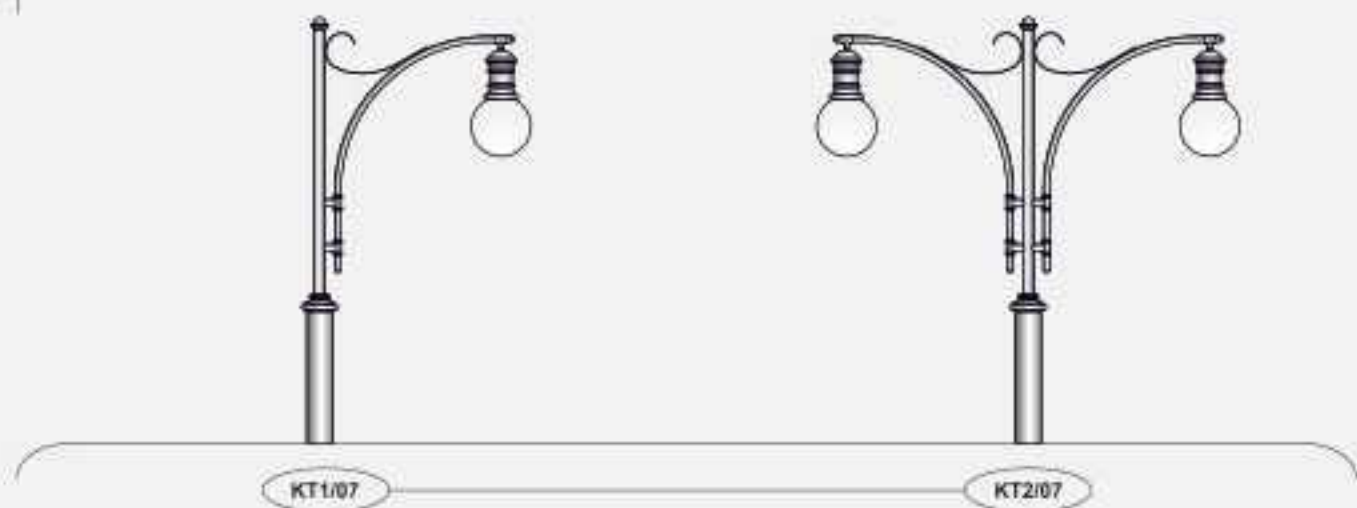


85

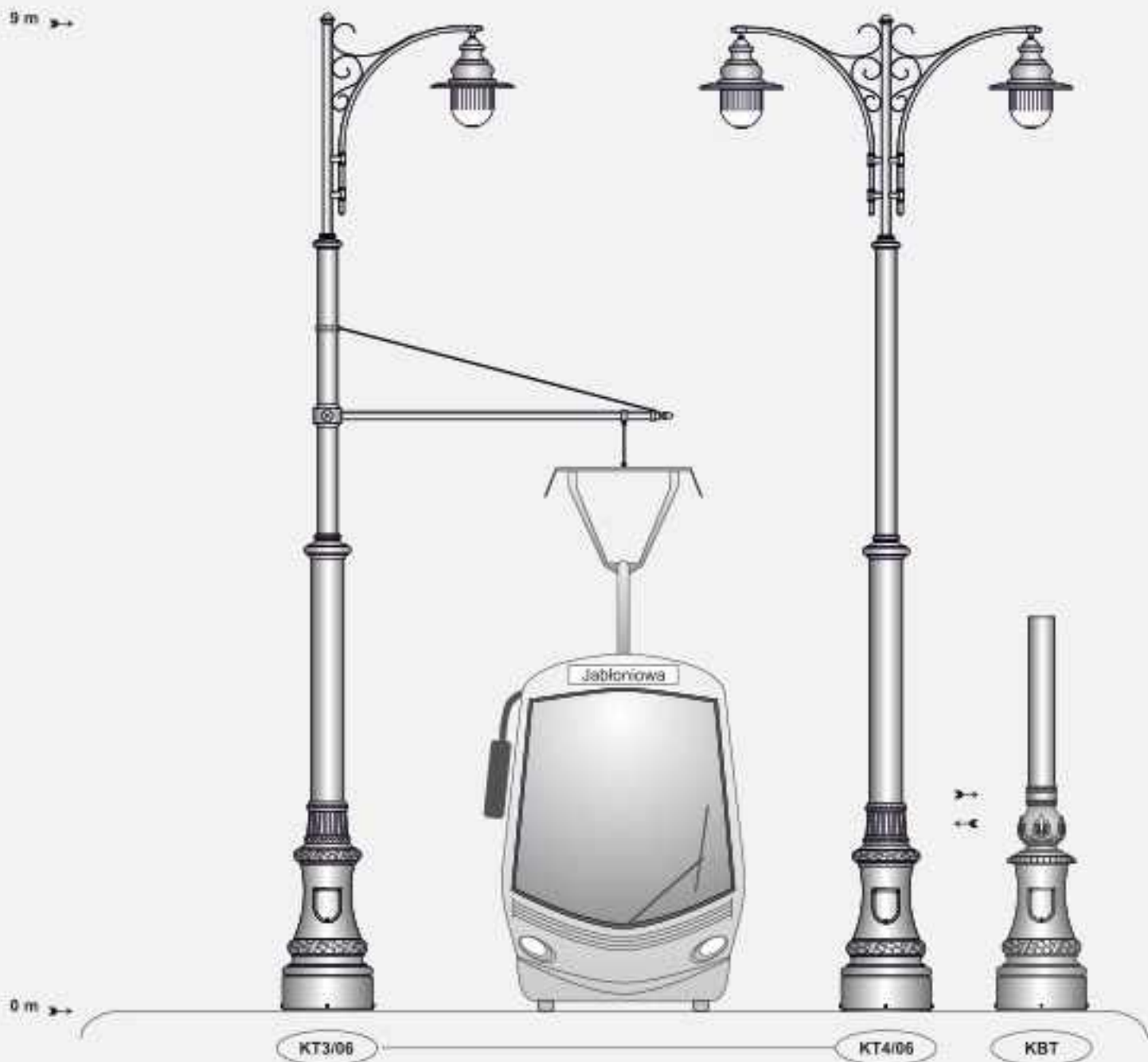


← 3 m





9 m →

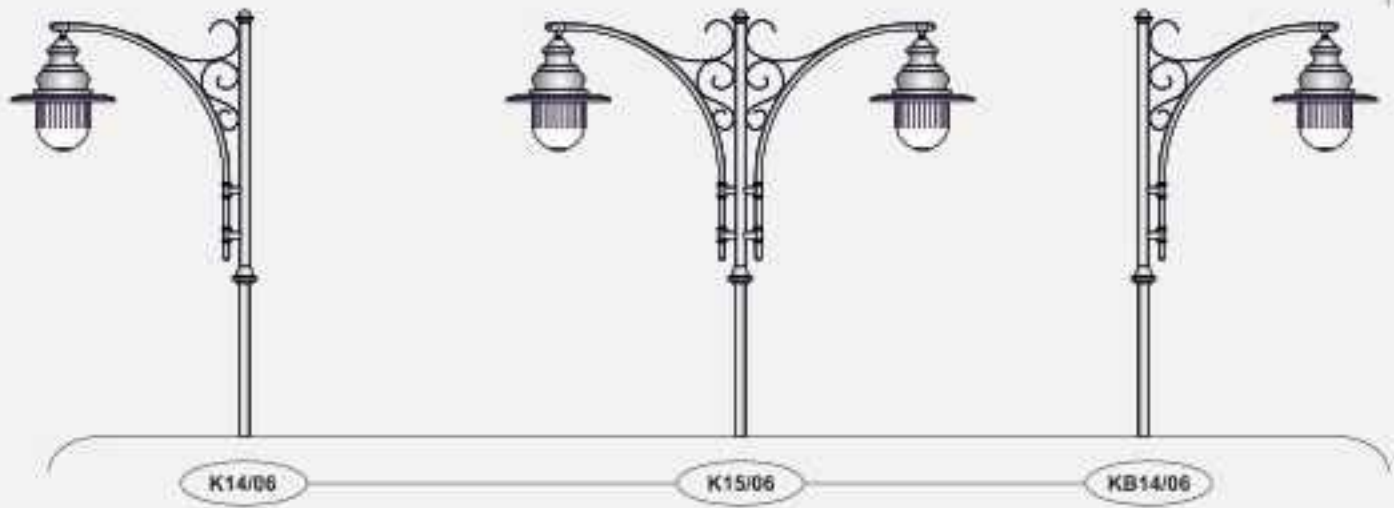


latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



87





latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K”

88



K3/07



K2/05



KB1/25B

9 m →



K7/07



K6/05



KB5/25B

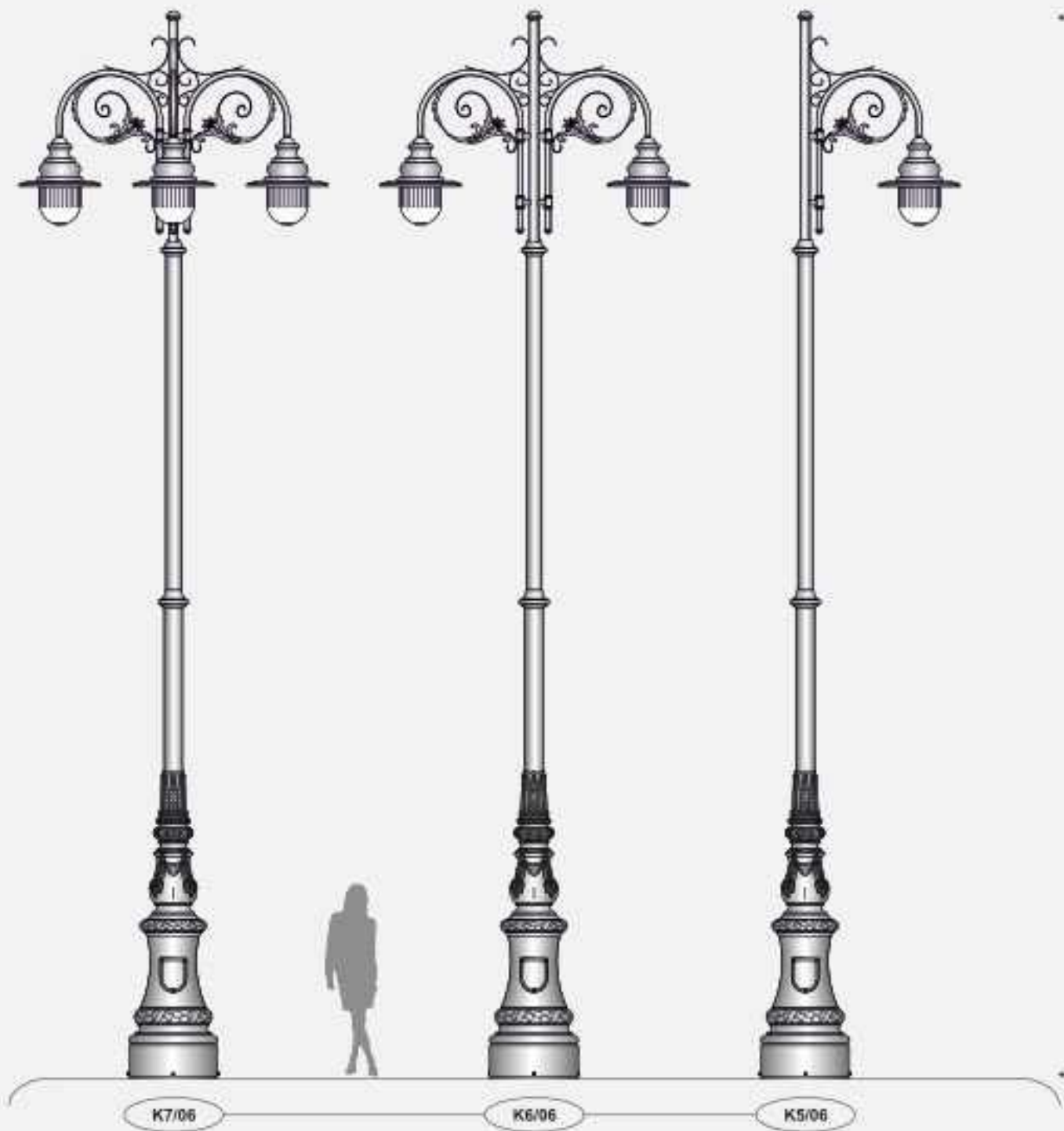
0 m →

latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



89

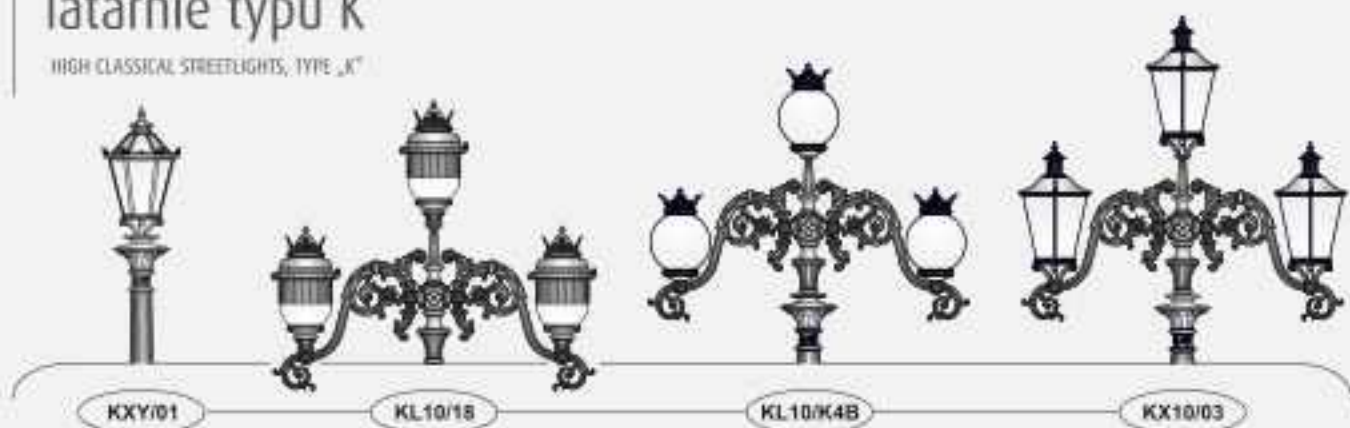




latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K”

90



5 m →



0 m →

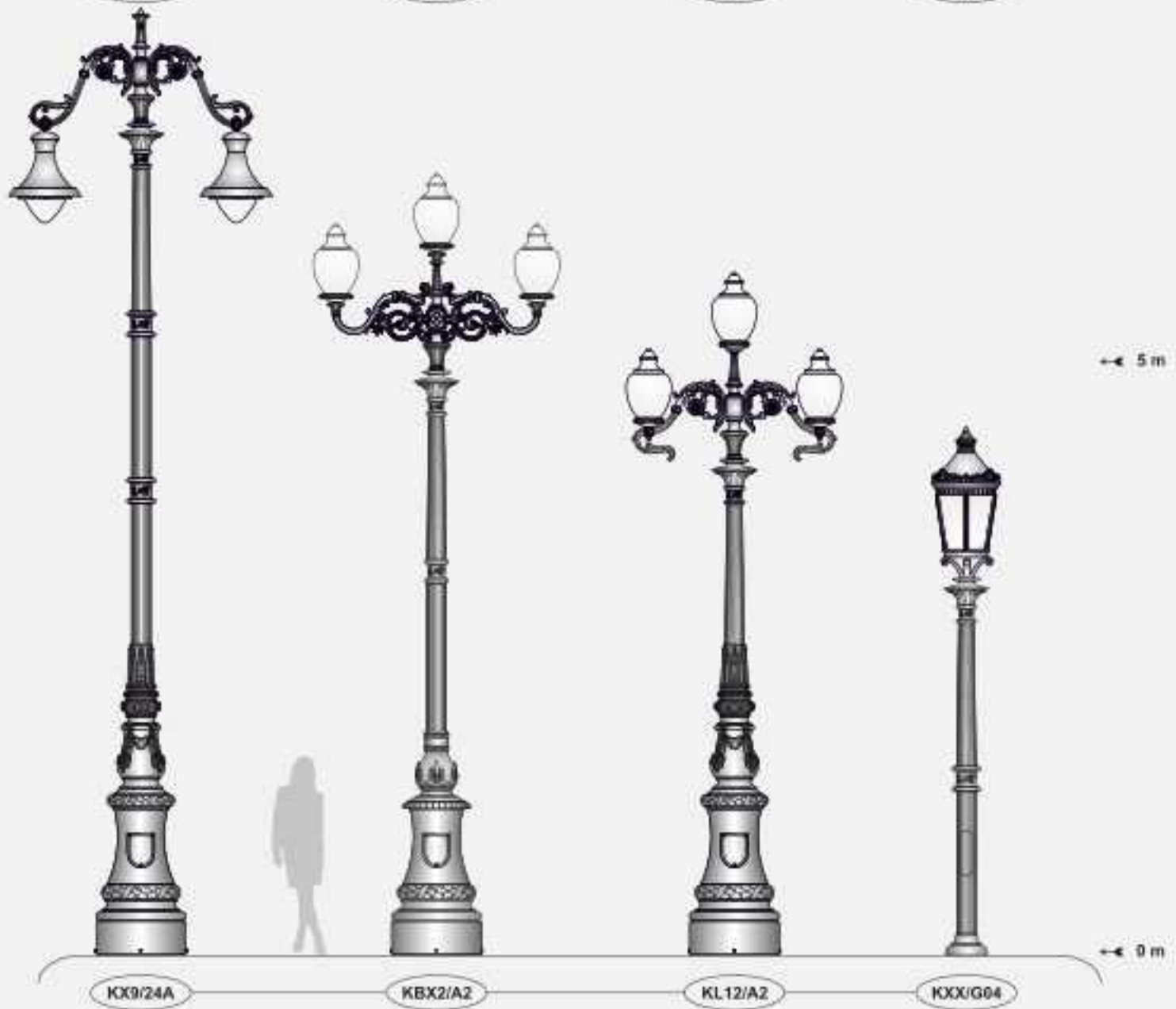
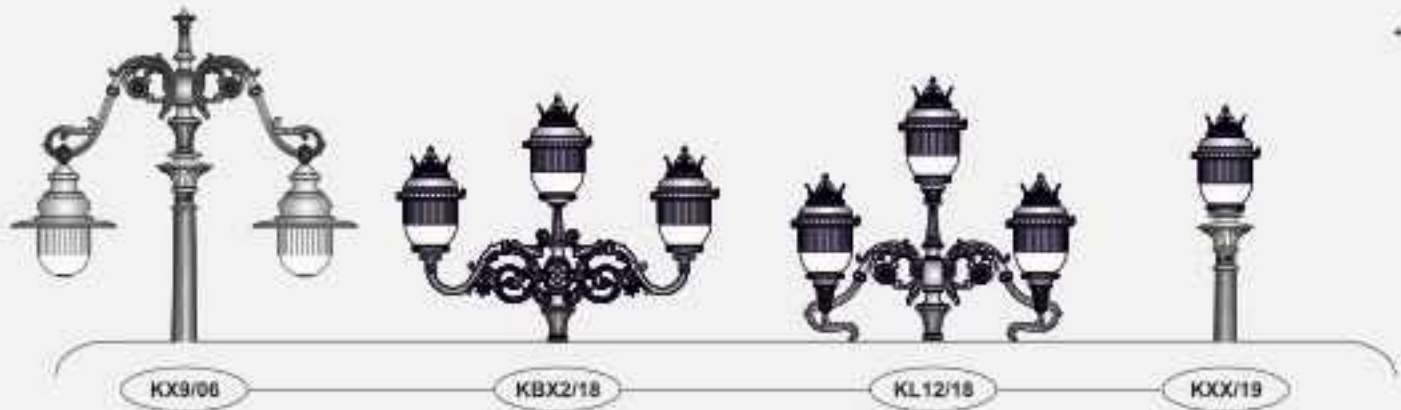


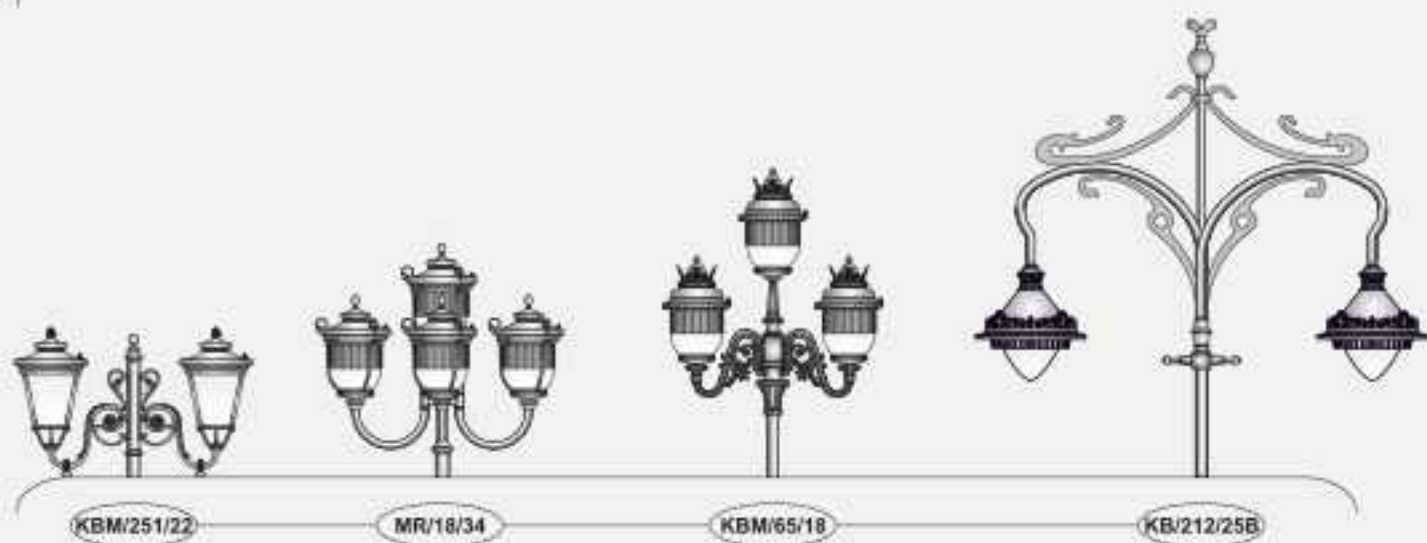
latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



91





9 m →

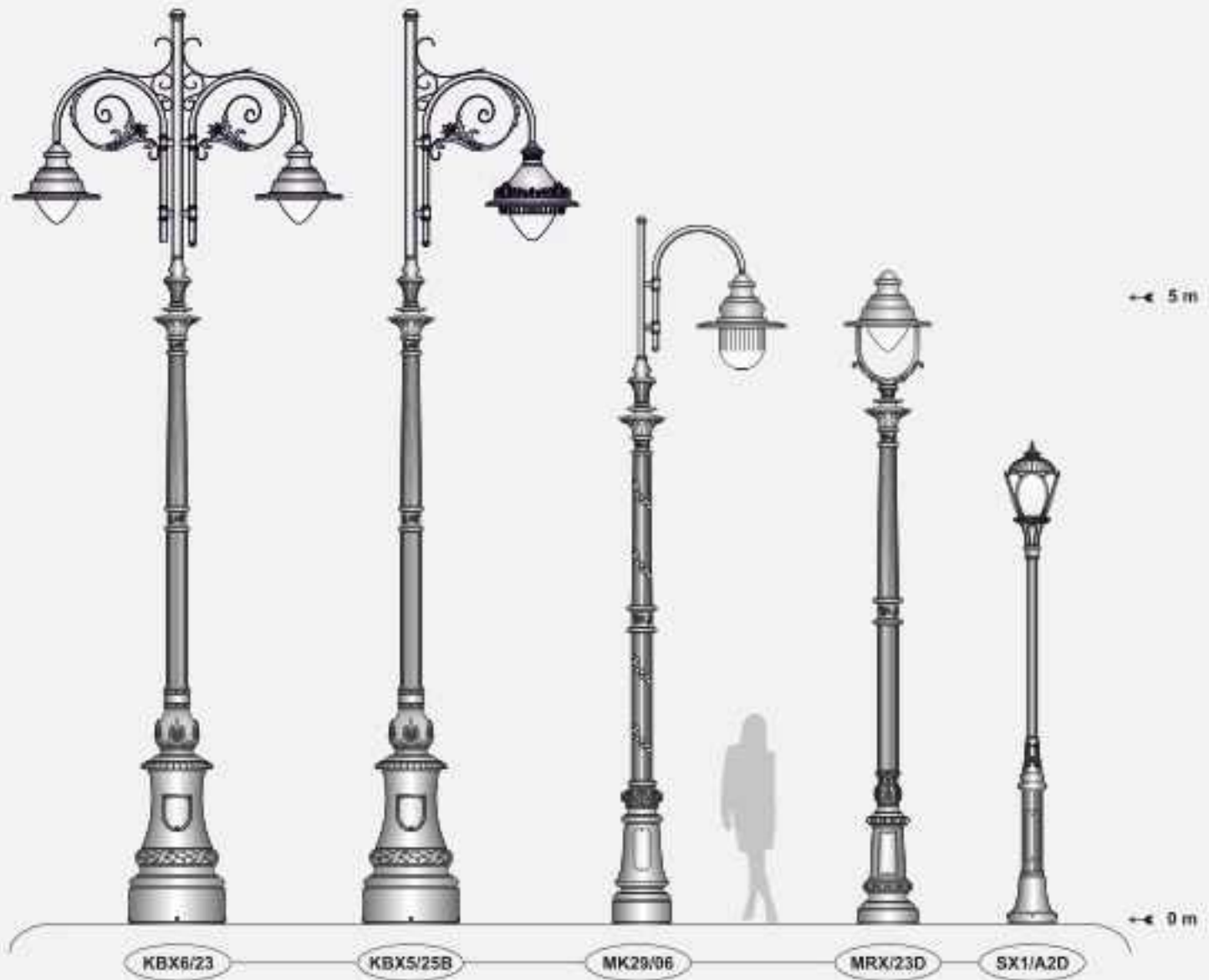


latarnie typu K

HIGH CLASSICAL STREETLIGHTS, TYPE „K“



93





KM5/K4B



KS4/A2



KS5/02



KM/02



KM5/19



KS4/01



KS6/22



KM/22



KM5/G02



KS4/G03



KS8/A2D



KM/A2D

5 m →



KM5/03



KS4/02/B



KS7/G02



KM/23D

0 m →



LATARNIE typu N

LATARNIE STYLÓWE
CLASSICAL STREETLIGHTS

N
NS



C5N/A2



C3N/A2



C2N/A2



N/A2



B5N/03



B3N/03



B2N/03



N/03L



H5N/34A



H3N/34A



H2N/34B



N/34BL

4 m →



A5N/01



A3N/01



A2N/01



N/01G

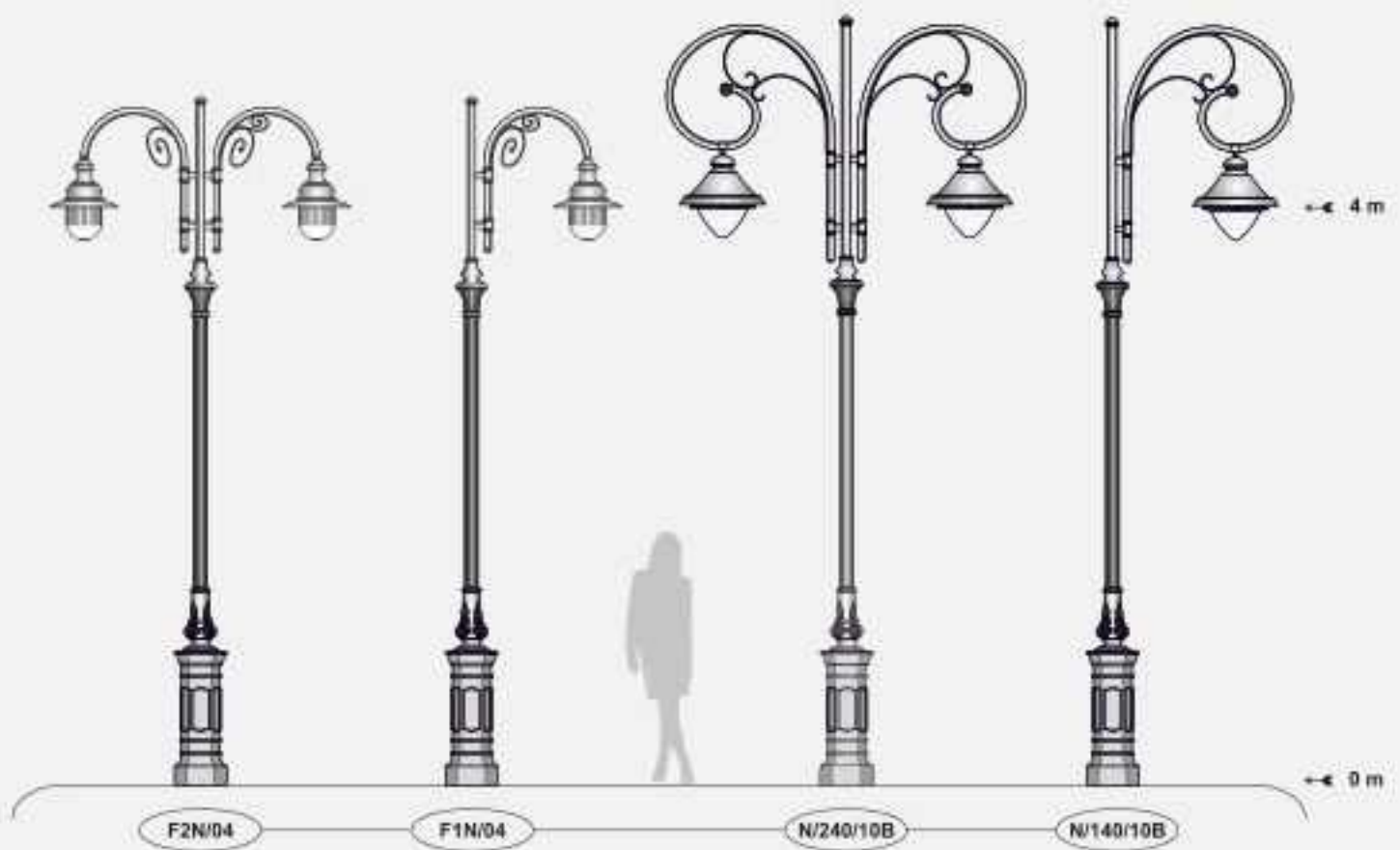
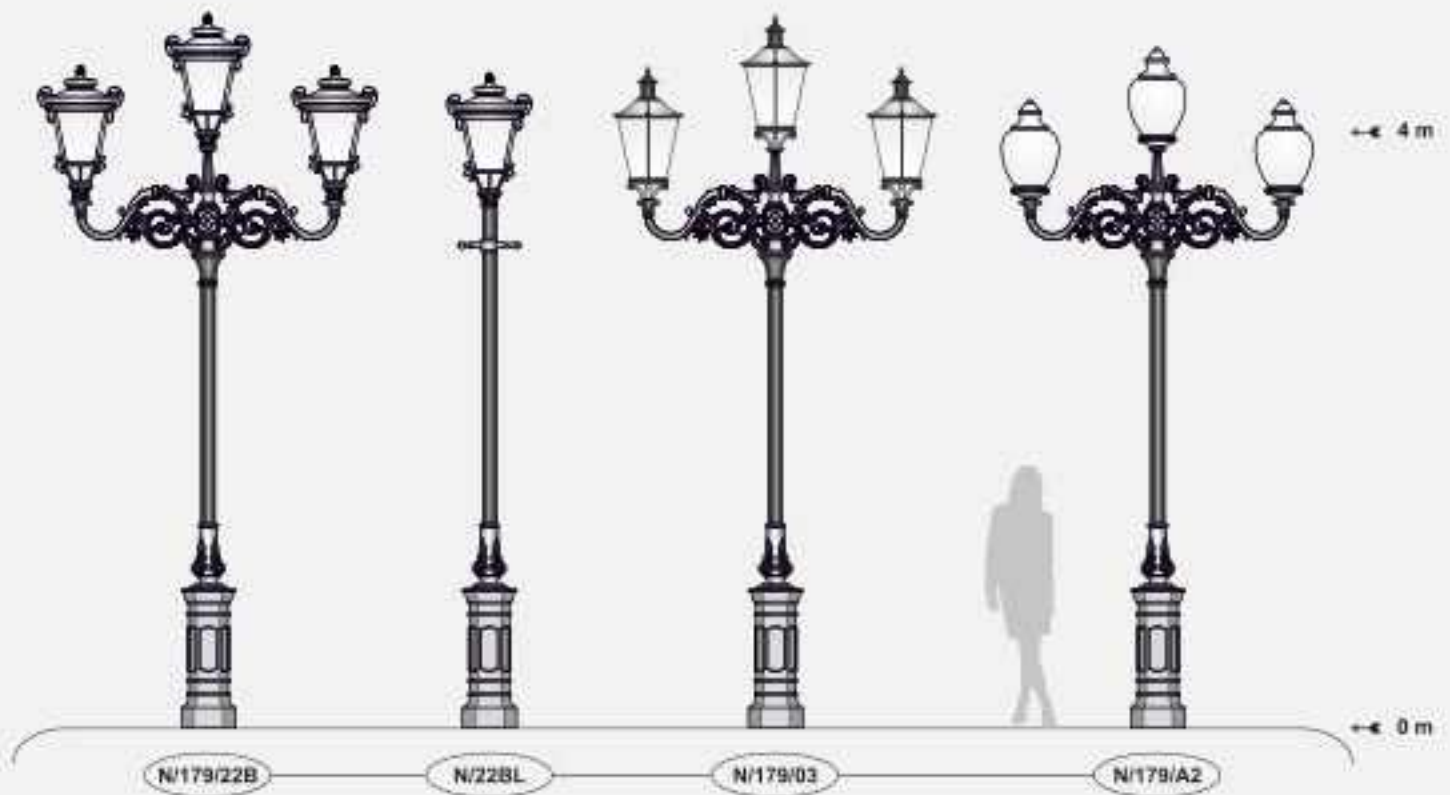
0 m →

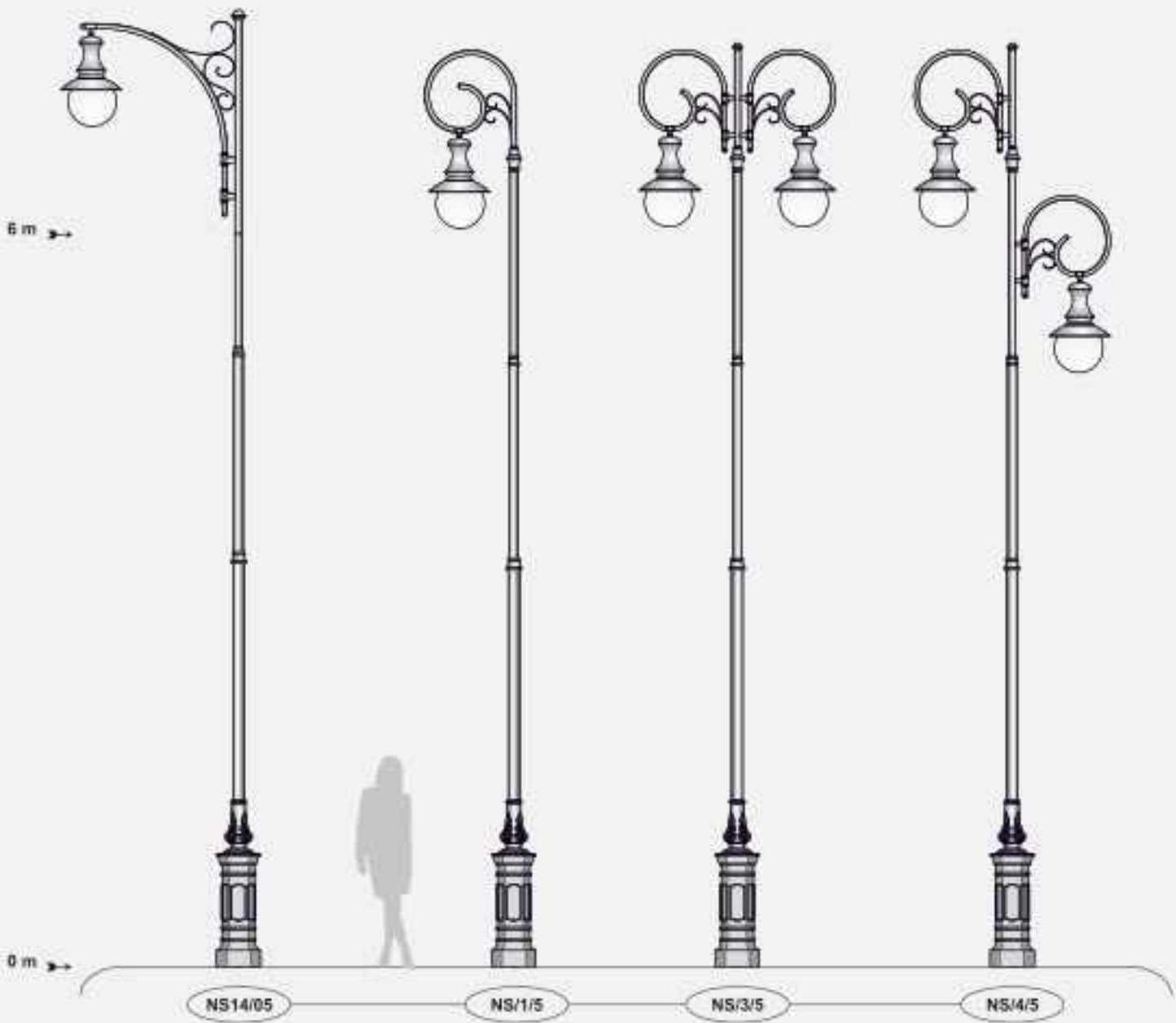
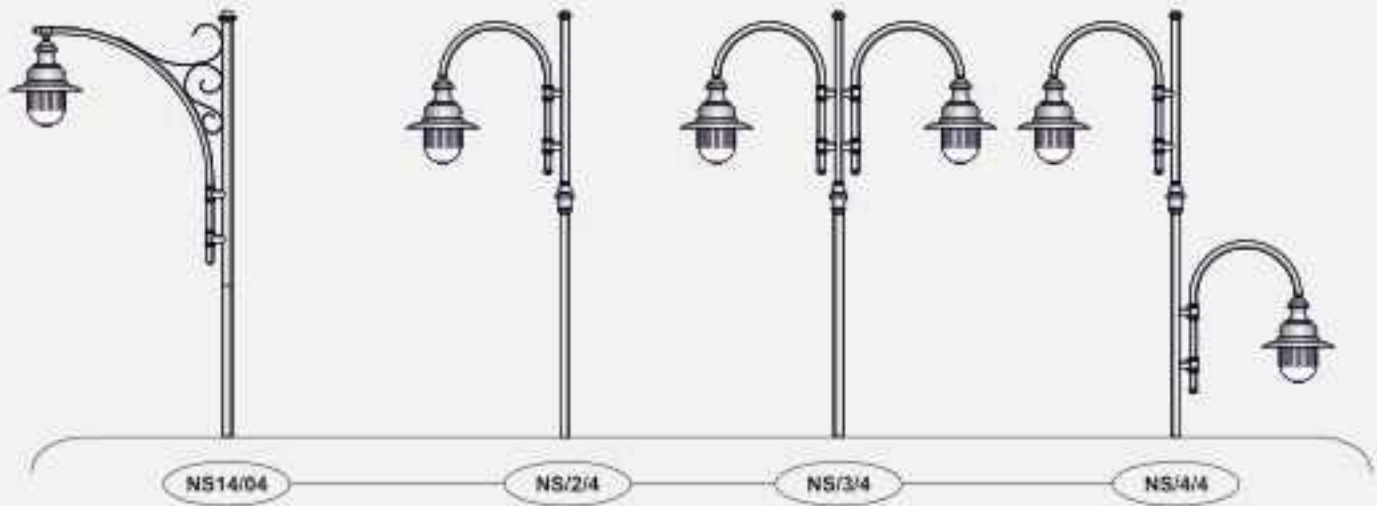
latarnie typu N

CLASSICAL STREETLIGHTS, TYPE „N“



97







OPRAWY NAŚCIENNE typu NA

OPRAWY NAŚCIENNE
WALL LUMINARIES

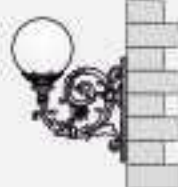
NA



NA10



NA37



NA16



NA19



NA11



NA38



NA17



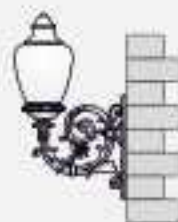
NA20



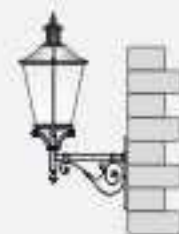
NA12



NA15



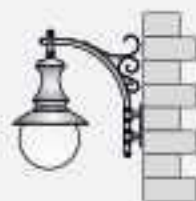
NA18



NA21



NA39



NA40



NA31



NA28



NA27



NA41



NA33



NA29



NA42



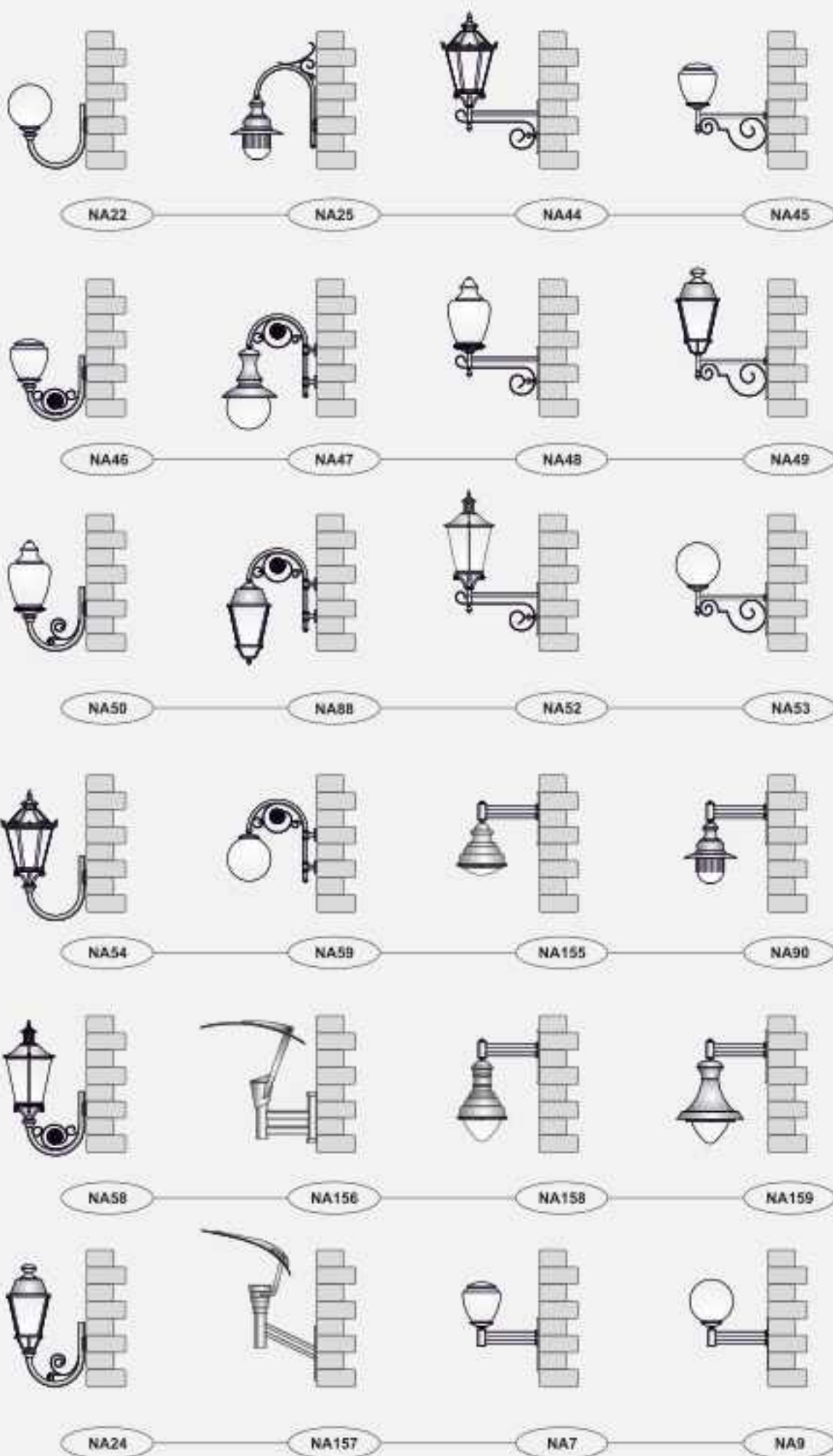
NA43

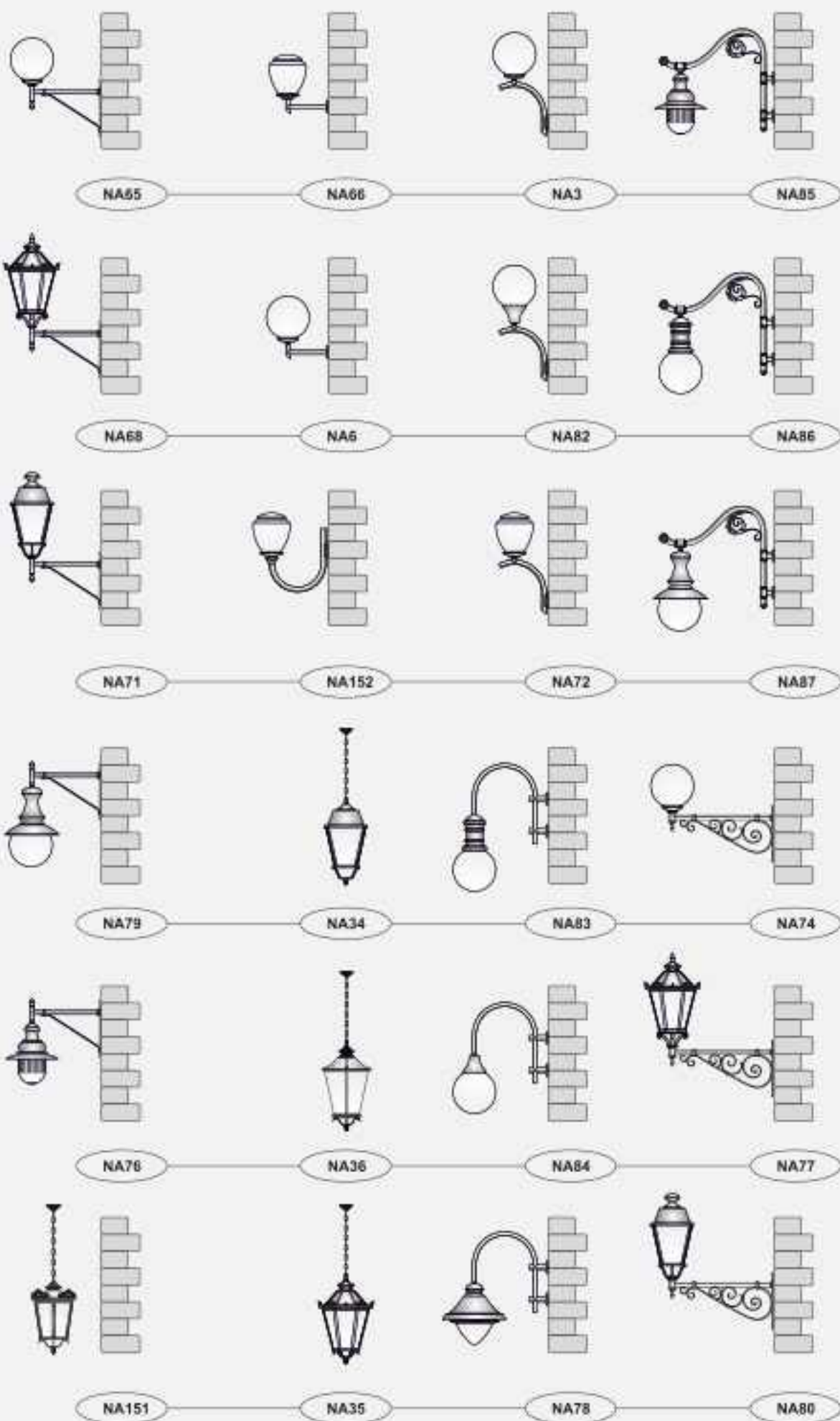


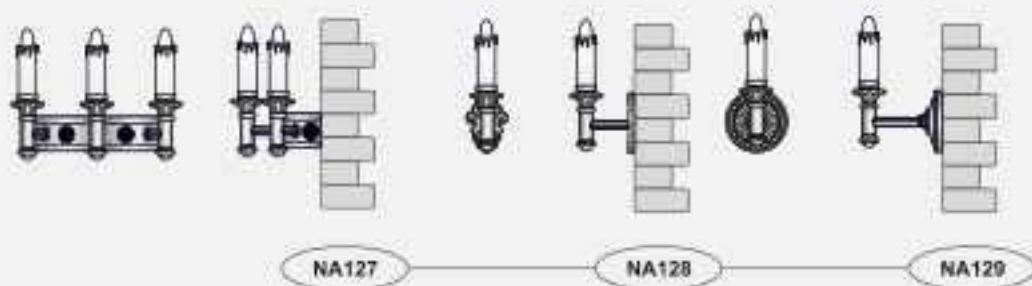
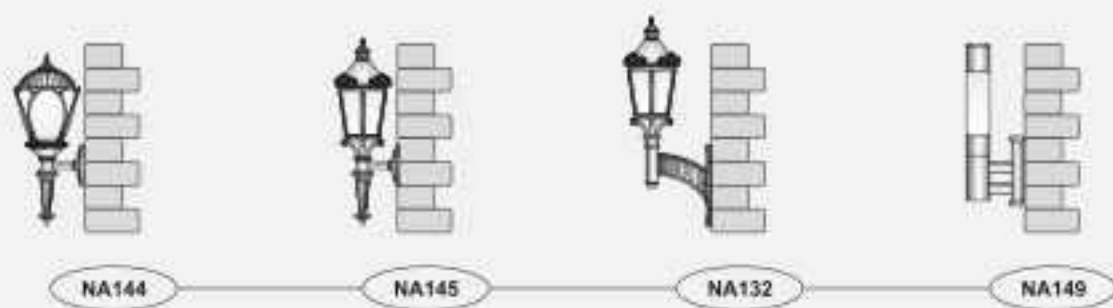
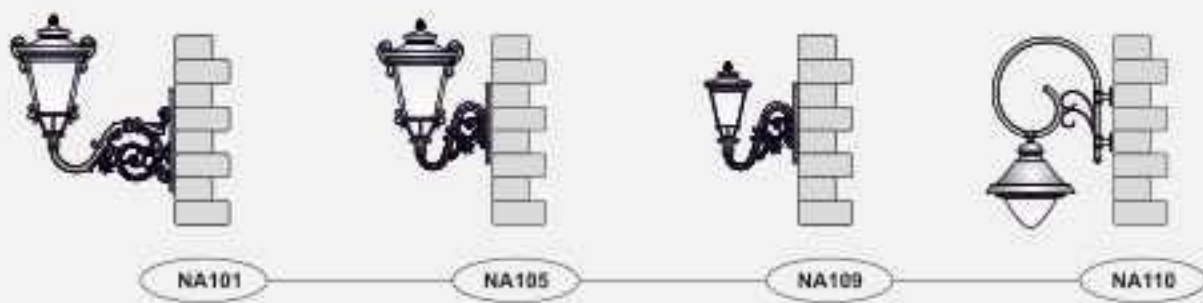
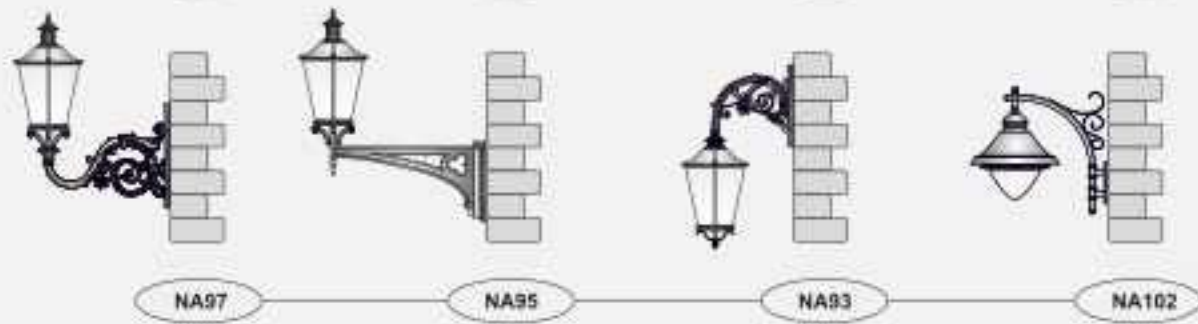
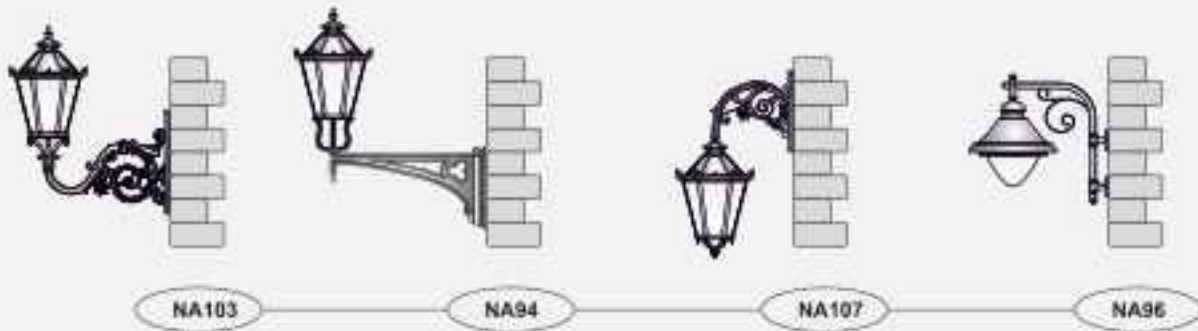
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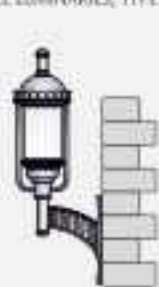


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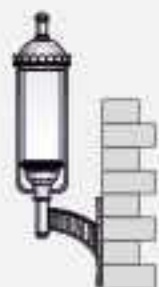








NA111



NA112



NA113



NA114



NA115



NA142



NA124



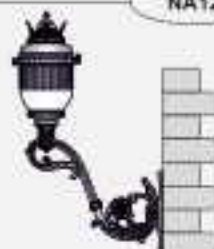
NA121



NA116



NA119



NA125



NA126



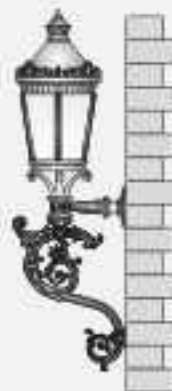
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NA142



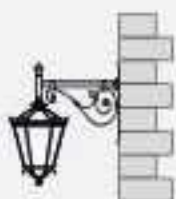
NA143



NA131



NA153



NA141



AM/NA



MC/NA



LP4



LP5



ME/NA



LP1



LP2



LP3



ŻYRANDOLE typ ZR

ŻYRANDOLE
CHANDELIERS

ZR



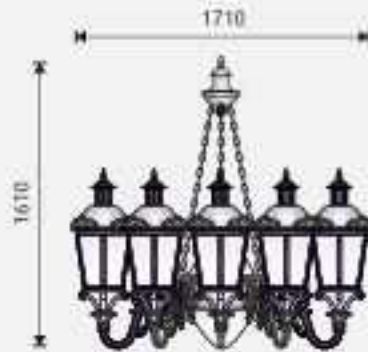
zyrandole ZR

CHANDELIERS

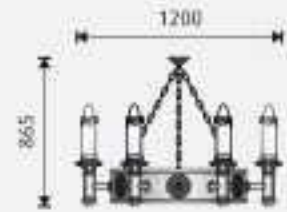
106



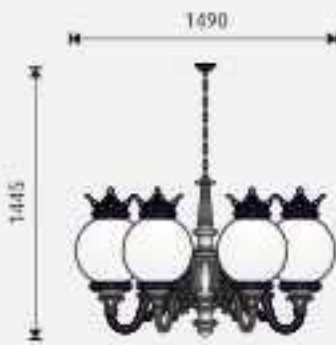
ZR/01/G03



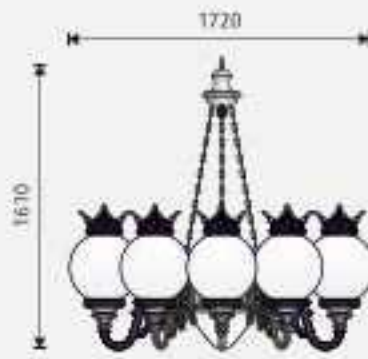
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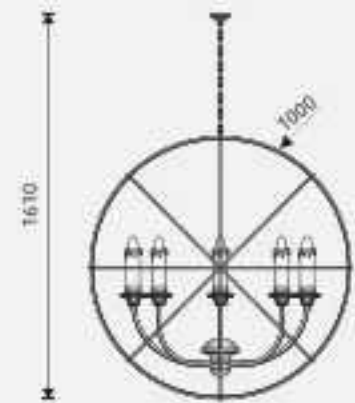
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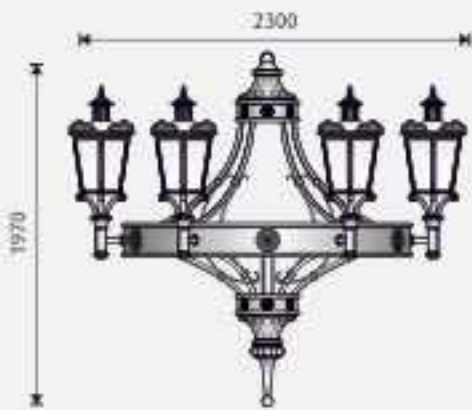
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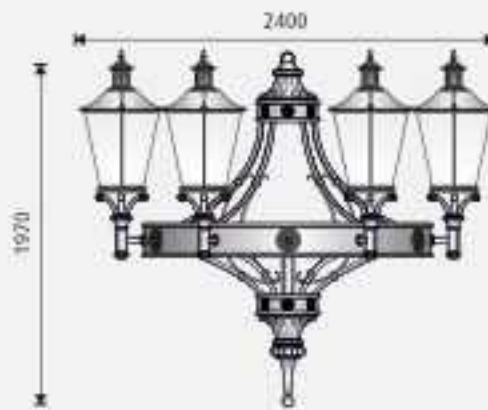
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ZR/10/SW02



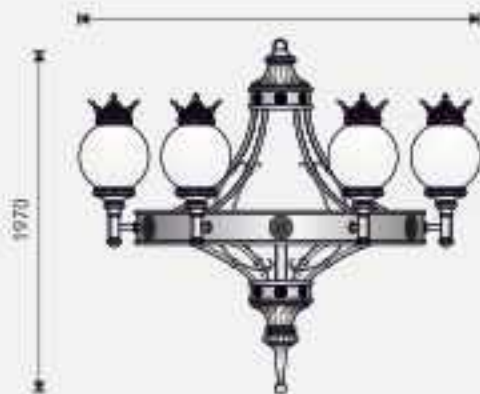
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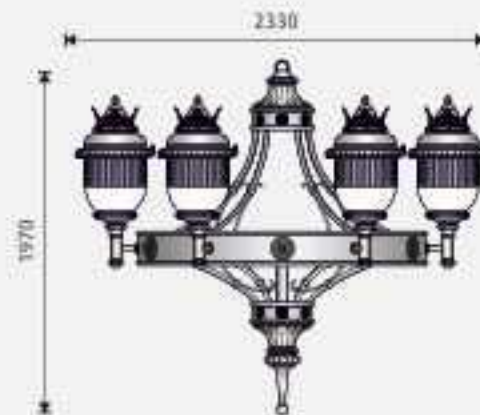
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ZR/11



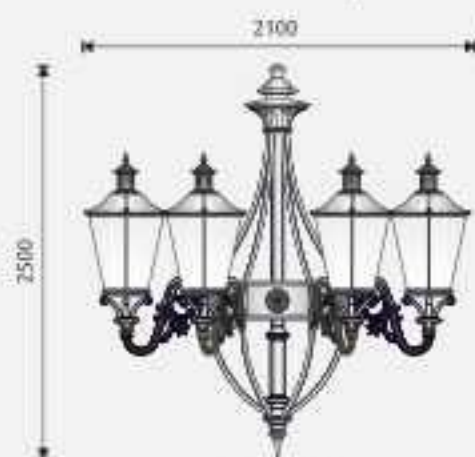
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ZR/03/18B



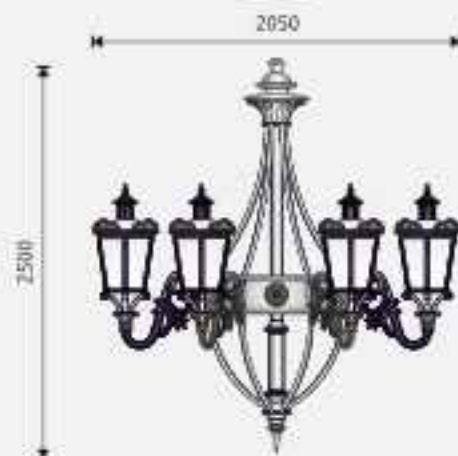
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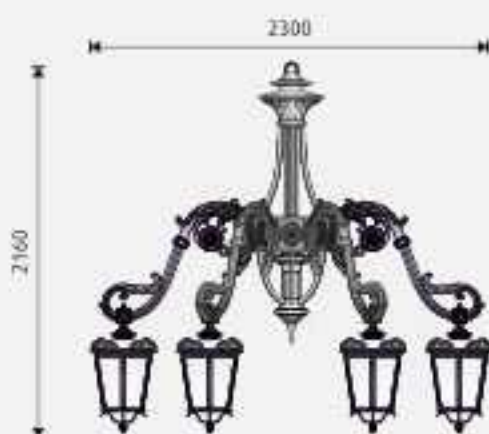
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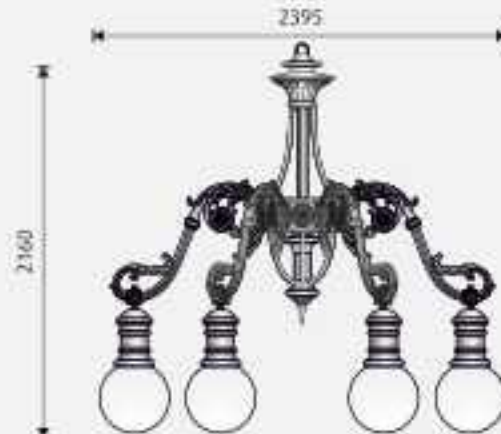
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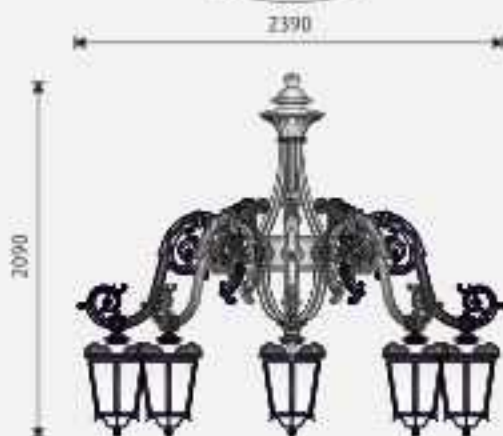
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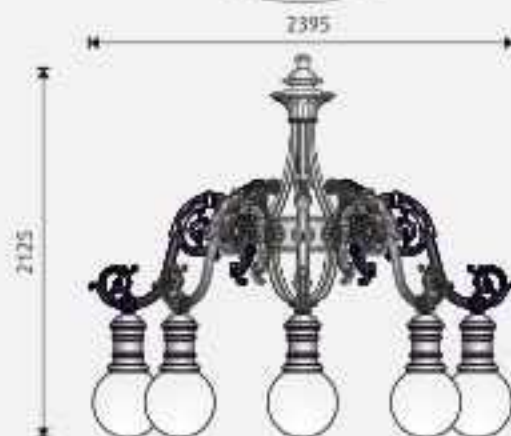
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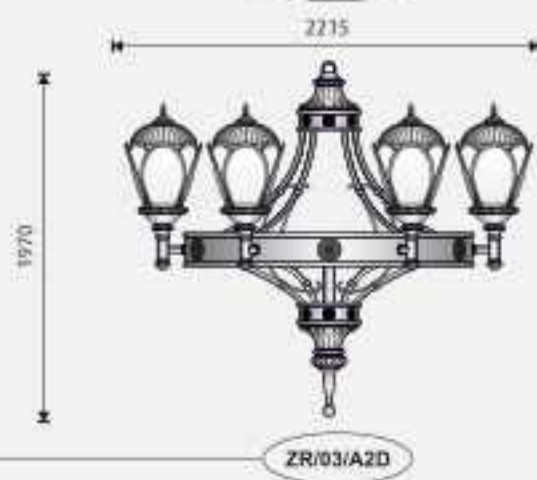
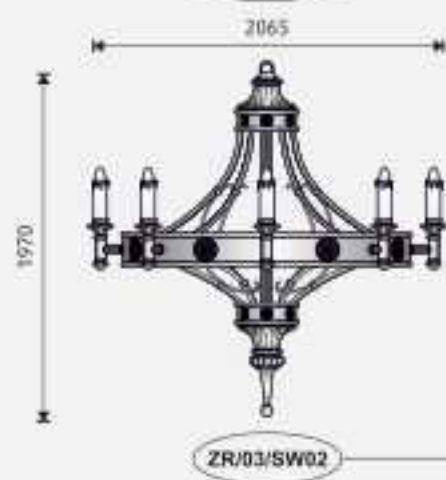
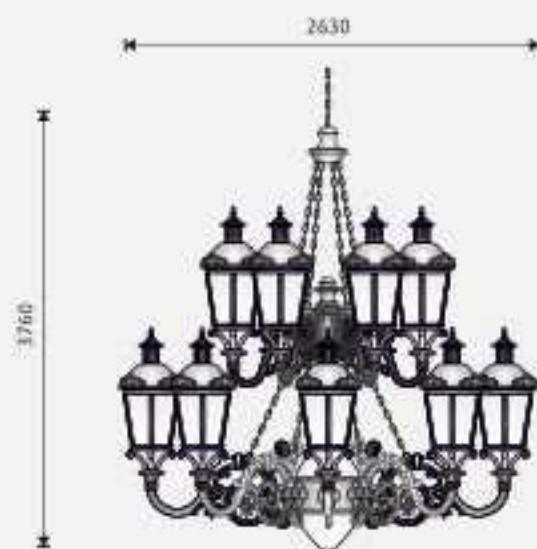
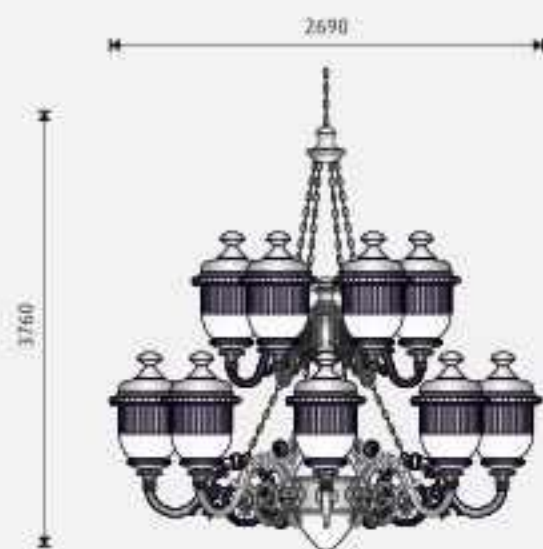
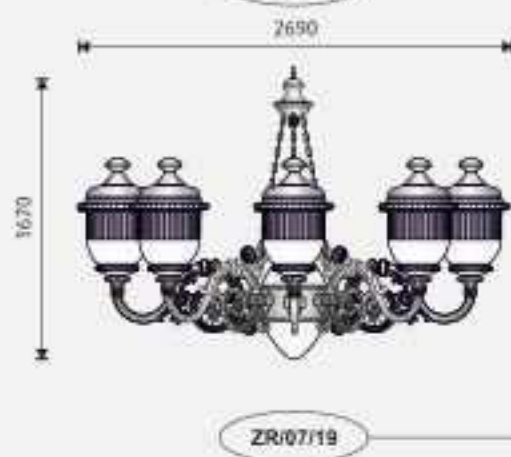
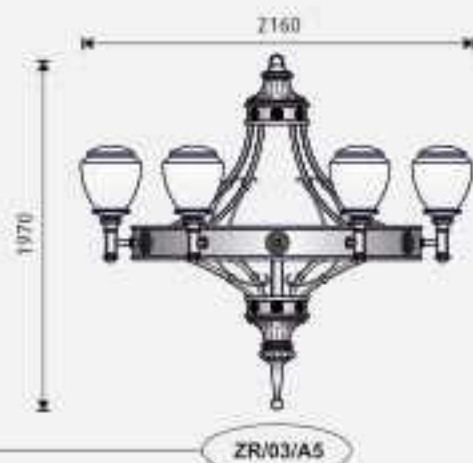
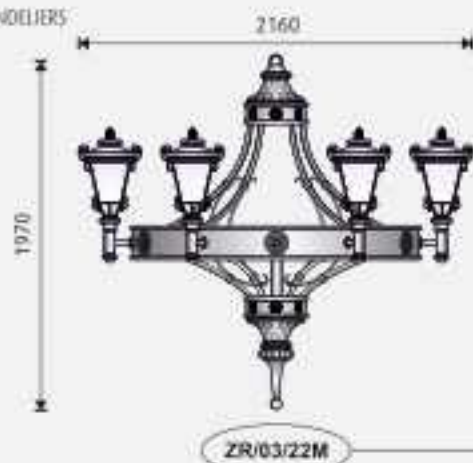
ZR/04/G07



ZR/05/G02



ZR/05/G07





MAŁA ARCHITEKTURA

MA

MAŁA ARCHITEKTURA
SMALL ARCHITECTURE



LA5

Lawki:

- odlew żeliwny zabezpieczony antykorozyjnie
- przygotowany do mocowania z podłożem
- siedzisko z drewna egzotycznego, zaimpregnowane

Benches:

- cast iron elements
- seat made of impregnated, exotic wood
- ready for site installation



LA9



LA6



LA7



LA8



LA2



LA4



LA1

Kosze

- rura stalowa z aluminiowymi elementami ozdobnymi
- pojemnik z blachy stalowej ocynkowanej
- mocowanie bezpośrednio w gruncie lub kotwione do podłoża
- opcjonalnie w wersji z daszkiem

Litter bins

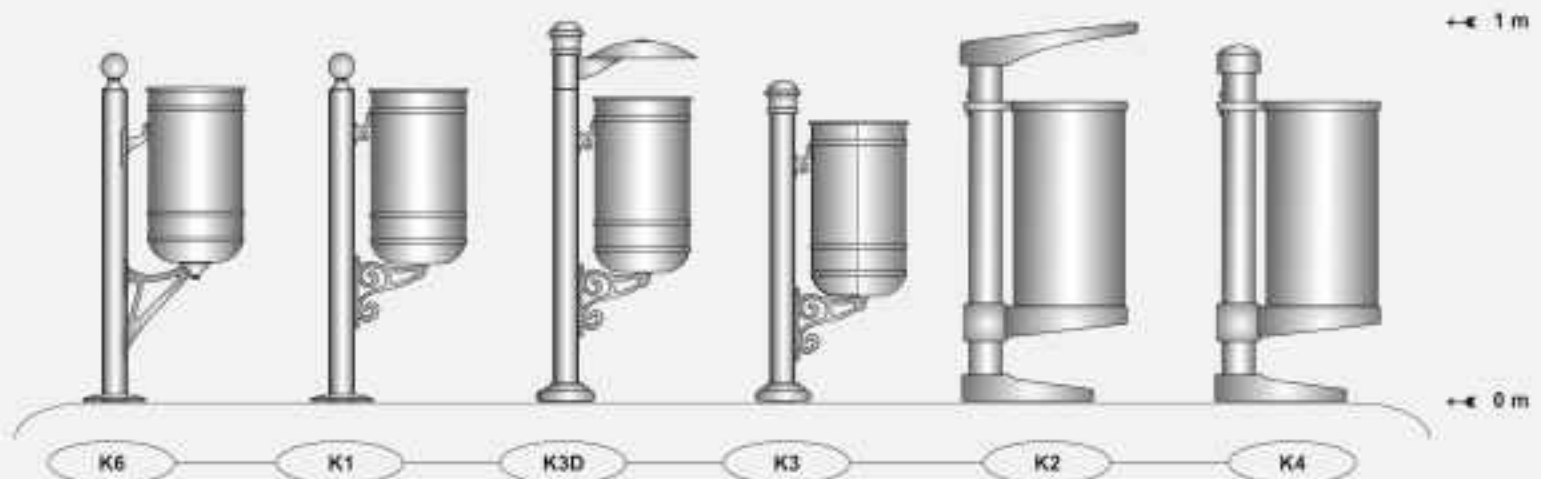
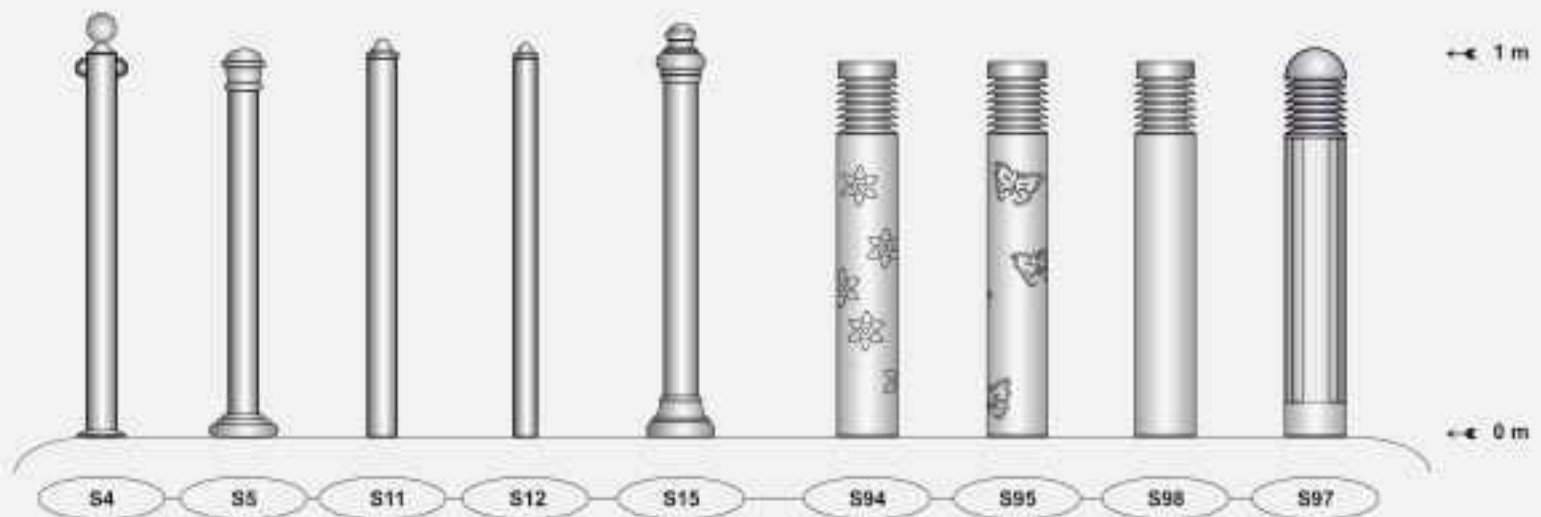
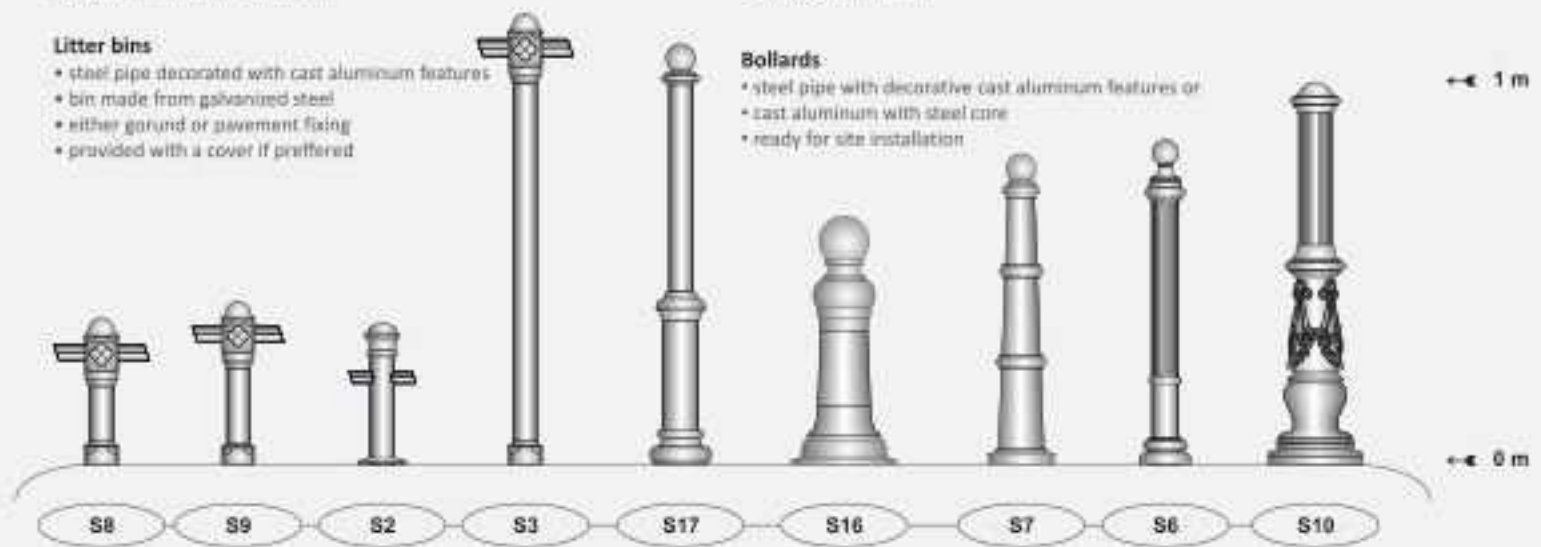
- steel pipe decorated with cast aluminum features
- bin made from galvanized steel
- either ground or pavement fixing
- provided with a cover if preferred

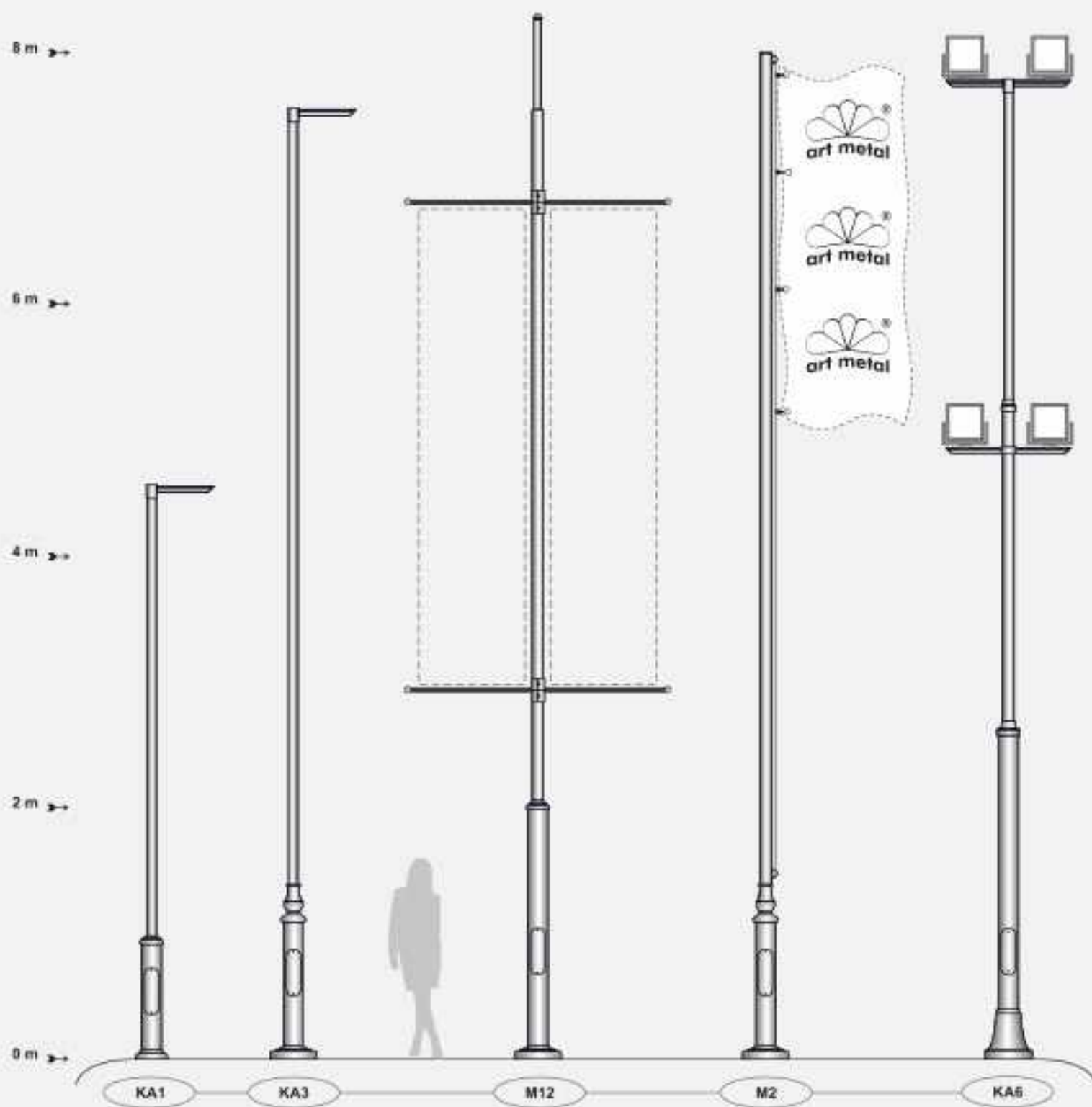
Słupki

- stalowa rura z aluminiowymi elementami ozdobnymi lub
- odlew aluminiowy ze stalowym rdzeniem
- gotowe do montażu

Bollards

- steel pipe with decorative cast aluminum features or
- cast aluminum with steel core
- ready for site installation





Zdroje do wody:

- konstrukcja odlewana żeliwna
- wylewki mosiężne - odkręcana z kurkiem lub czasowa z przyciskiem
- instalacja wewnętrzna nie wchodzi w skład zestawu
- zalecany montaż zaworu redukującego ciśnienie wody do 0,1 MPa

Water fountains:

- made from cast iron
- bronze taps - traditional or with time setting to control the water supply
- internal fitting is included into set
- reduction 0,1 MPa valve advised



wylewka z przyciskiem

←← 1 m



wylewka odkręcana

←← 0 m

Z03

Z04

2,5 m →→



Pompy uliczne - ręczne:

- odlewane z żeliwa stylowe urządzenie służące do ręcznego tłoczenia wody

Steel pumps - hand operated:

- cast iron, hand operated classical installation



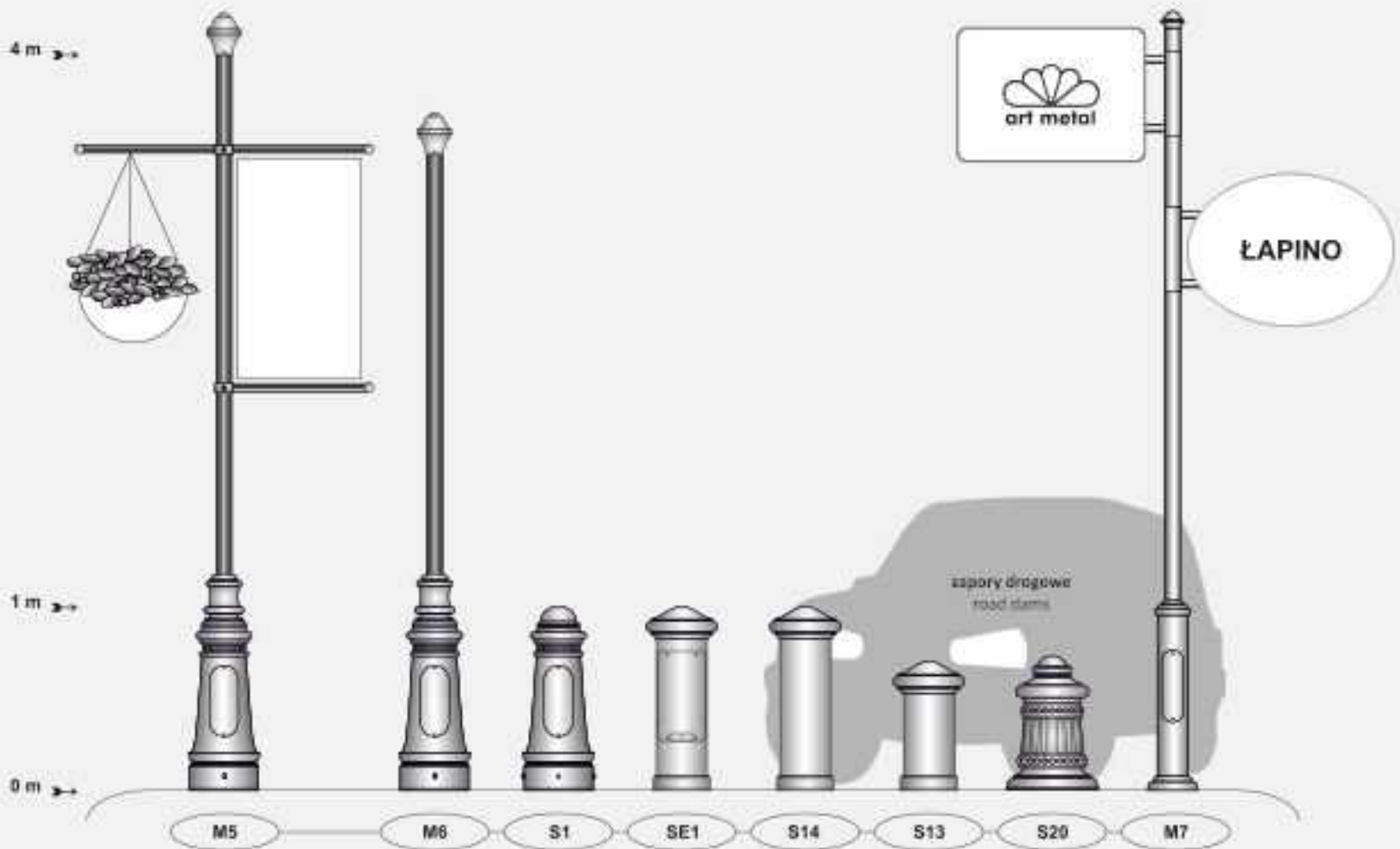
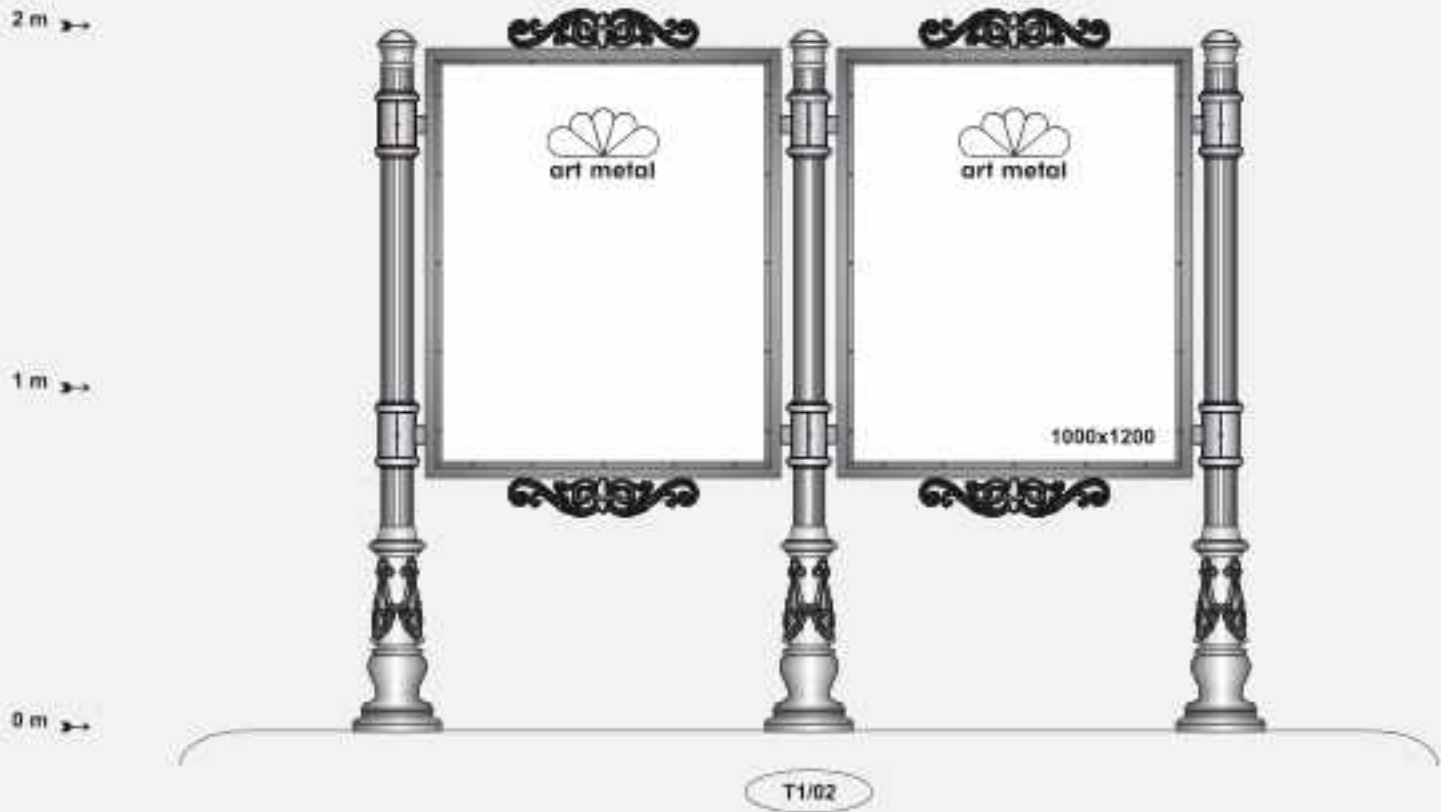
←← 1,5 m

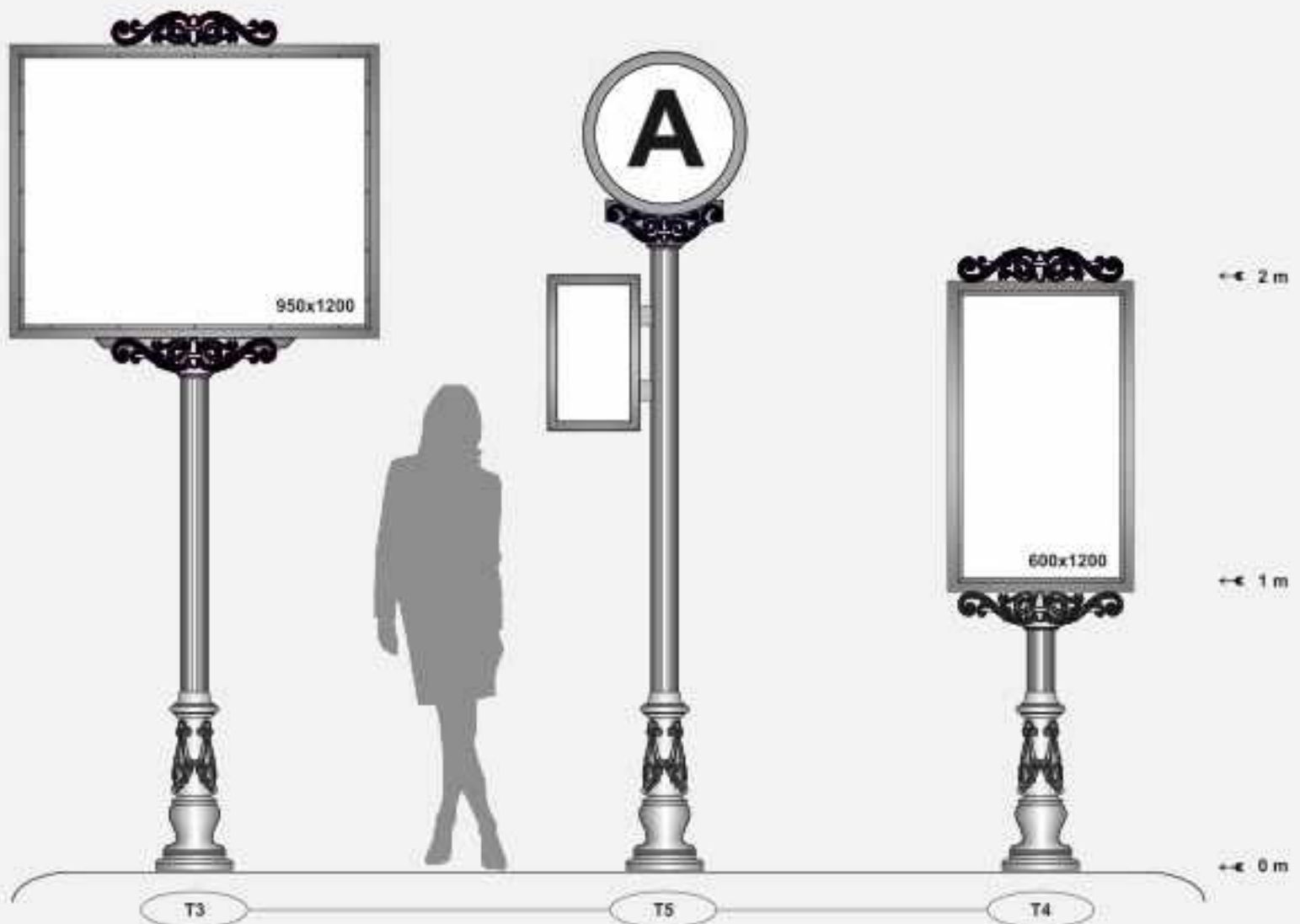
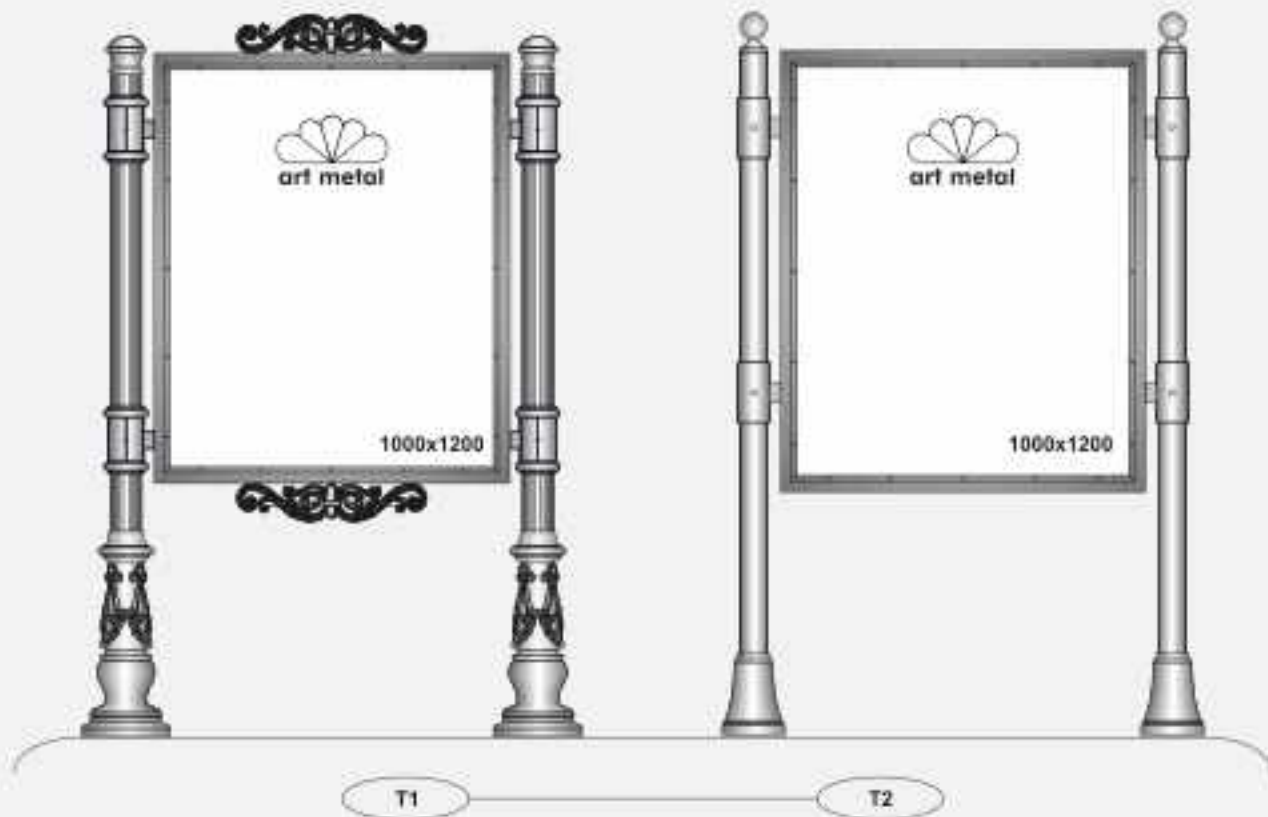
0 m →→

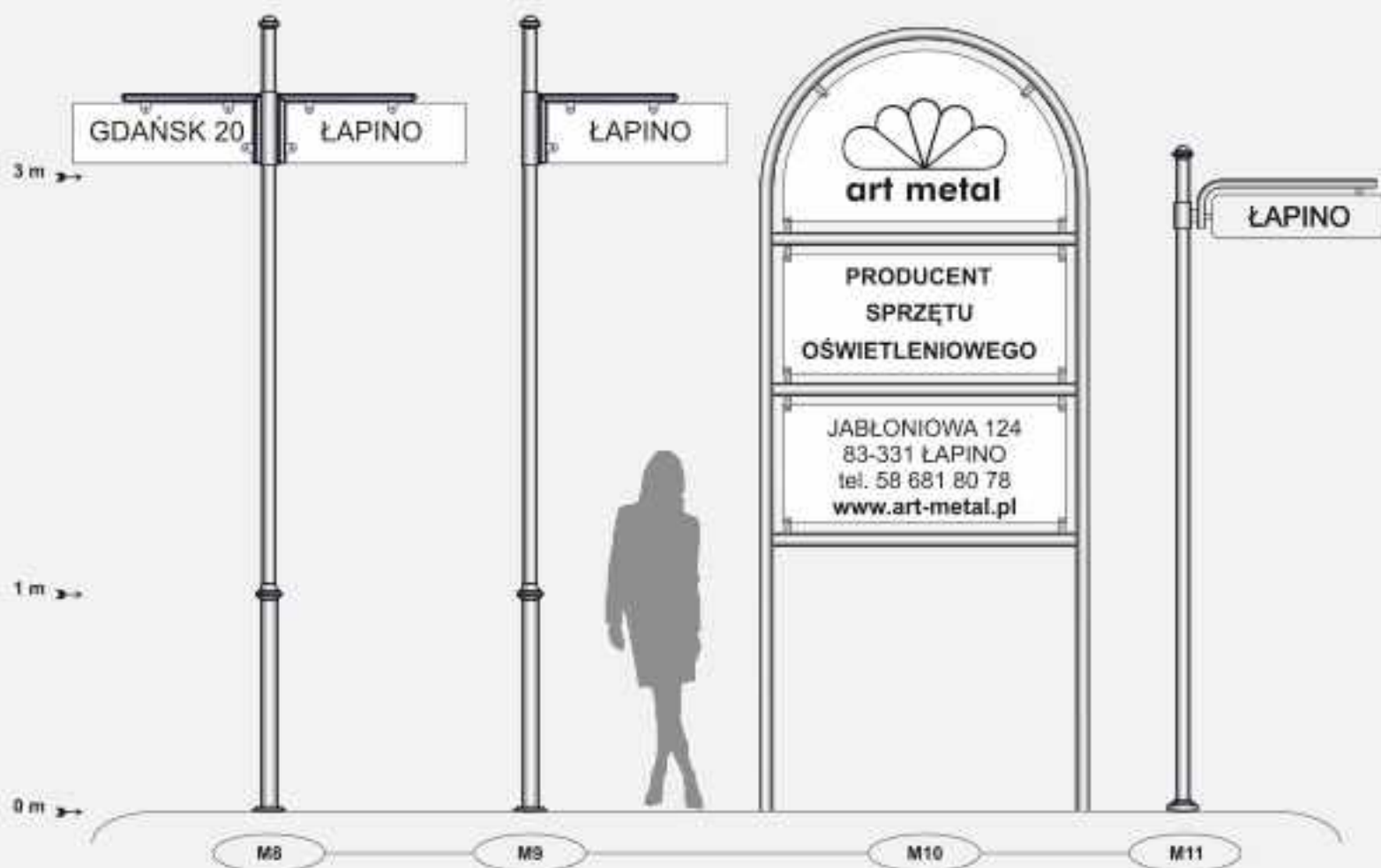
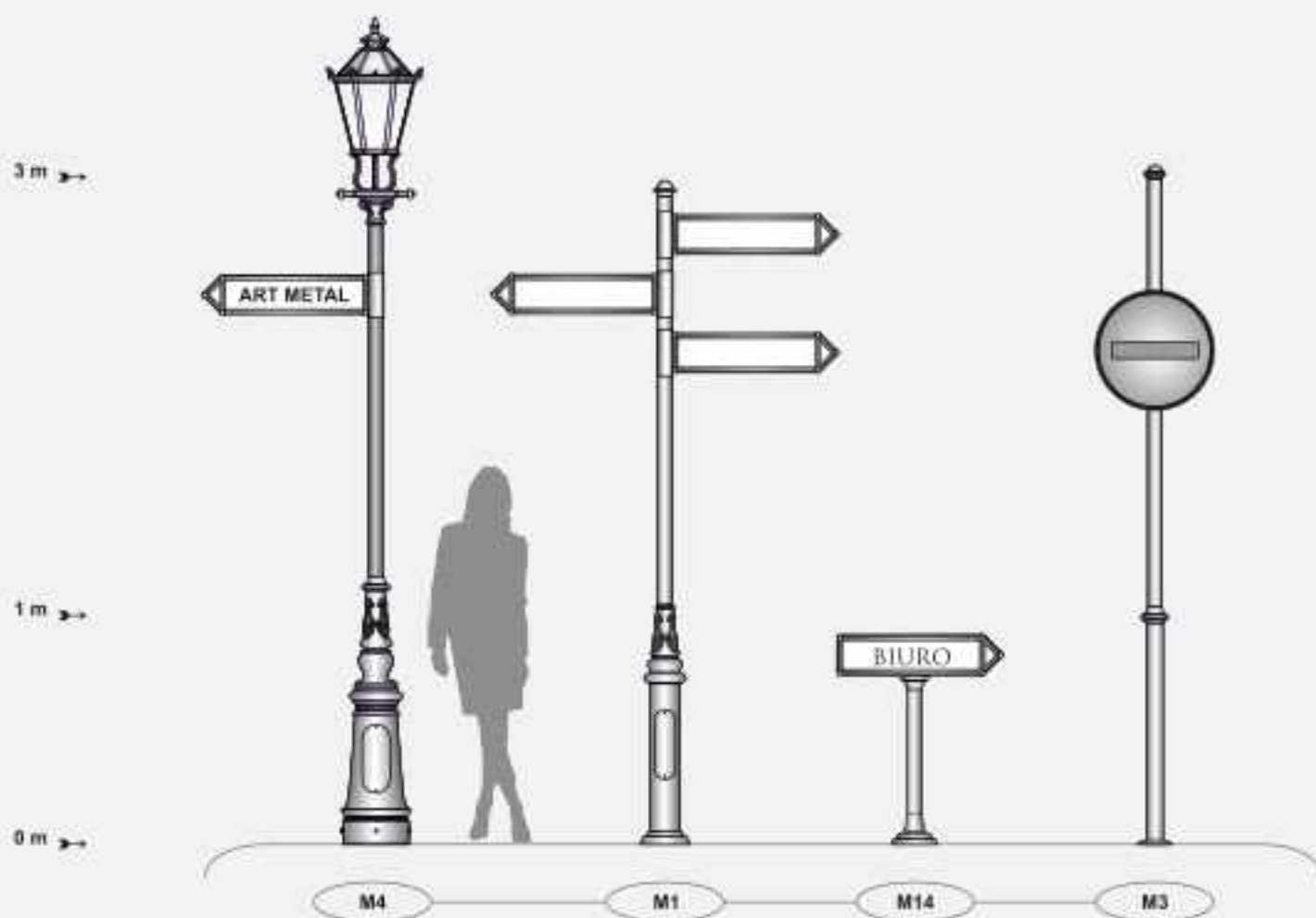
←← 0 m

H3

H1





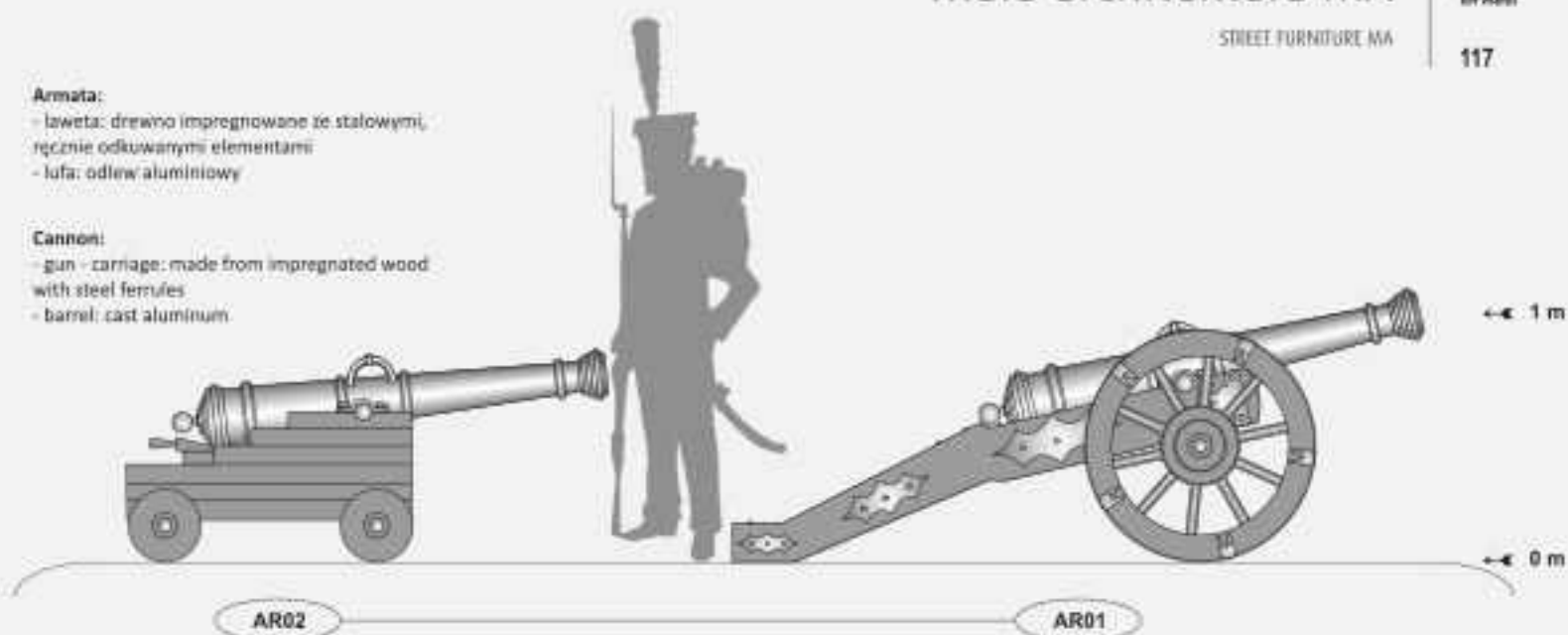


Armata:

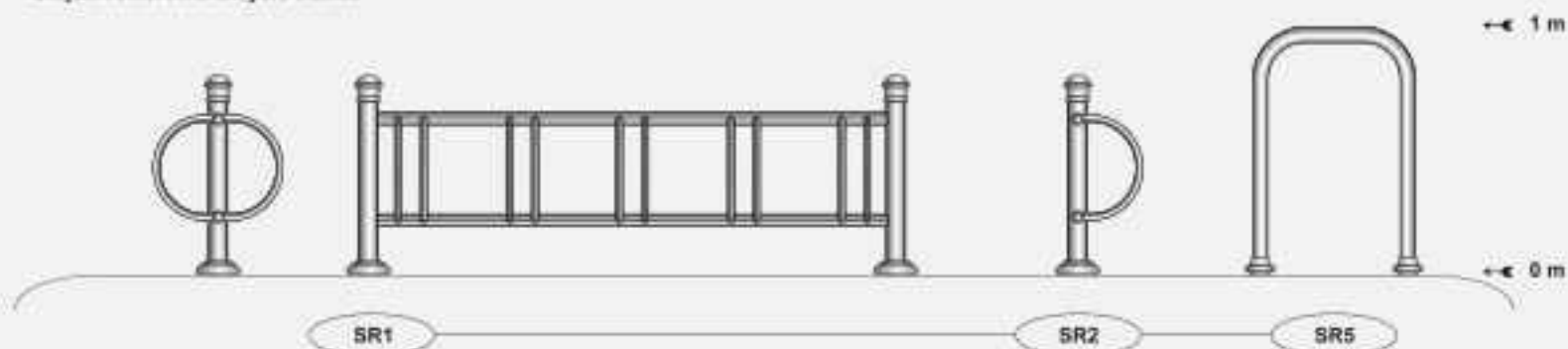
- laweta: drewno impregnowane ze stalowymi, ręcznie odkuwanymi elementami
- lufa: odlew aluminiowy

Cannon:

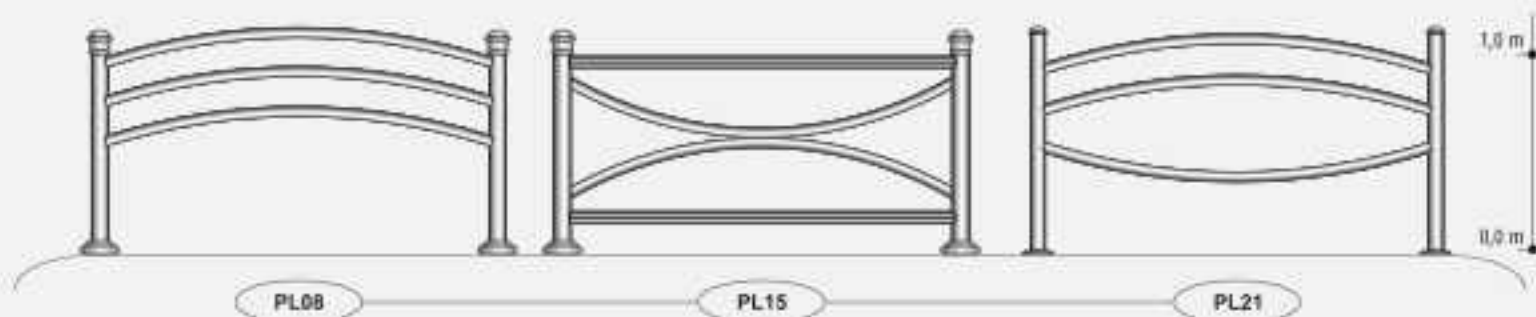
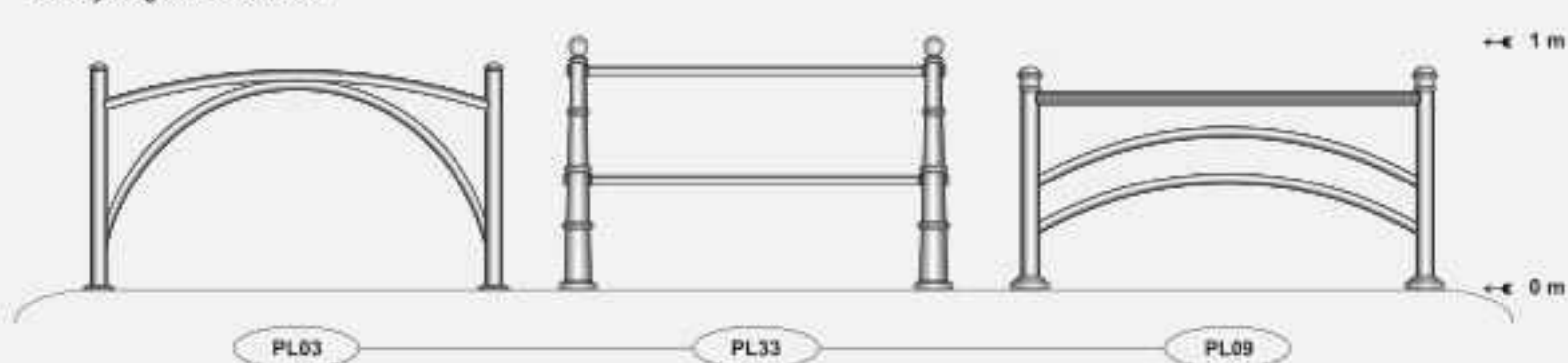
- gun - carriage: made from impregnated wood with steel ferrules
- barrel: cast aluminum

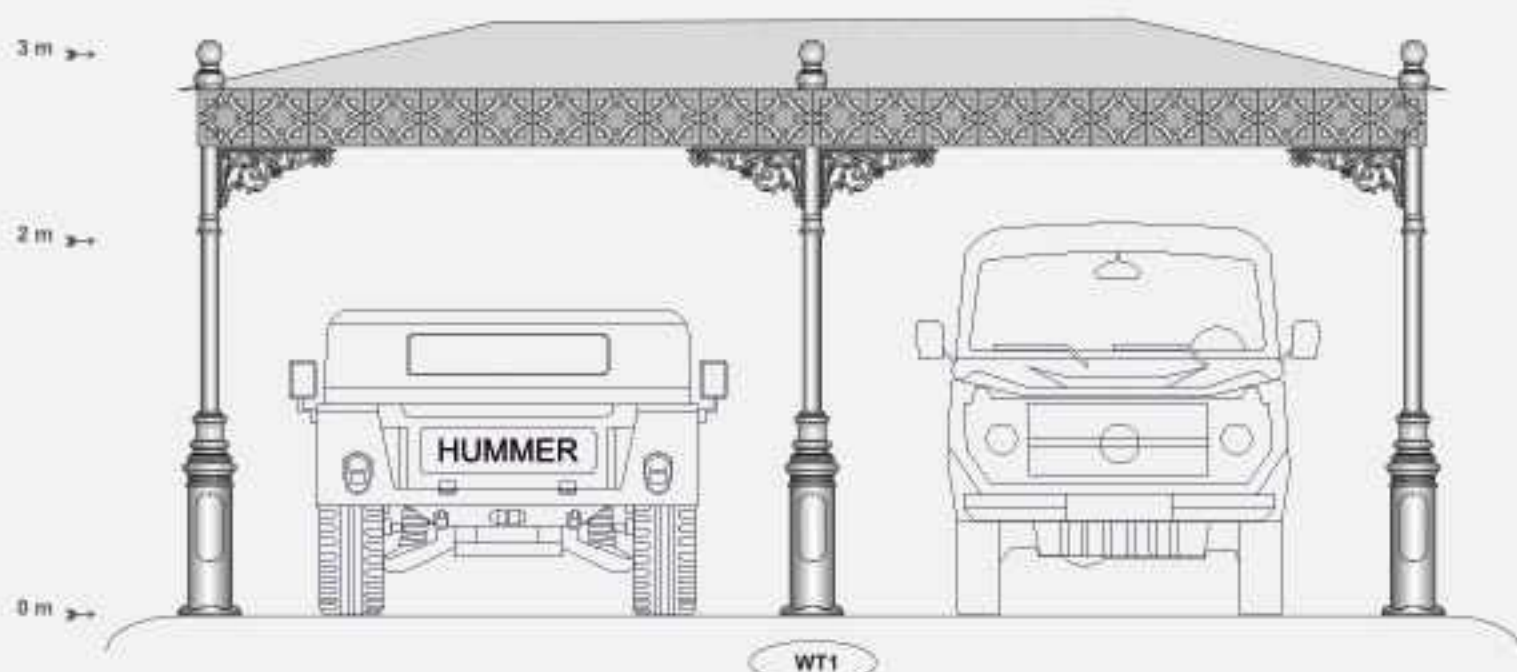


Stojaki rowerowe/ Bicycle stands



Bariery drogowe/ Road dams



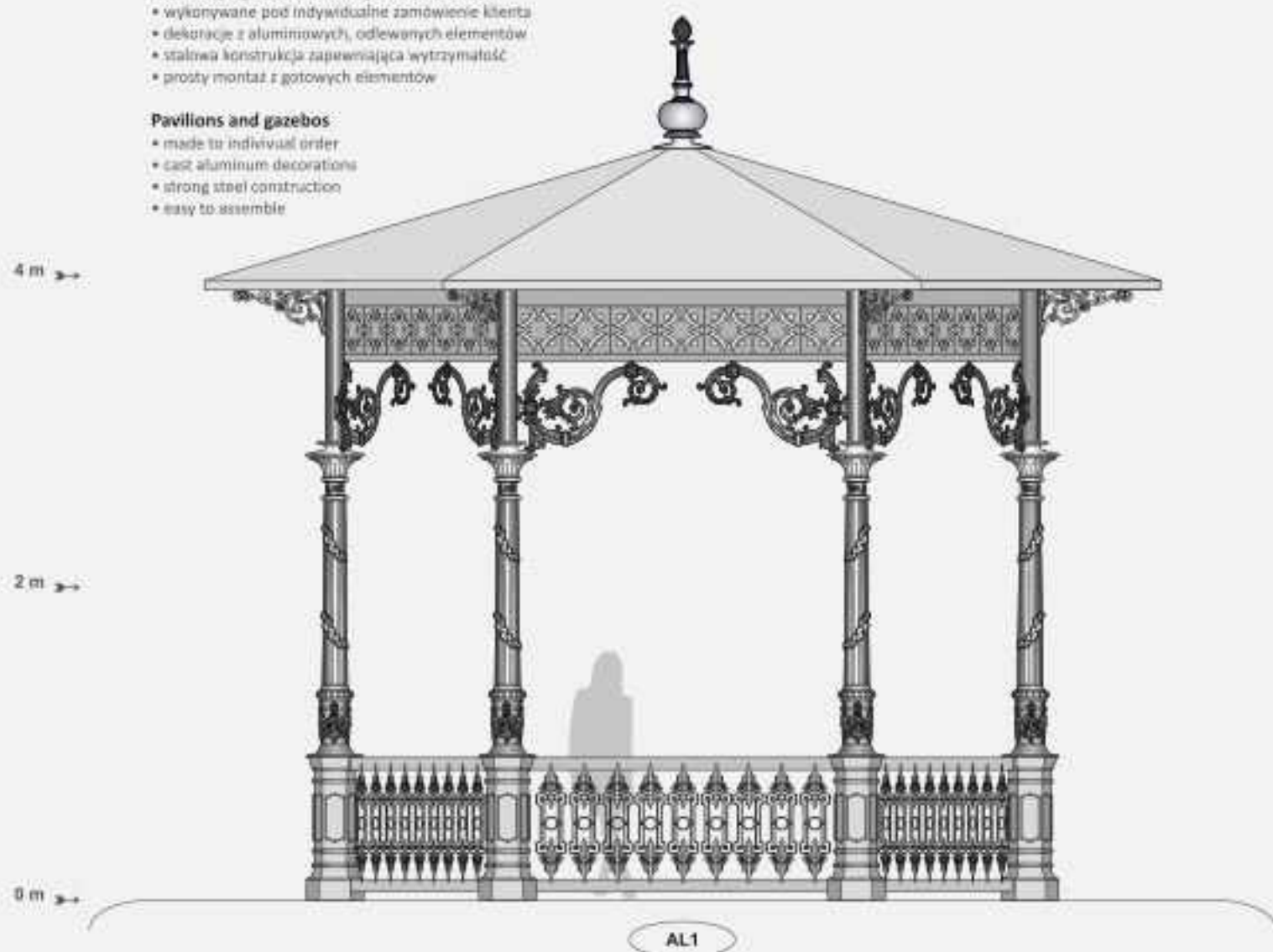


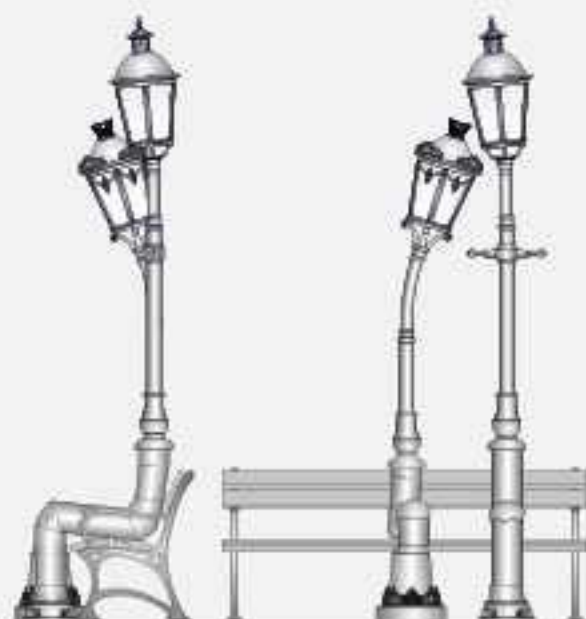
Pawilony ogrodowe i wiaty samochodowe

- wykonywane pod indywidualne zamówienie klienta
- dekoracje z aluminiowych, odlewanych elementów
- stalowa konstrukcja zapewniająca wytrzymałość
- prosty montaż z gotowych elementów

Pavilions and gazebos

- made to individual order
- cast aluminum decorations
- strong steel construction
- easy to assemble





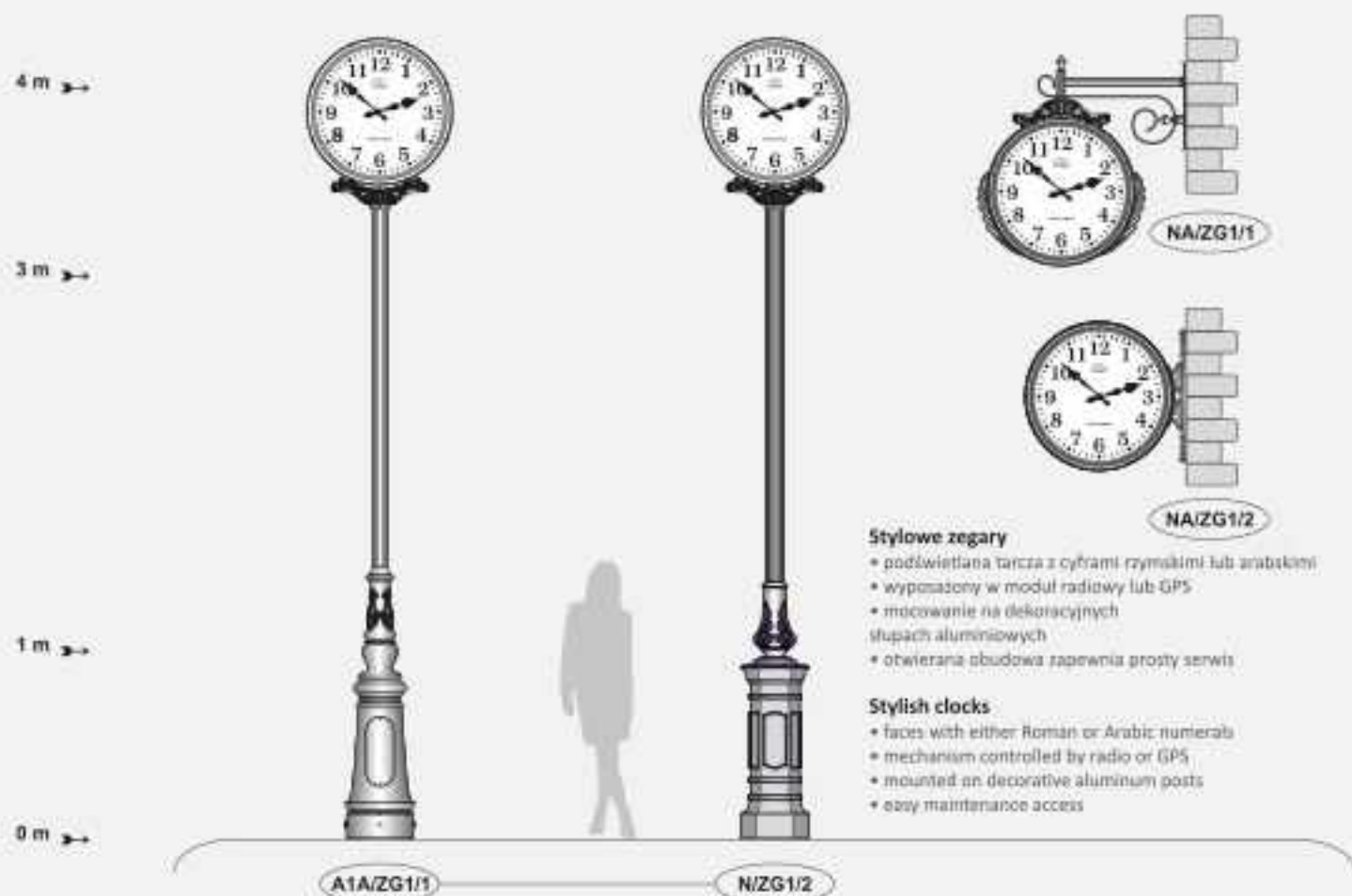
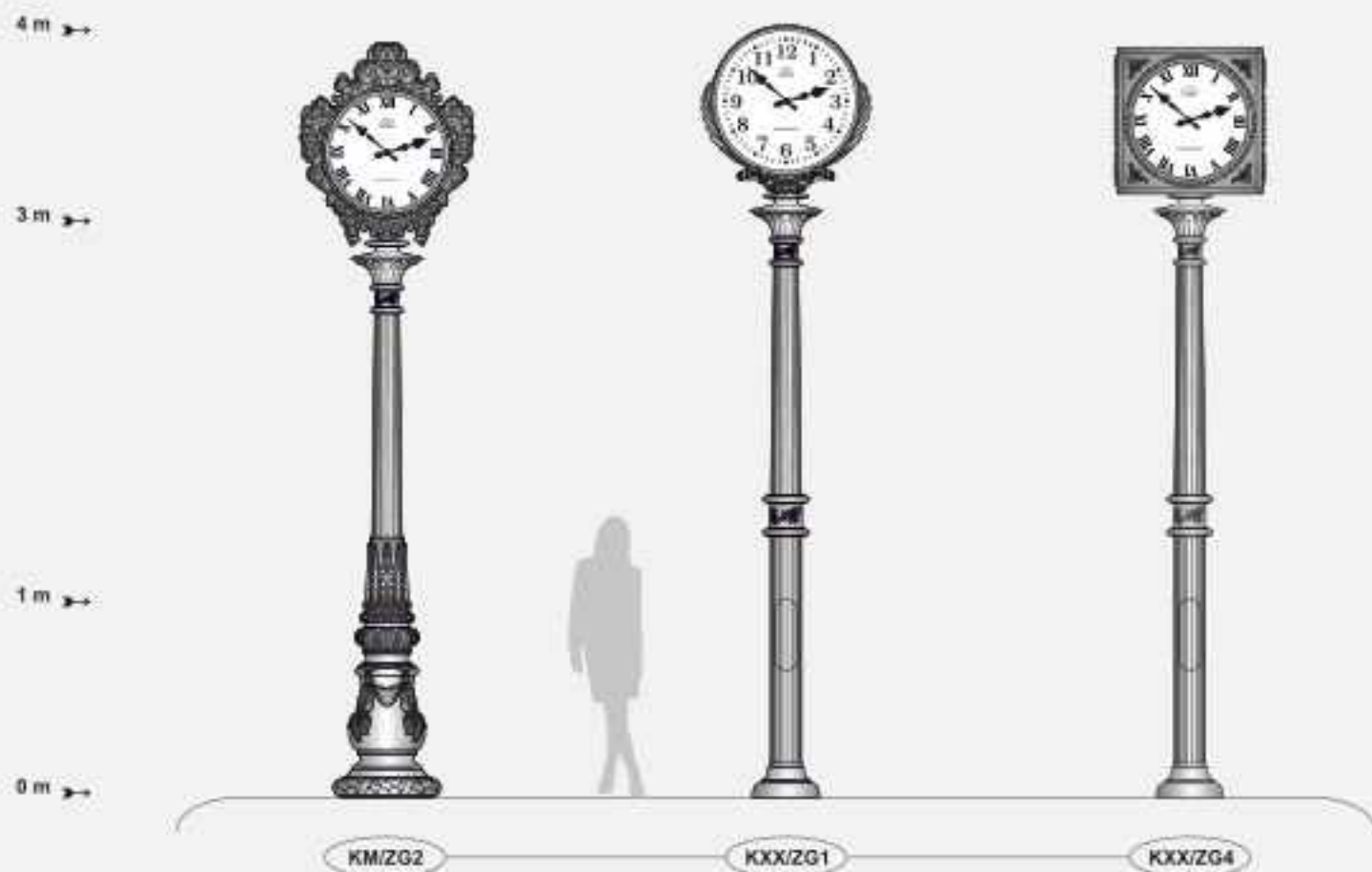
← 1 m

← 0 m

W39



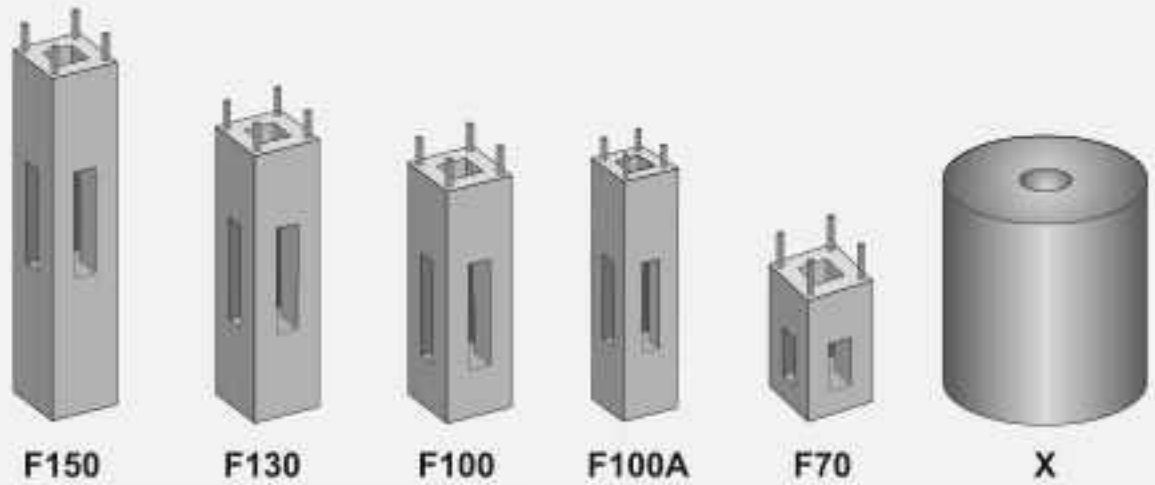
AL2





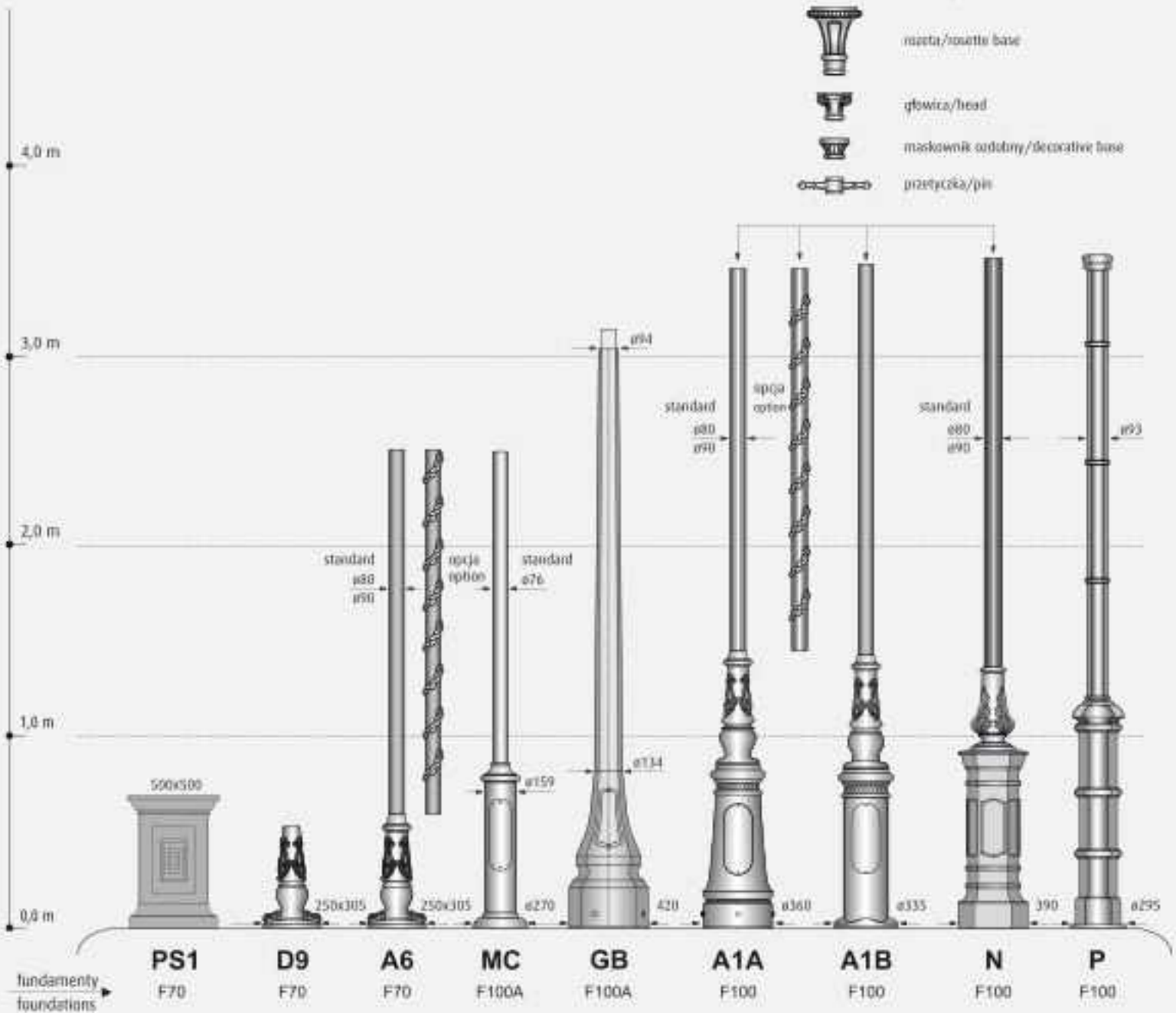
OPISY TECHNICZNE

OPISY TECHNICZNE
TECHNICAL DATA



Fundamenty prefabrykowane/ Preapred concrete foundations:

	F150	F130	F100	F100A	F70	X fundamenty
wymiar/dimension:	1500x350x350	1300x300x300	1000x300x300	1000x250x250	700x280x300	wykonywane na budowie
mocowanie/fixing:	220x220 4xM24	190x190 4xM20	190x190 4xM20	150x150 4xM16	180x235 4xM16	X foundations foundation work done on the building site

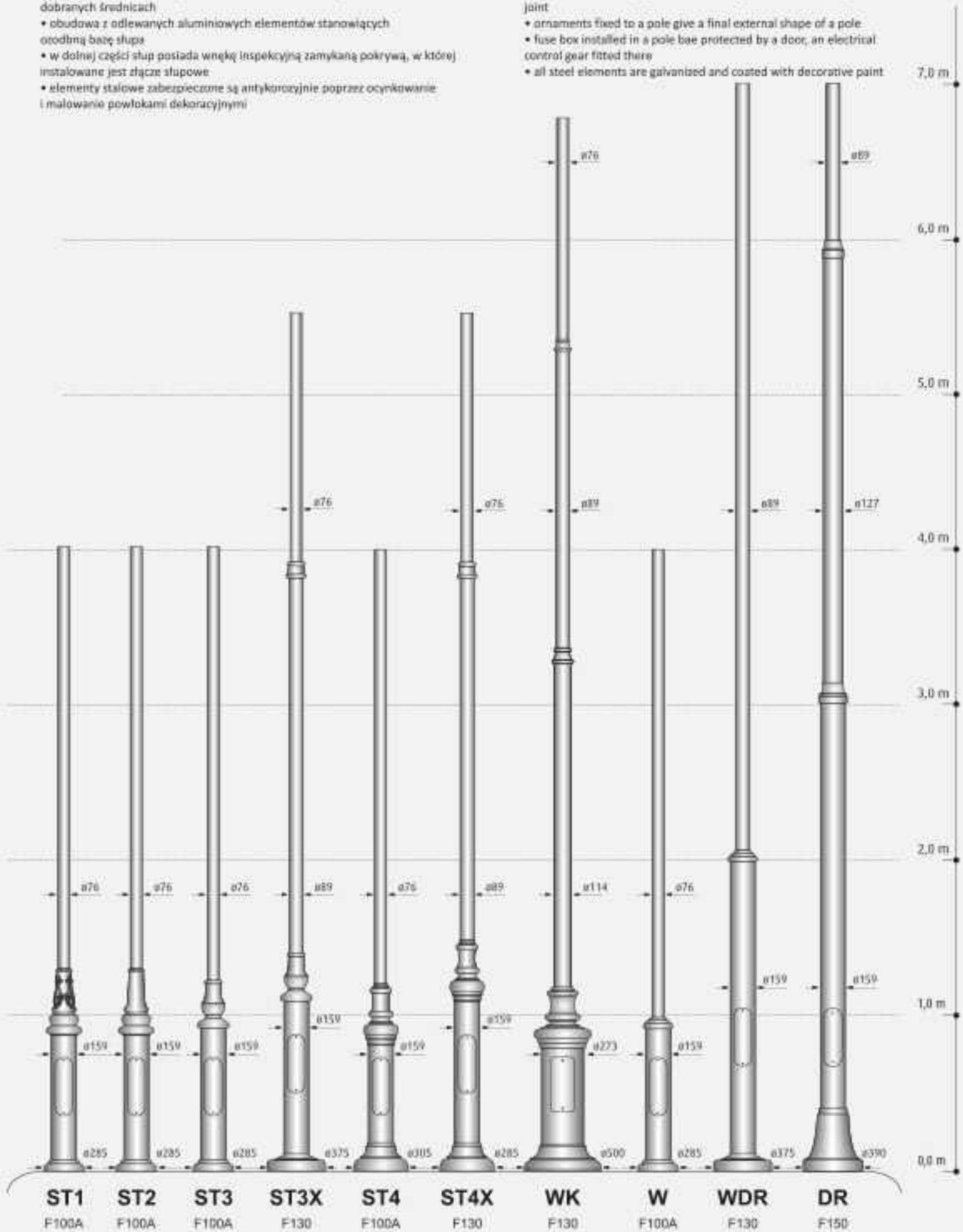


Konstrukcja słupa:

- teleskopowo łączone rury stalowe lub aluminiowe o odpowiednio dobranych średnicach
- obudowa z odlewanych aluminiowych elementów stanowiących otoczną bazę słupa
- w dolnej części słupa posiada wnękę inspekcyjną zamykaną pokrywą, w której instalowane jest złącze słupowe
- elementy stalowe zabezpieczone są antykorozyjnie poprzez ocynkowanie i malowanie powłokami dekoracyjnymi

Pole construction:

- steel or aluminum pipes connected together with a telescopic joint
- ornaments fixed to a pole give a final external shape of a pole
- fuse box installed in a pole base protected by a door, an electrical control gear fitted there
- all steel elements are galvanized and coated with decorative paint



STANDARDOWE KOLORY I PATYNY



RAL 9005 (STANDARD)



RAL 7021 (STANDARD)



ART METAL 01



ART METAL 02



ART METAL 03



ART METAL 04



ART METAL 05



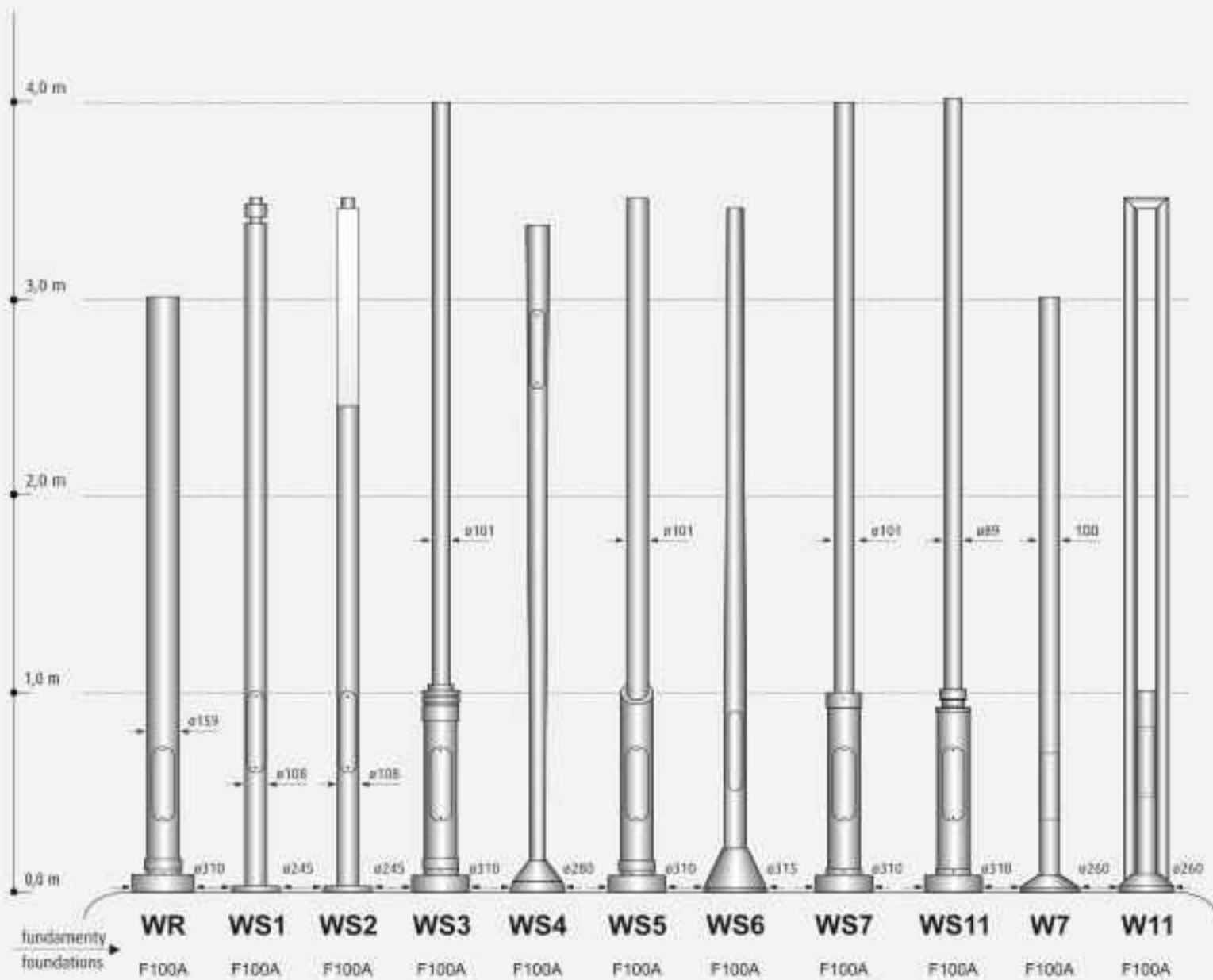
ART METAL 06

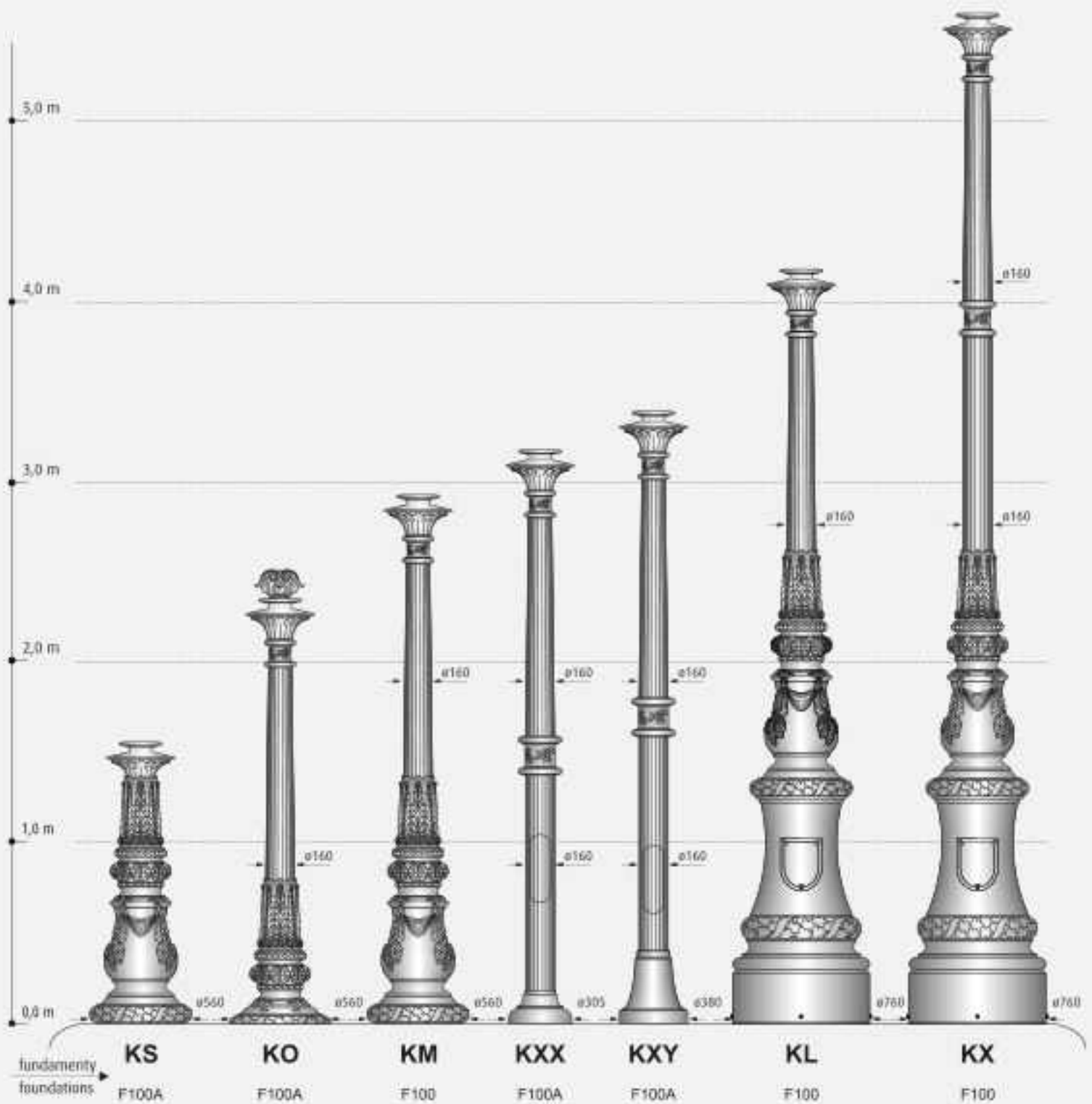


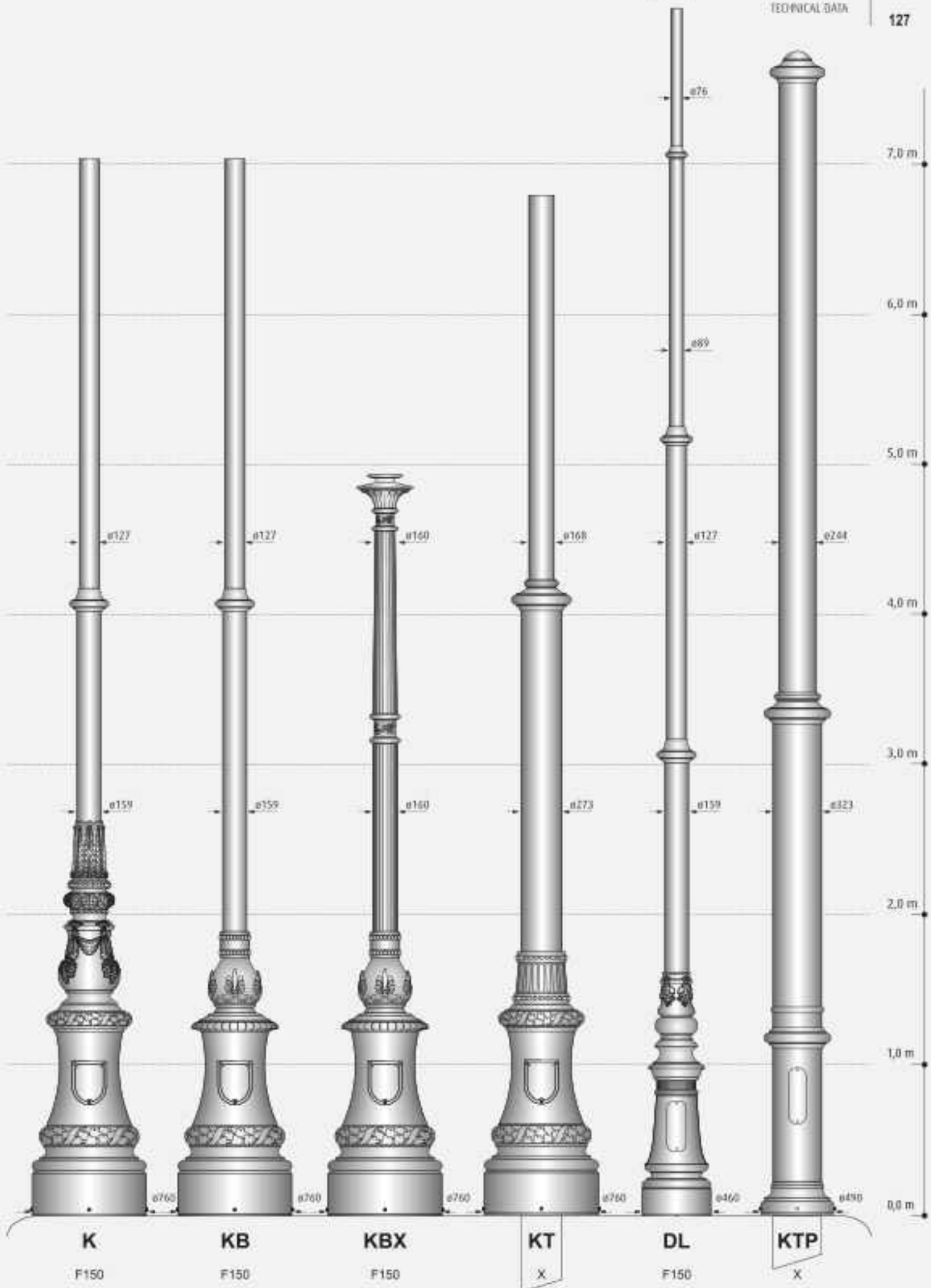
ART METAL 07

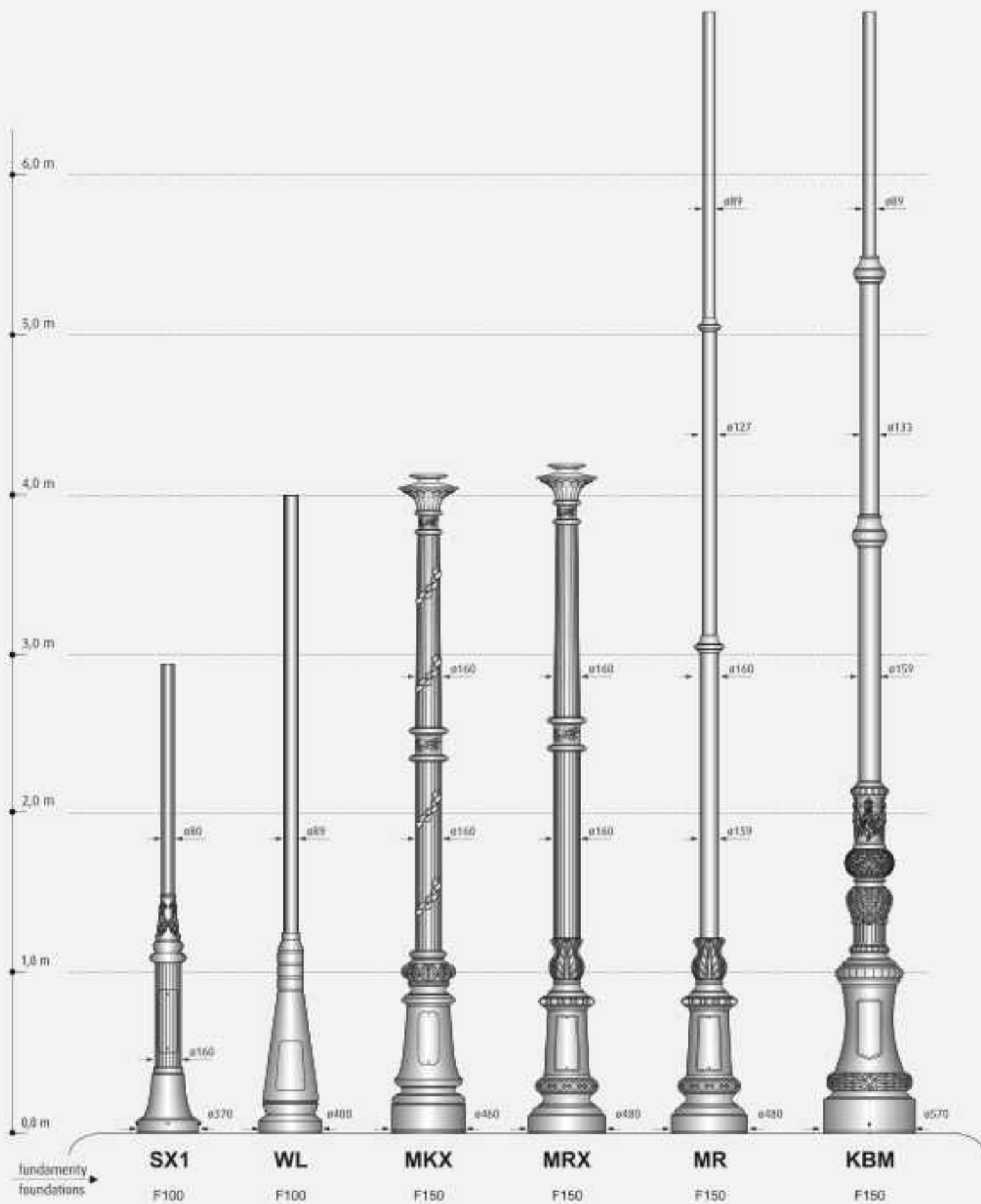


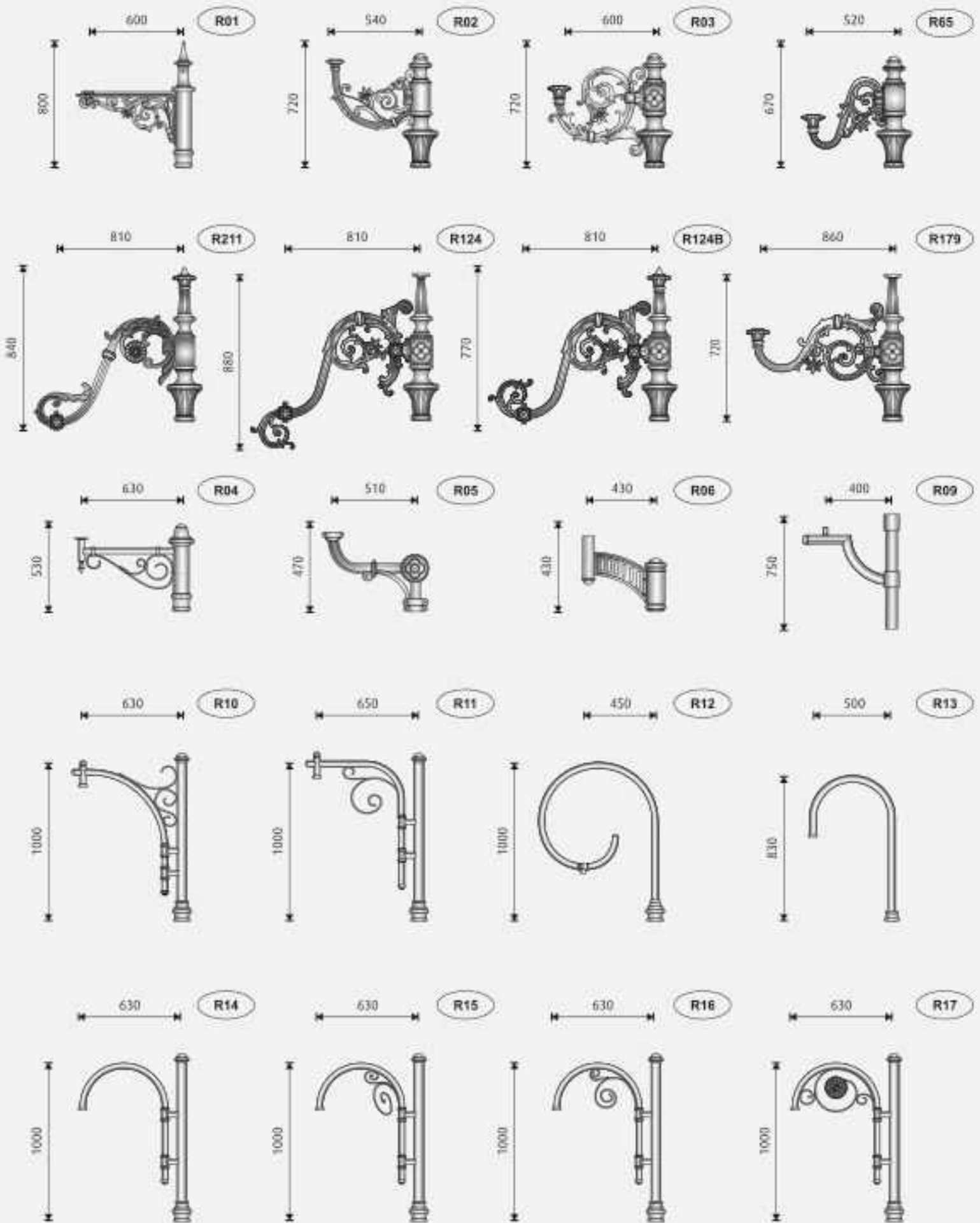
ART METAL 08

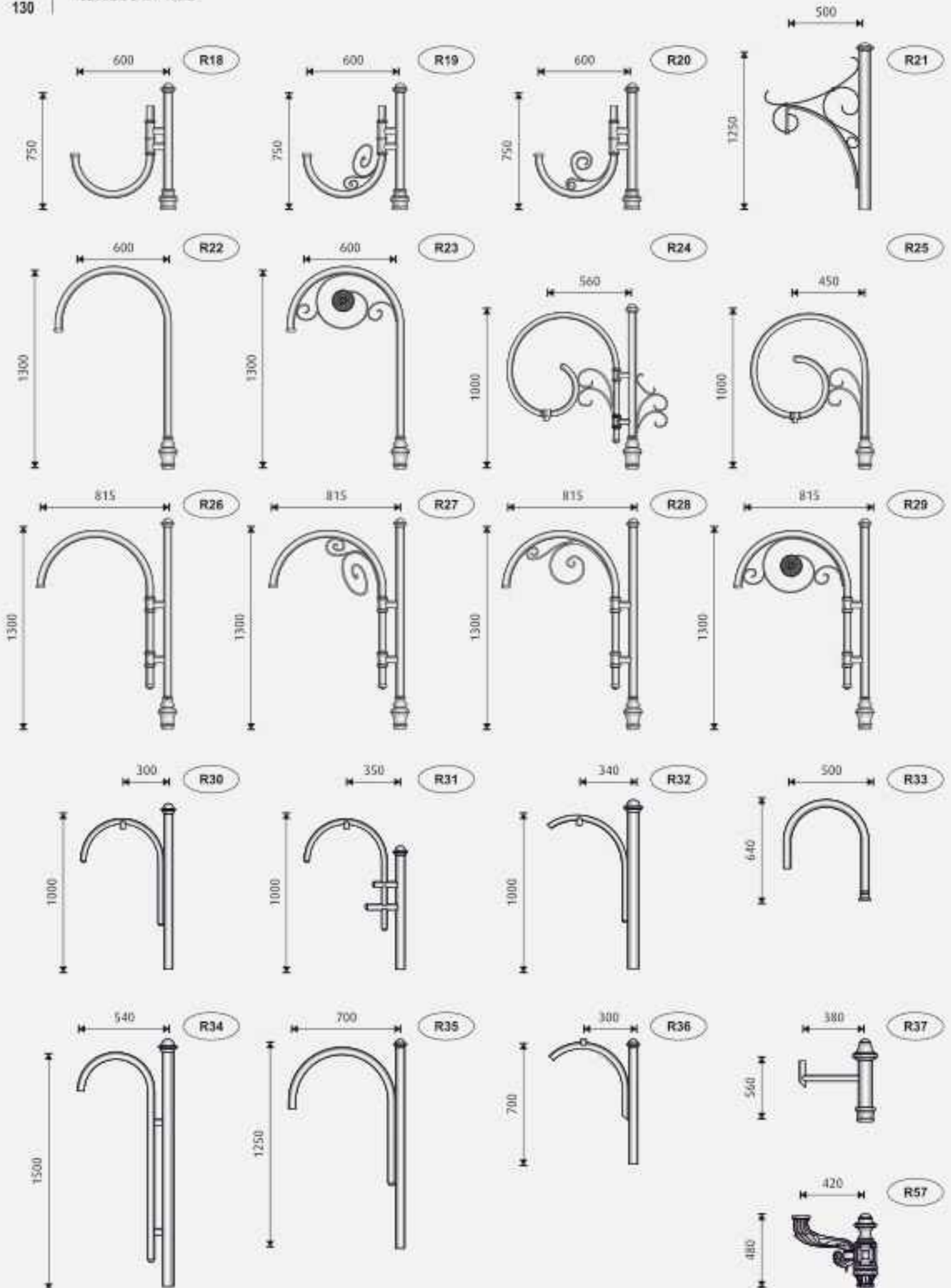


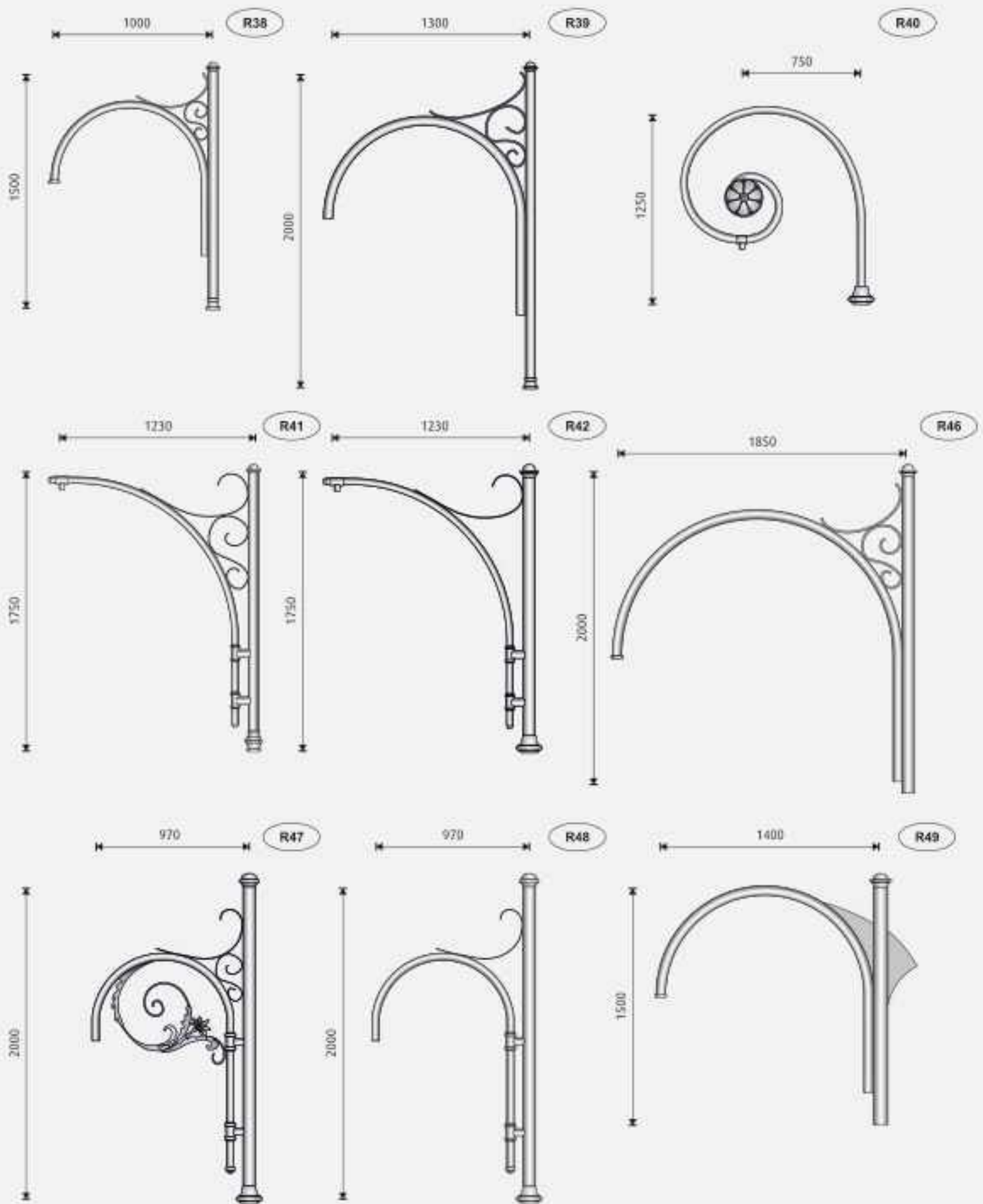


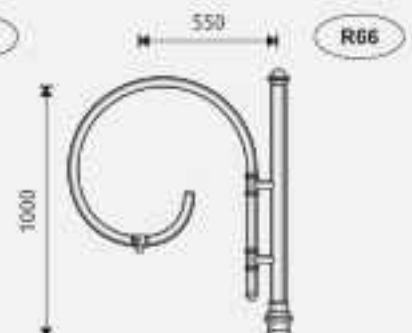
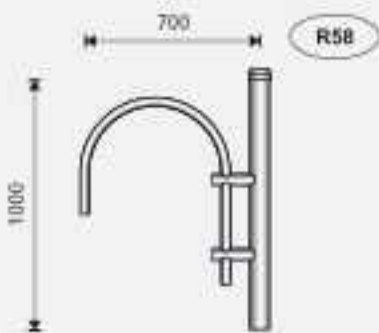
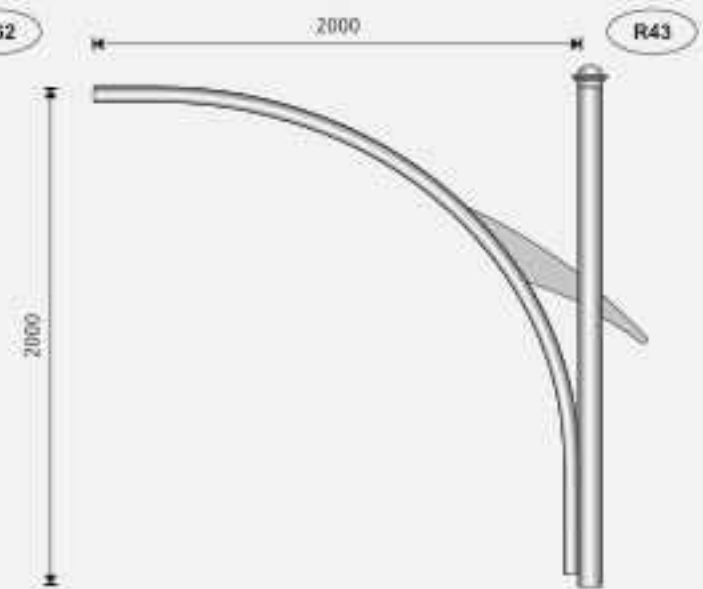
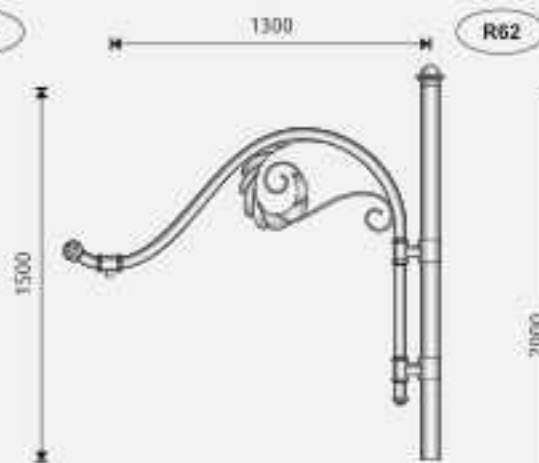
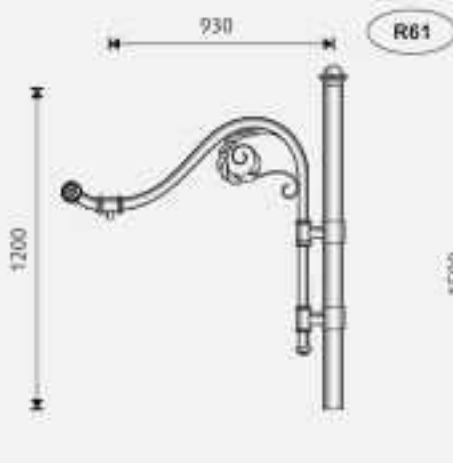
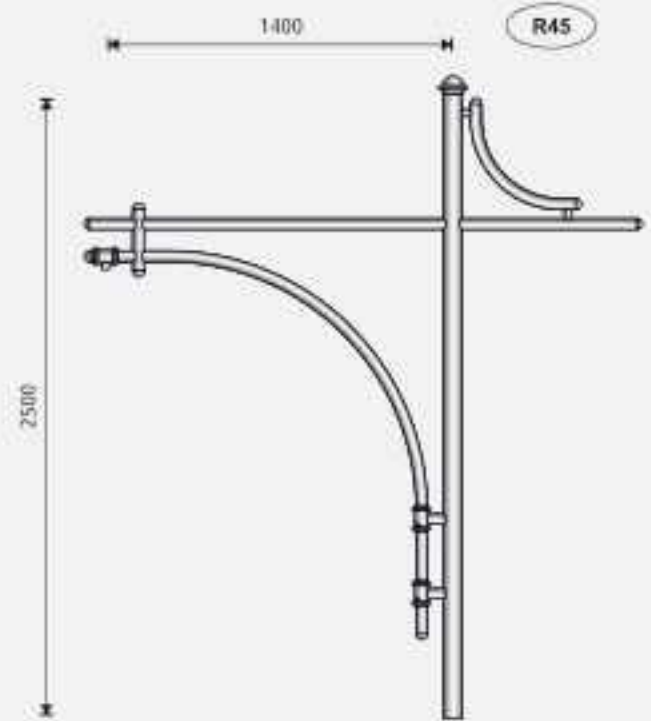
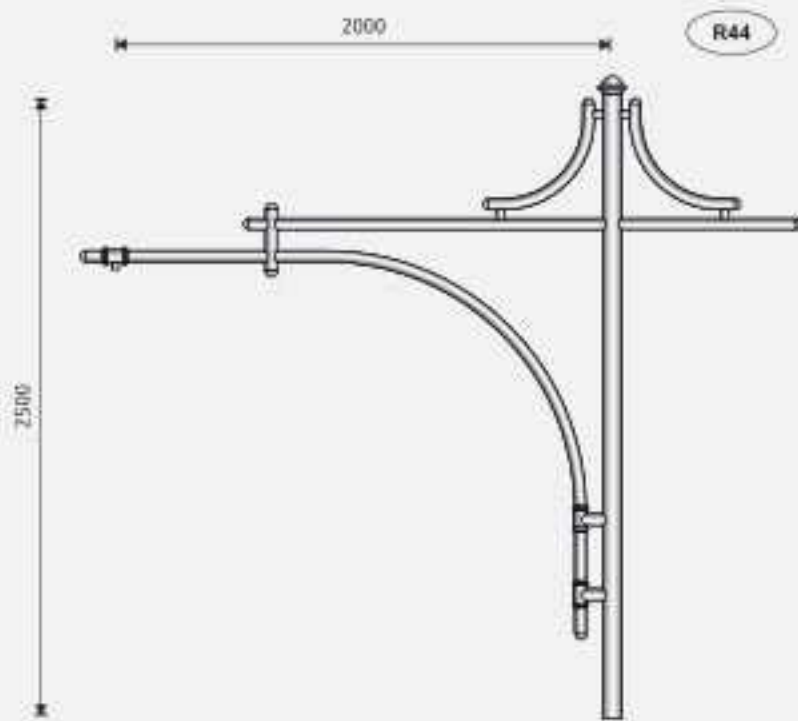


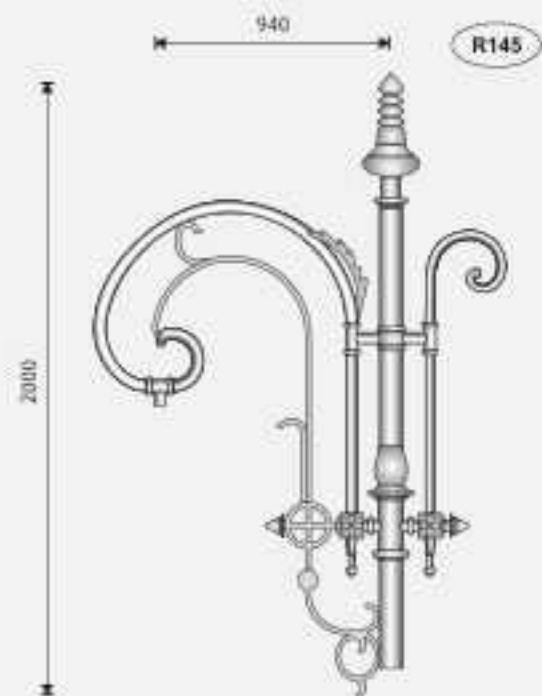
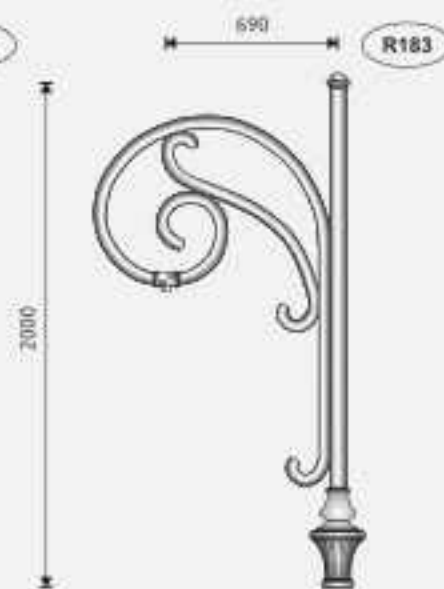
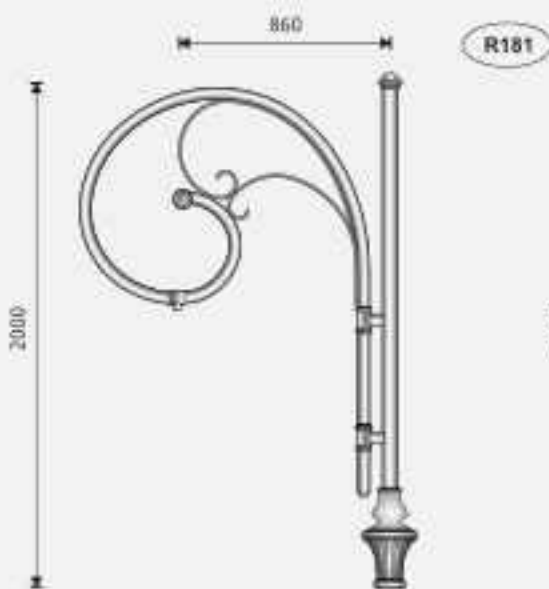
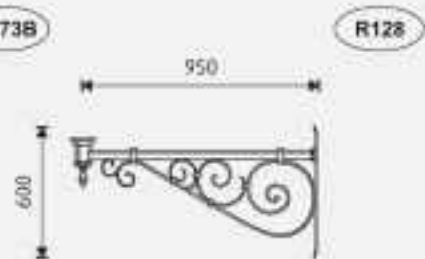
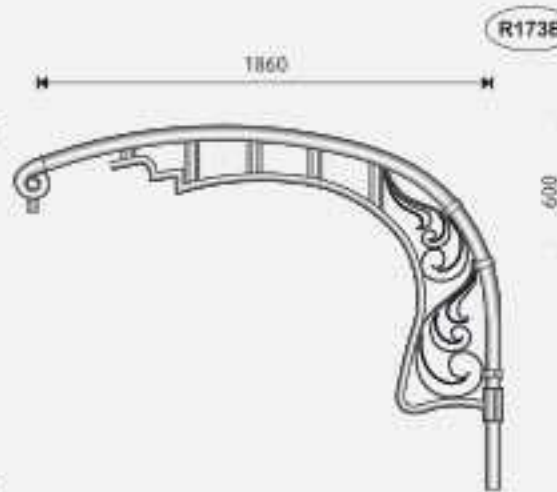
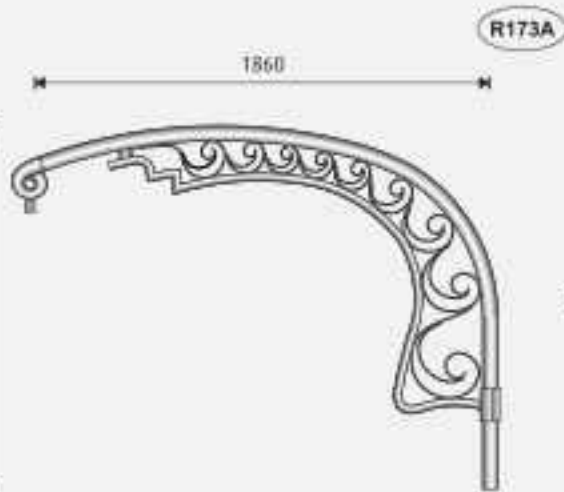
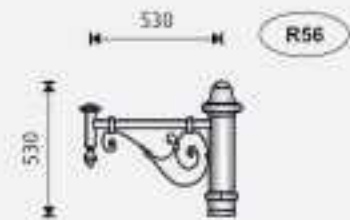
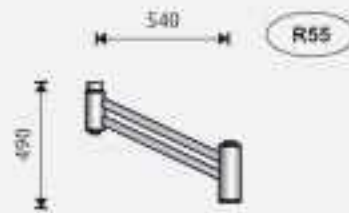
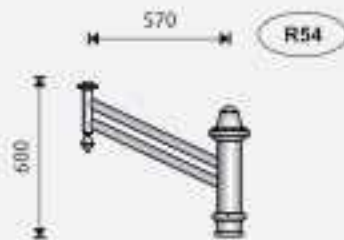
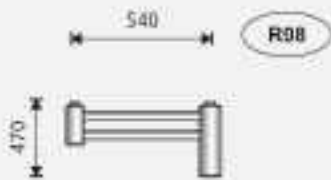
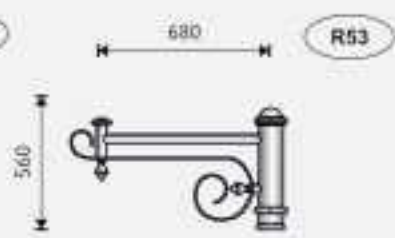
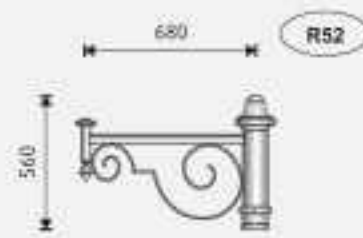
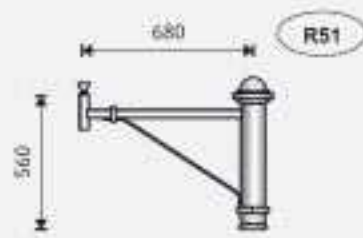
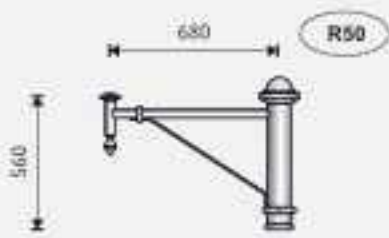


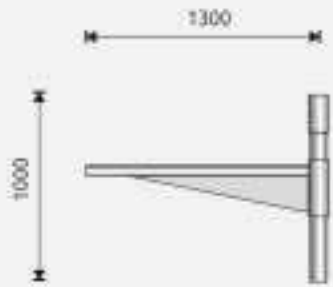




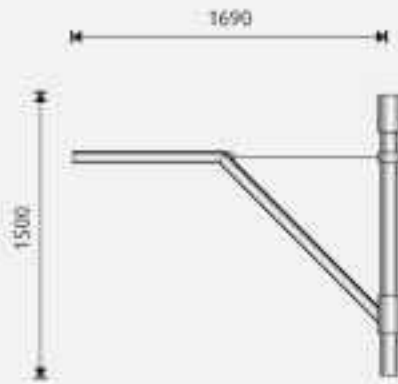




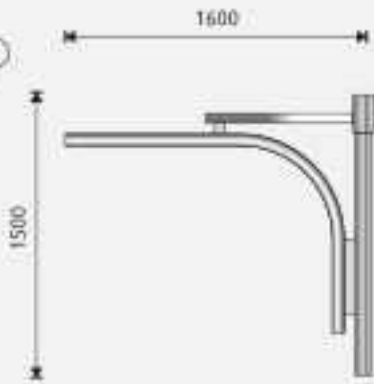




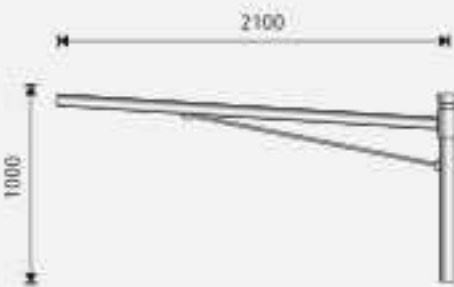
R85



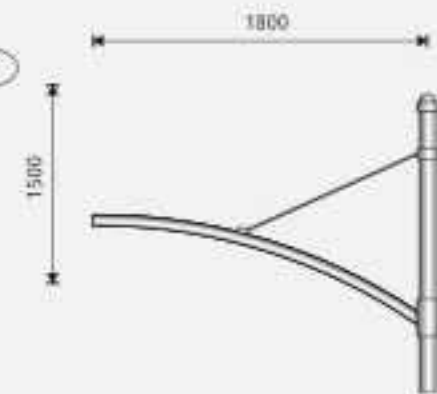
R84



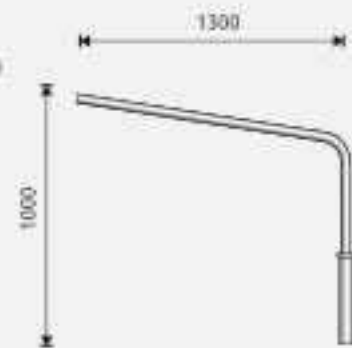
R82



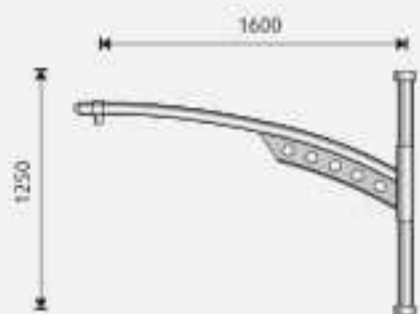
R83



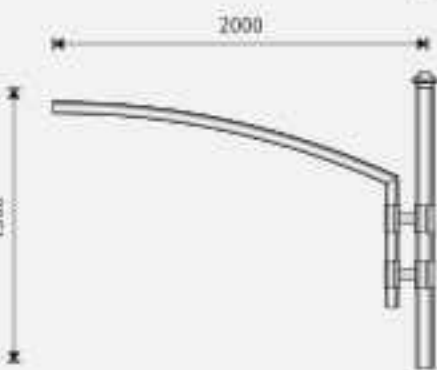
R110



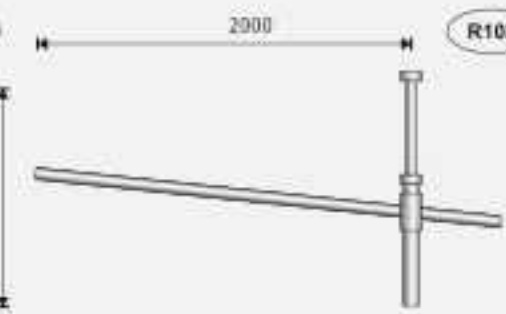
R114



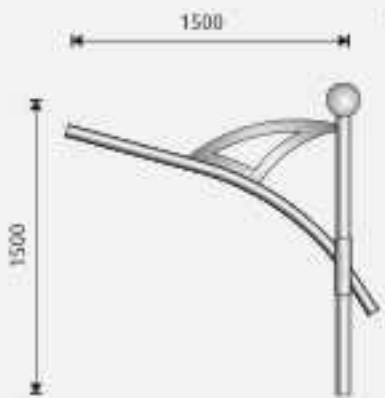
R116



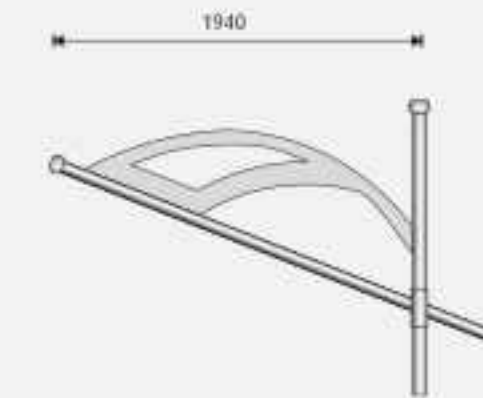
R81



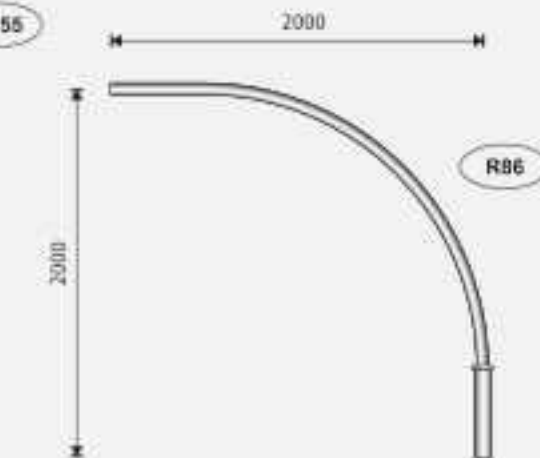
R102



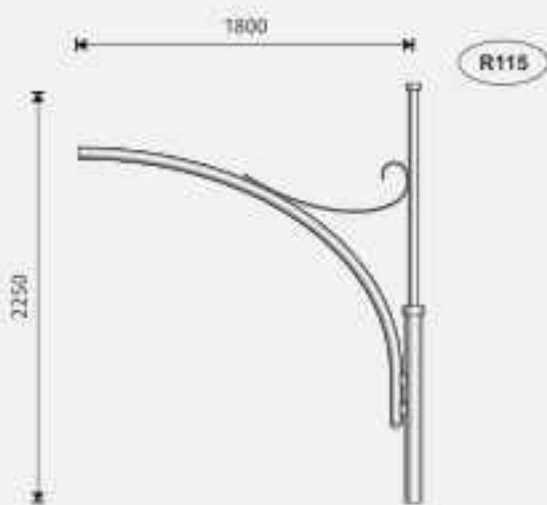
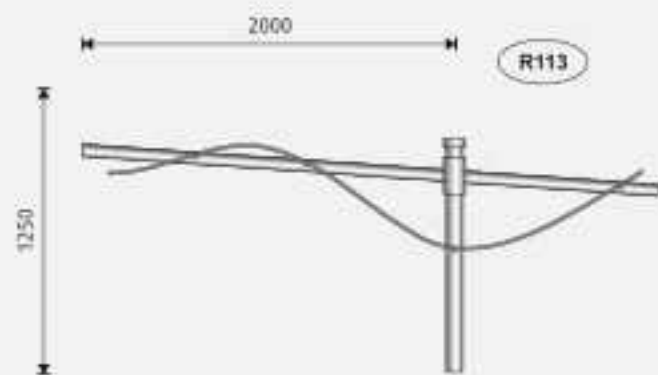
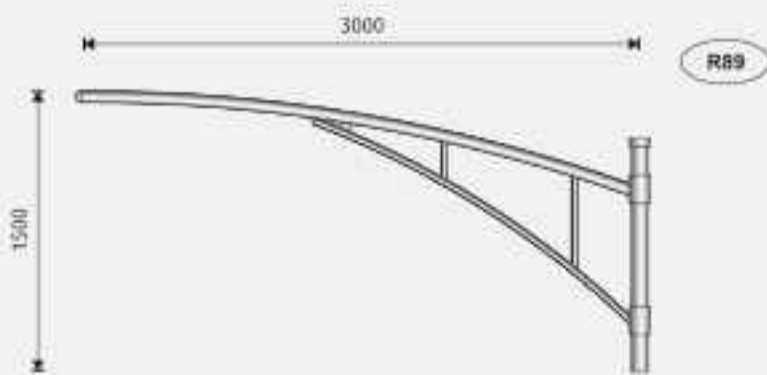
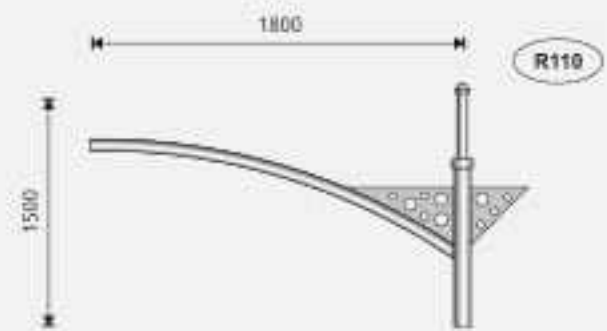
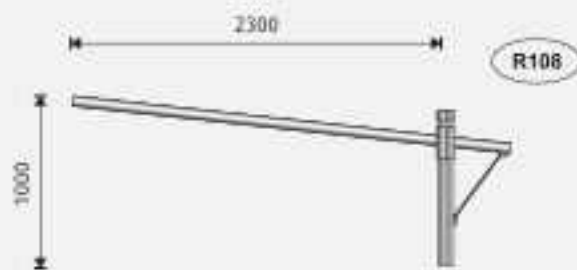
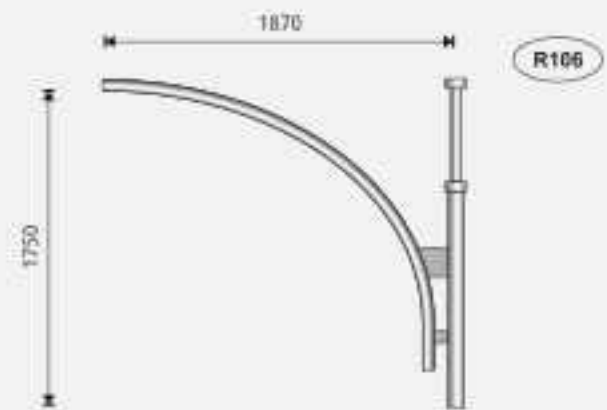
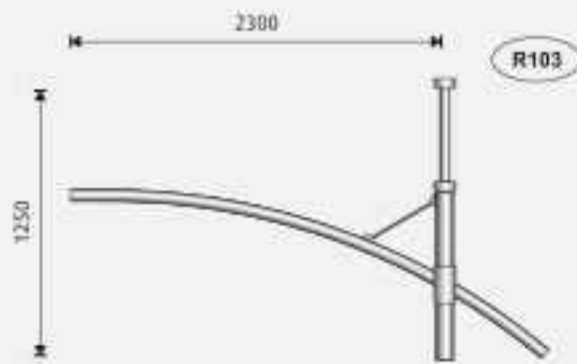
R158

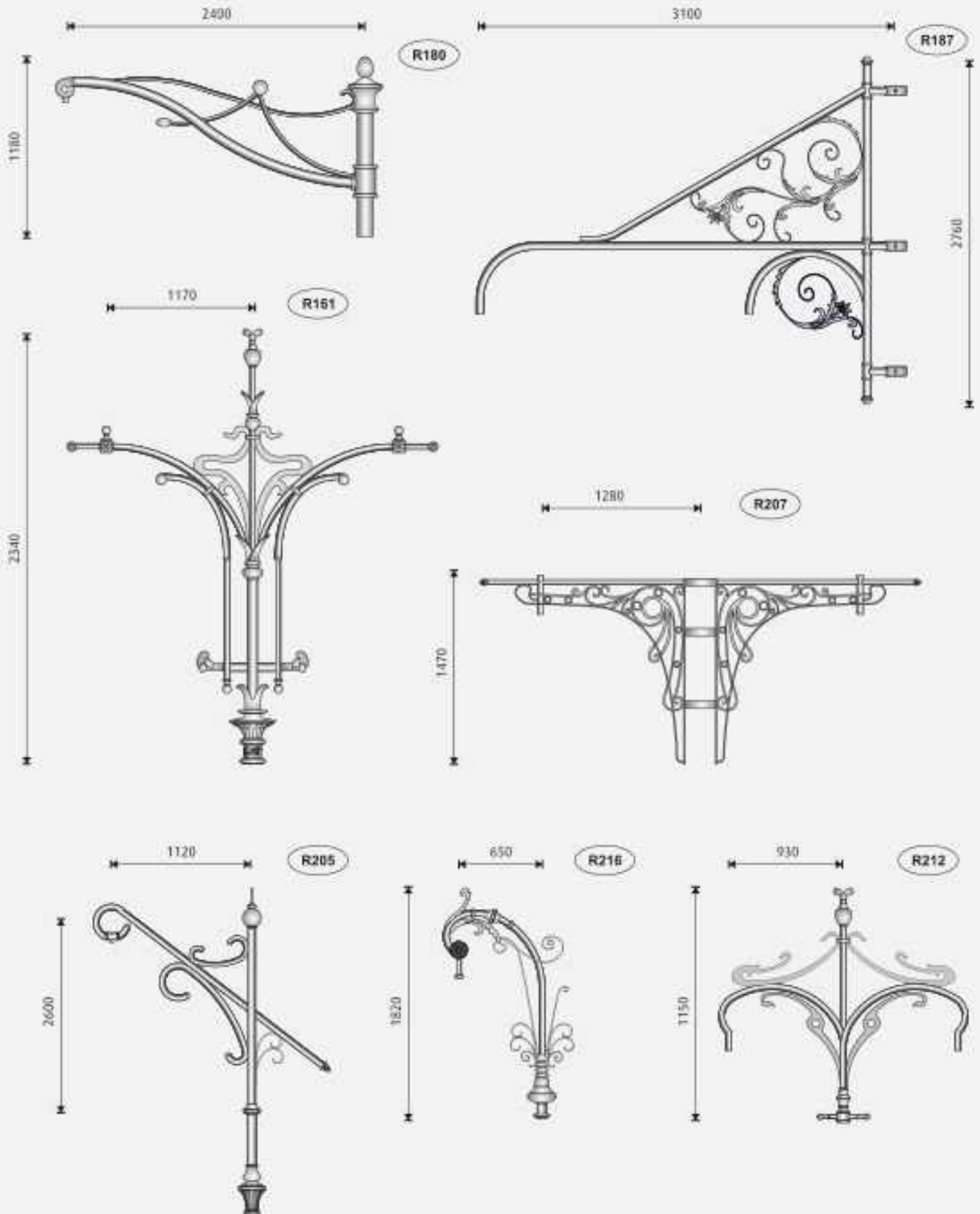


R155



R86

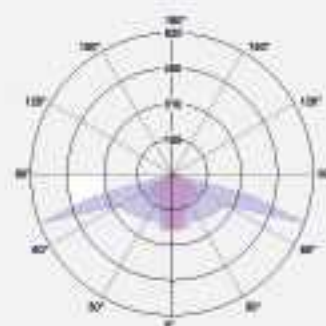
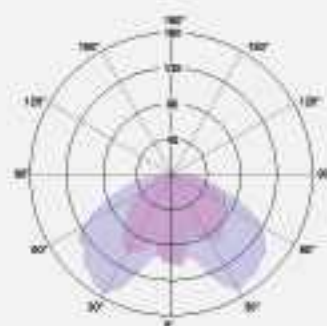
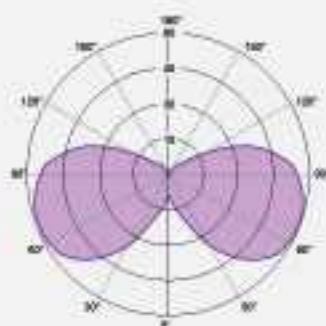




01 VERA



Krzywa rozsyłu światłości:



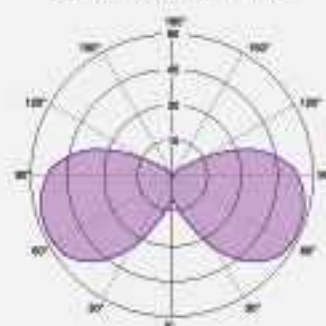
008-10

LED

21 LEDA



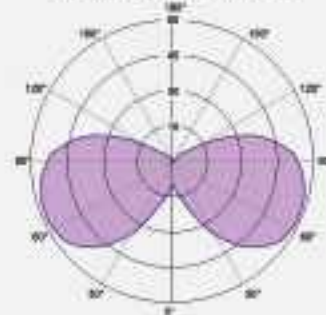
Krzywa rozsyłu światłości:



AM BELINDA



Krzywa rozsyłu światłości:



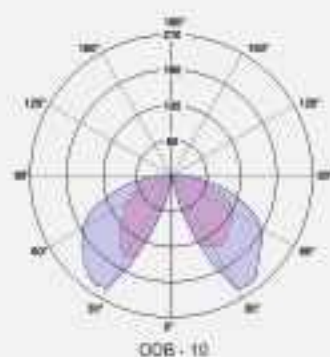
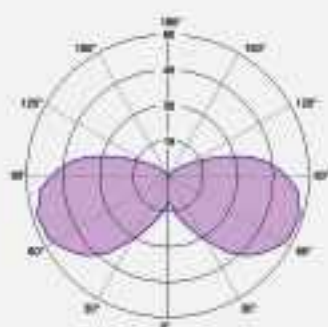
02 LUNA



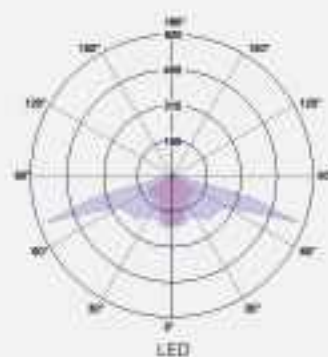
ø 76 - 89



Krzywe rozsyłu światłości:



CDB-10



LED

03 LIBRA



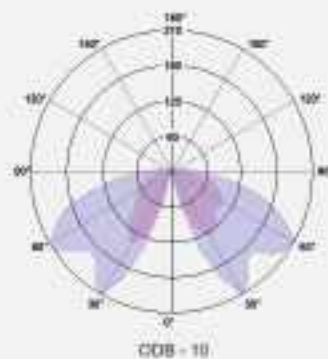
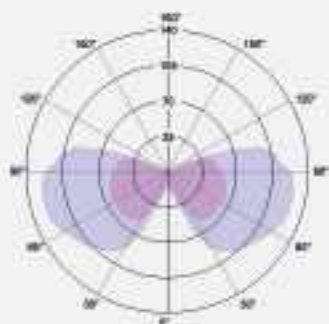
ø 76 - 89



ø 76 - 89



Krzywe rozsyłu światłości:



CDB-10

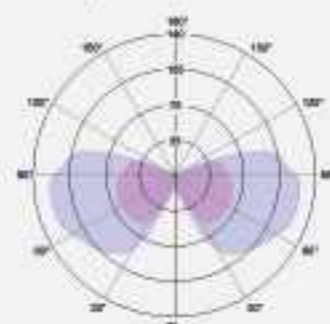


LED

G02 MARS



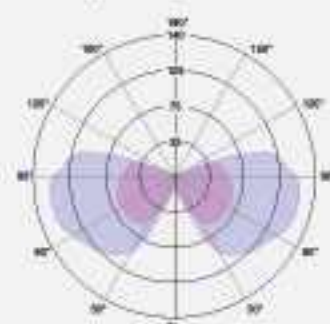
Krzywa rozsyłu światłości:



G03 MARS



Krzywa rozsyłu światłości:



G05 MINI MARS



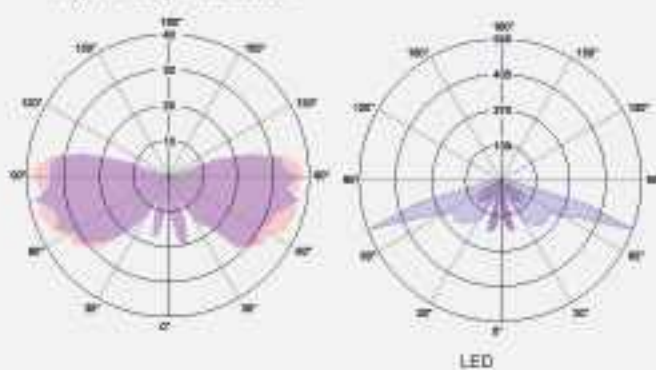
Krzywa rozsyłu światłości:



G04 MAXI MARS



Krzywa rozsyłu światłości:



LED

22 SATURN



Ø 76 - 89



Ø 76 - 89

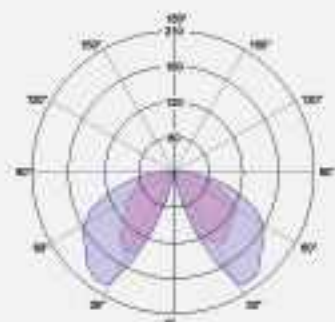
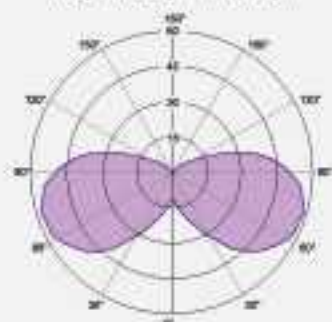


C

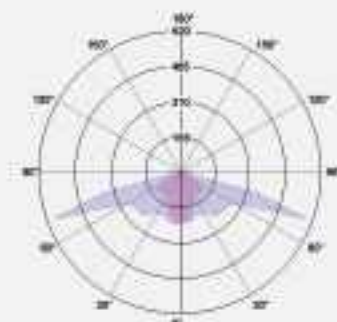


gwint M20

Krzywa rozsyłu światłości:



ODR - 10



LED

22M SATURN



Ø 60 - 80

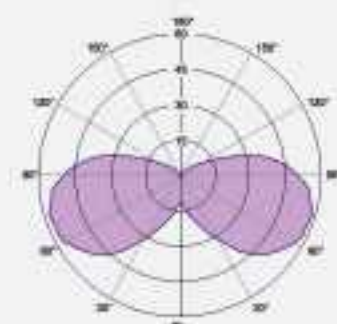


MD

gwint M20



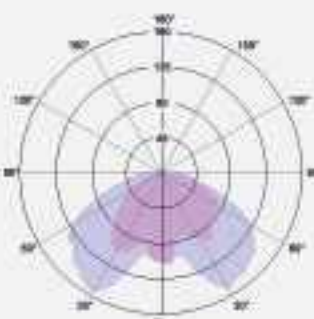
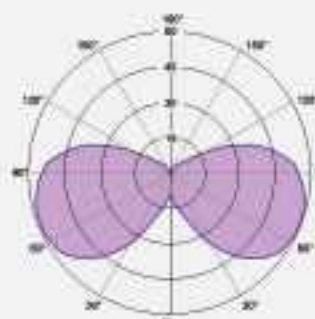
Krzywa rozsyłu światłości:



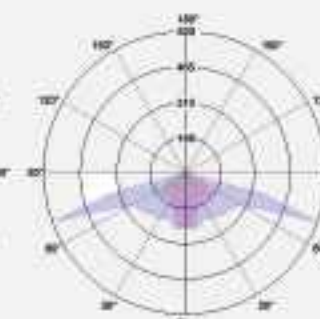
33 VICTORIA



Ø 76 - 89



ODR - 10

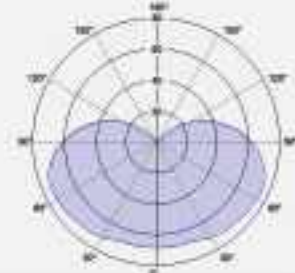


LED

30 VERONA



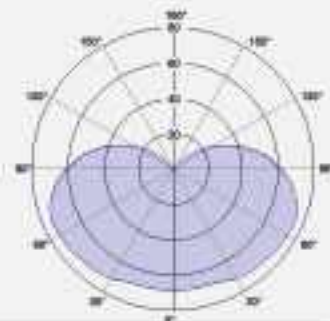
Krzywa rozsyłu światłości:



05 DAWID



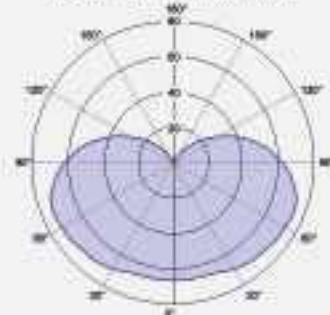
Krzywa rozsyłu światłości:



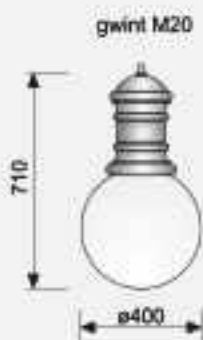
09 VIRGO



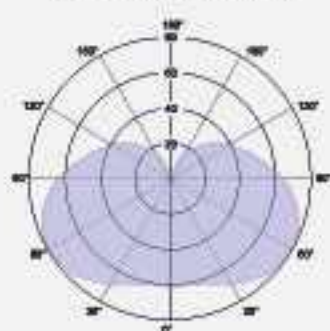
Krzywa rozsyłu światłości:



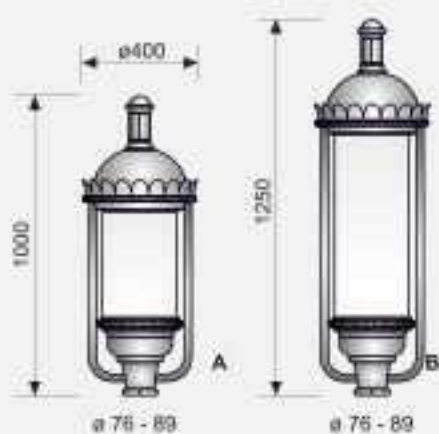
07 ANTILA



Krzywa rozsyłu światłości:



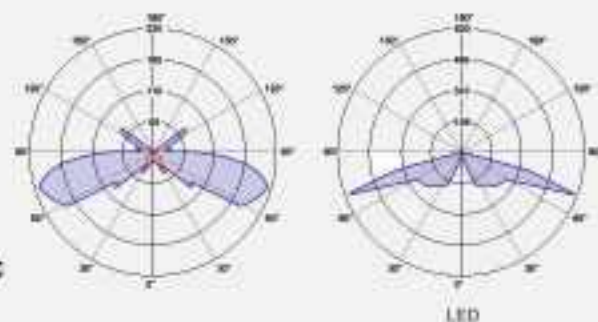
08 PHENIX



gwint M20



Krzywe rozsyłu światłości:

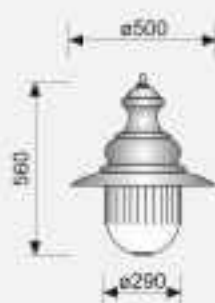


LED

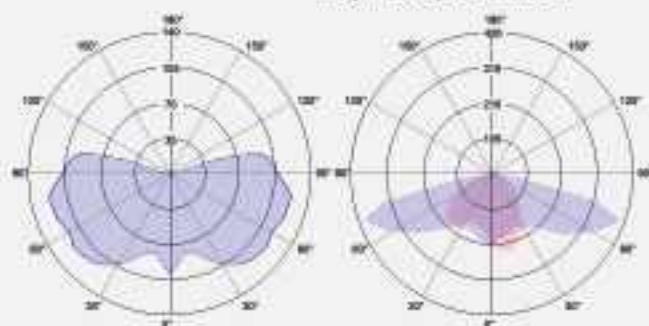
04 ARIES



gwint M20



Krzywe rozsyłu światłości:

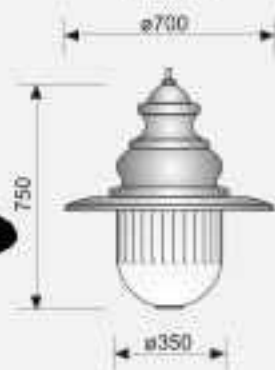


LED

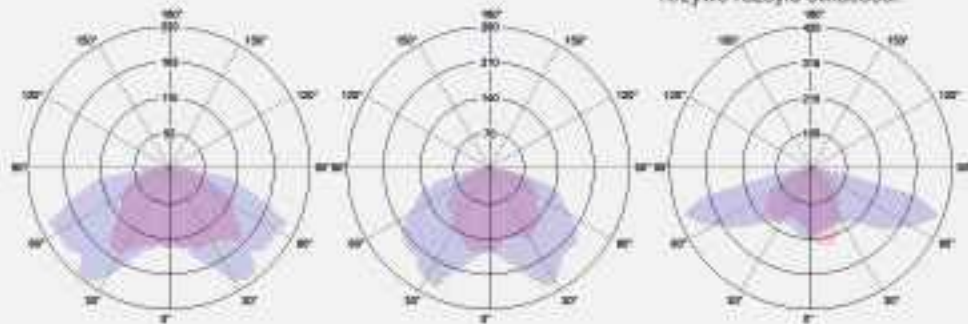
06 ANDROMEDA



gwint M20



Krzywe rozsyłu światłości:

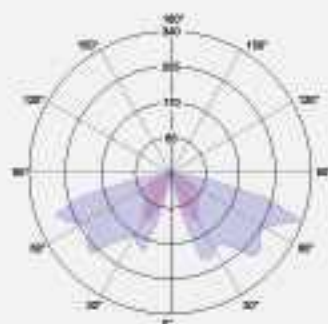
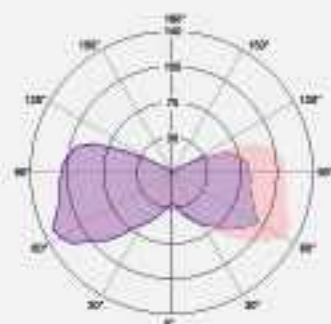
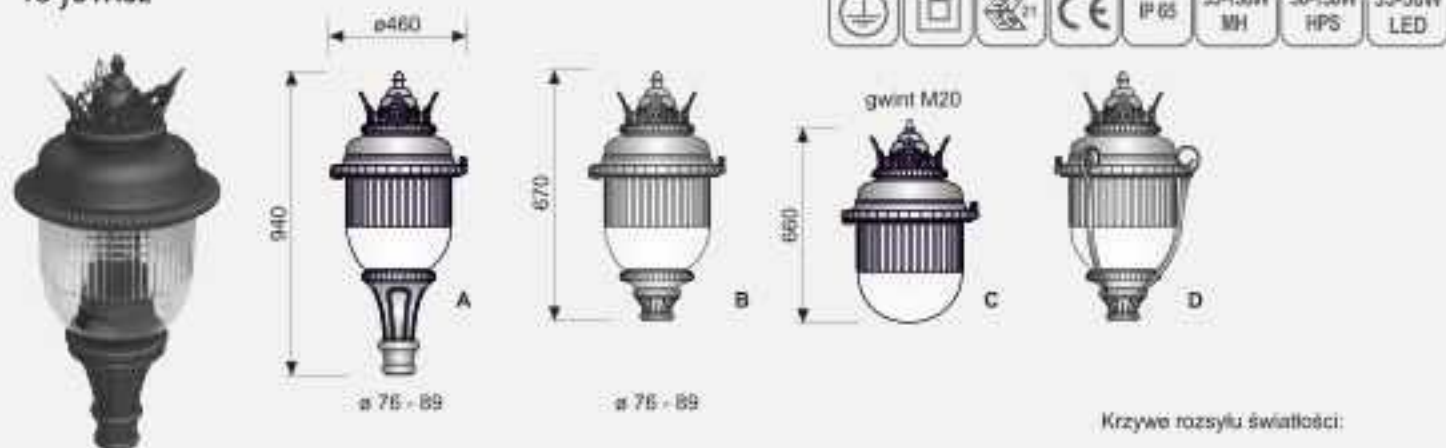


OOB - 2

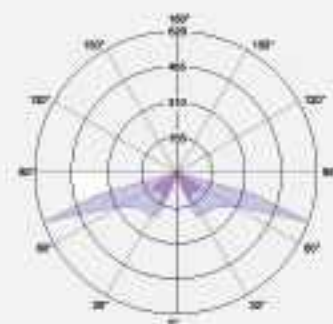
OOB - 10

LED

18 JOWISZ

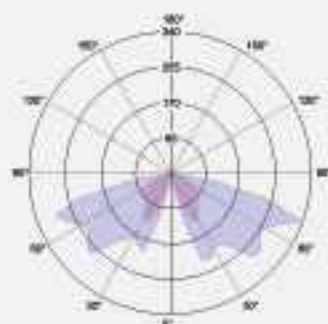
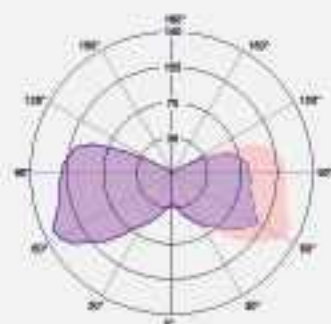
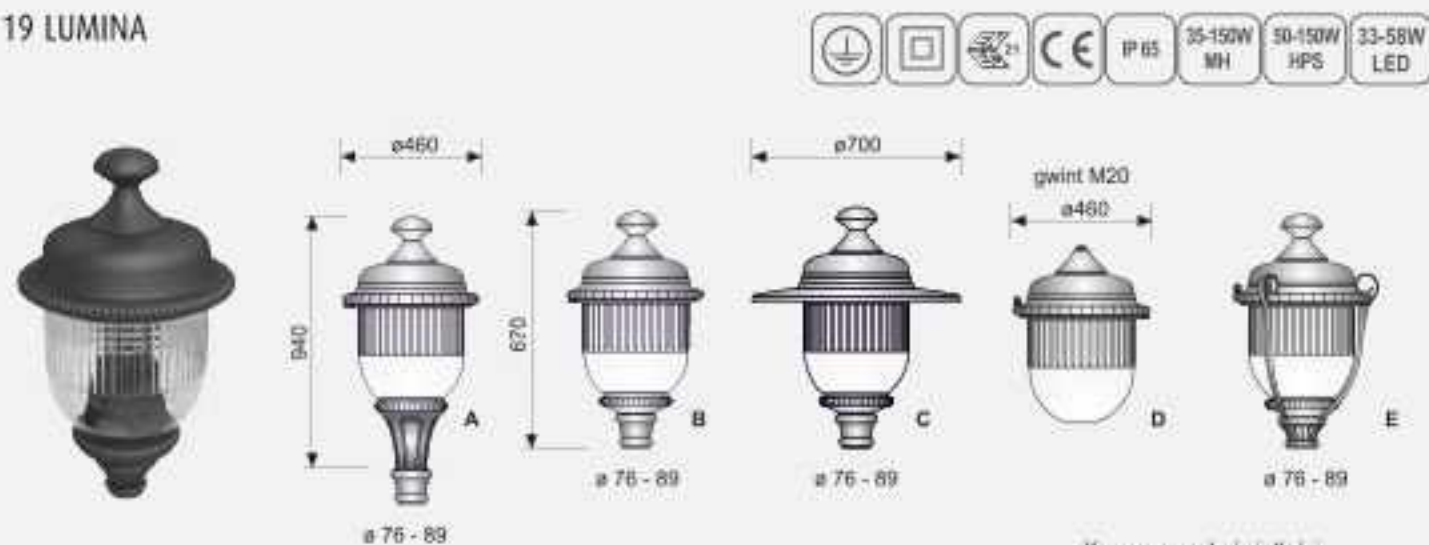


ODB - 10

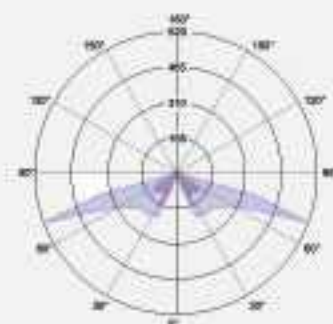


LED

19 LUMINA

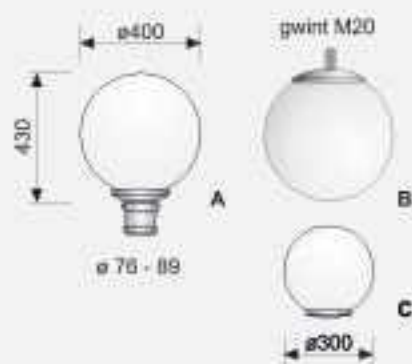


ODB - 10

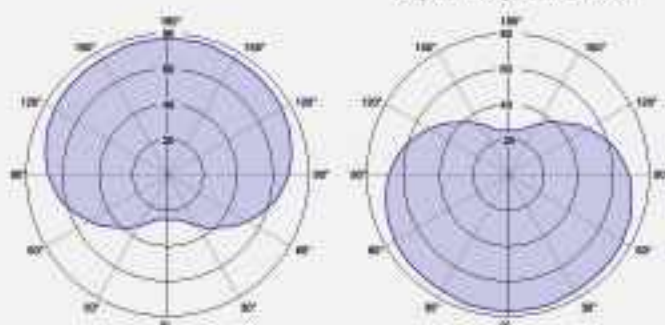


LED

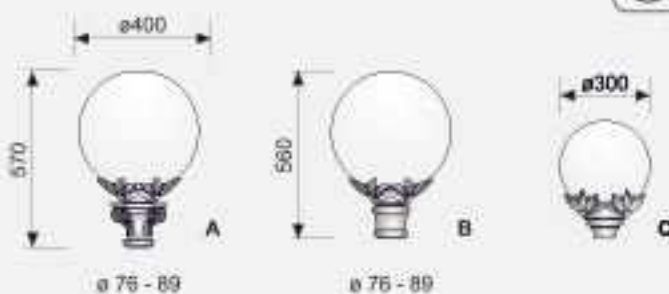
K1 ORION



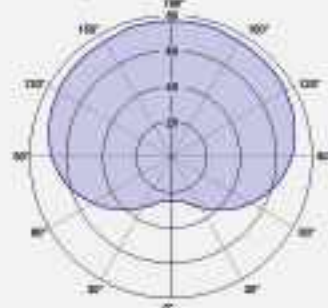
Krzywa rozsyłu światłości:



K2 WENUS



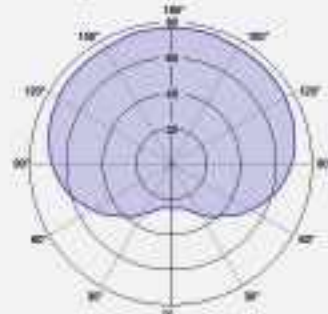
Krzywa rozsyłu światłości:



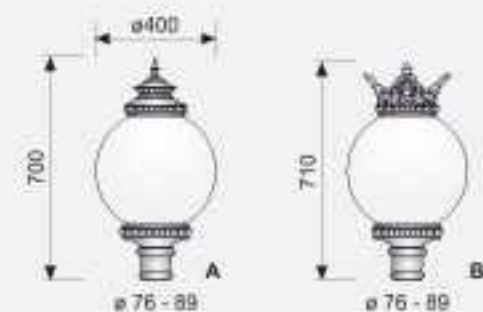
K3 SYRIUSZ



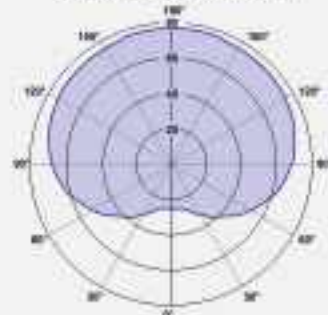
Krzywa rozsyłu światłości:



K4 CERES



Krzywa rozsyłu światłości:



A2 JULIA



ø 76 - 89



ø 76 - 89

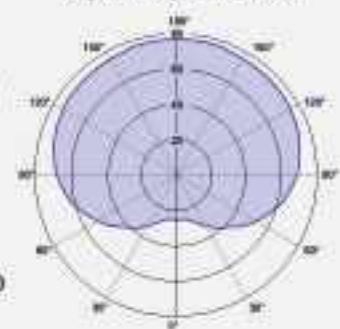


ø 76 - 89

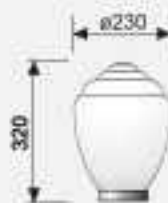


ø 76 - 89

Krzywa rozsyłu światłości:

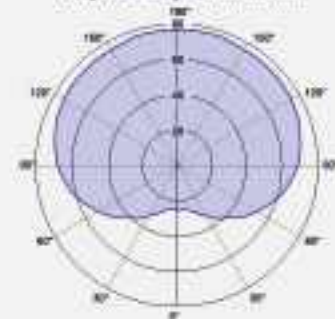


A4 AMFORA



ø 80

Krzywa rozsyłu światłości:

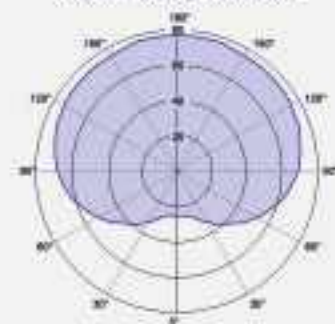


A5 FLORA



ø 60 - 76

Krzywa rozsyłu światłości:

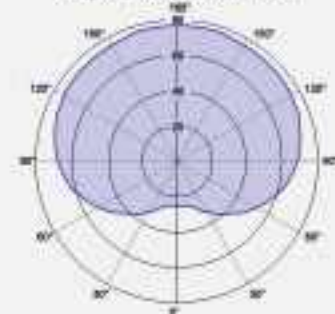


ASM FLORA

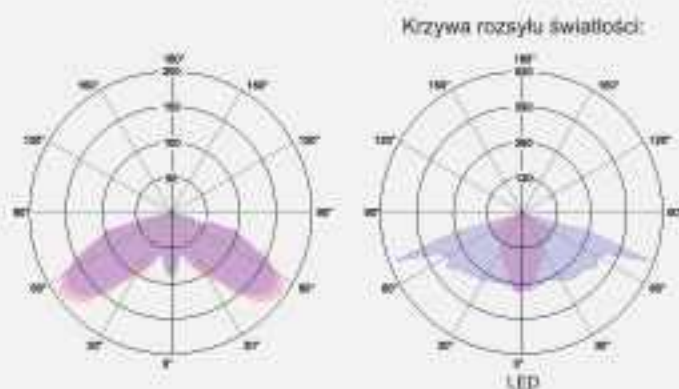


ø 60

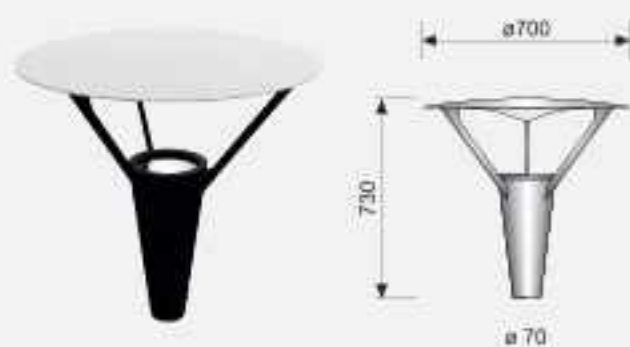
Krzywa rozsyłu światłości:



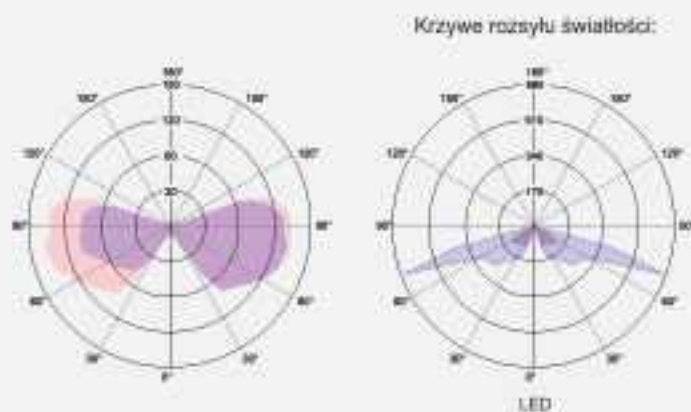
15 NEPTUN



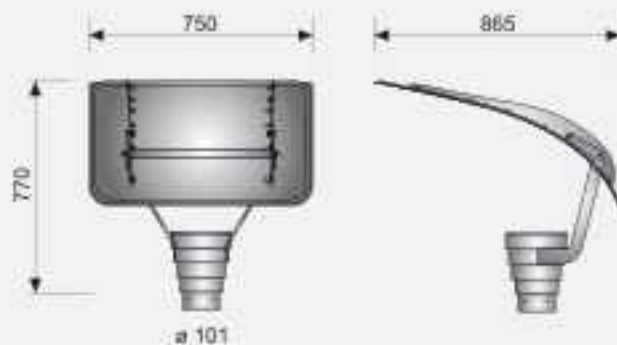
16 PLUTON



26 AURELIA



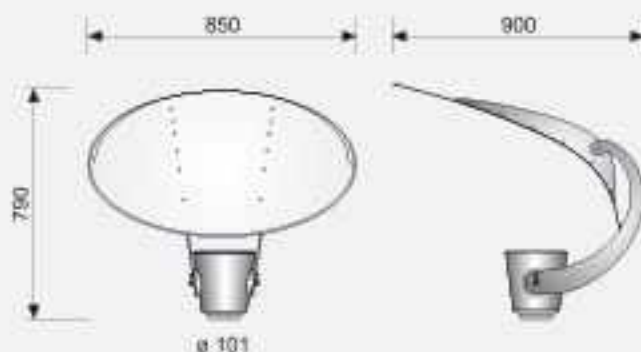
11 HELIOS



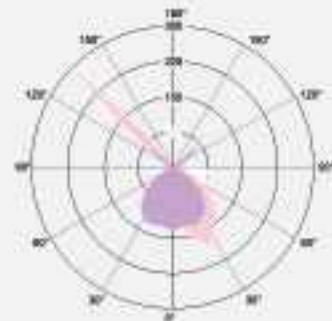
Krzywa rozsyłu światłości



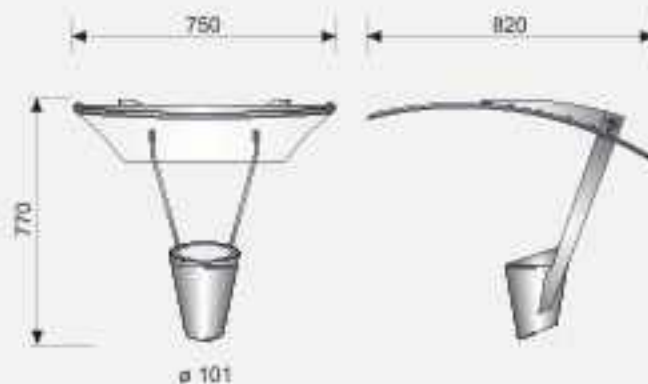
12 MERKURY



Krzywa rozsyłu światłości



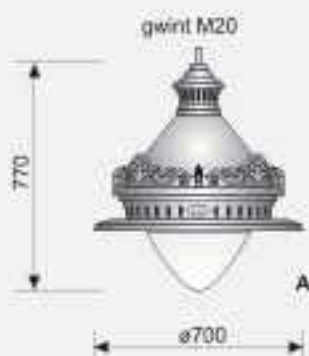
14 CENTURION



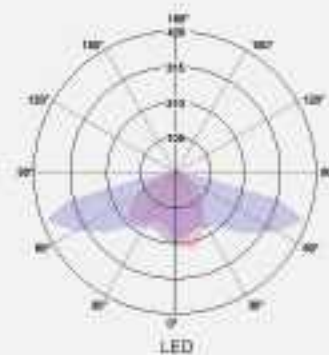
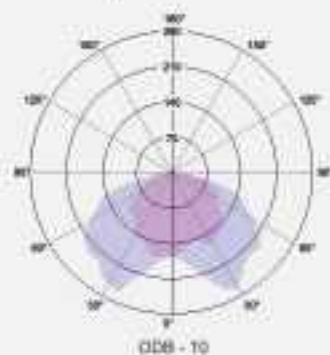
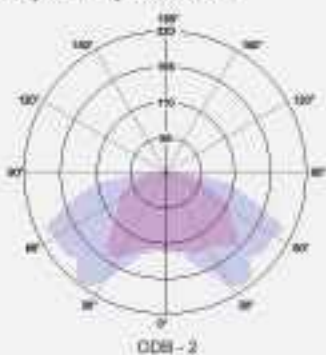
Krzywa rozsyłu światłości



25 MEGALIA



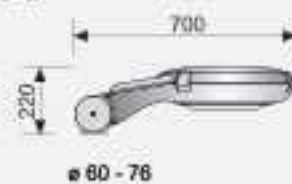
Krzywe rozsyłu światłości:



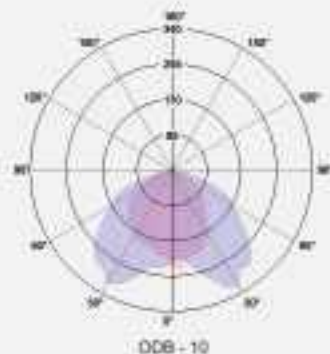
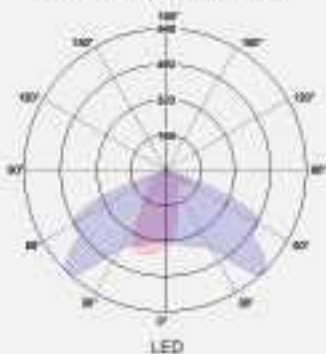
27 SYNCHRO



27 SYNCHRO 2

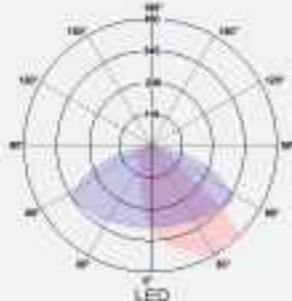


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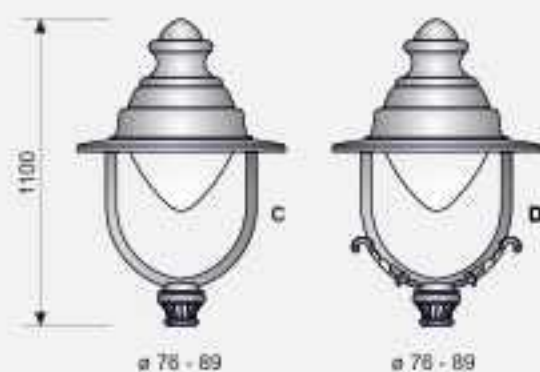
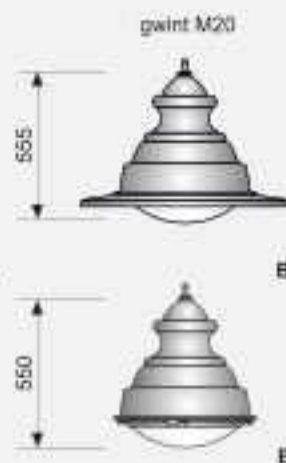
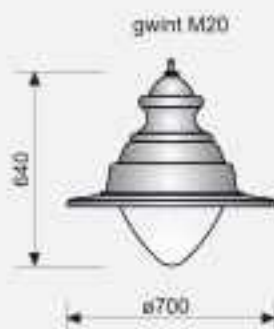


29 TECHNO

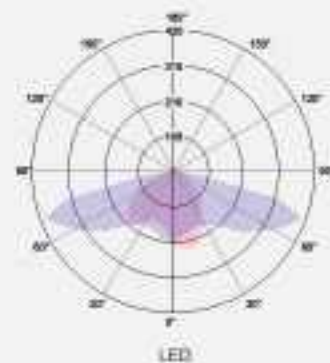
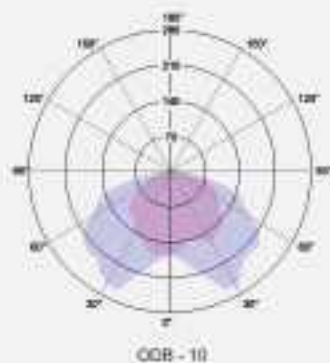
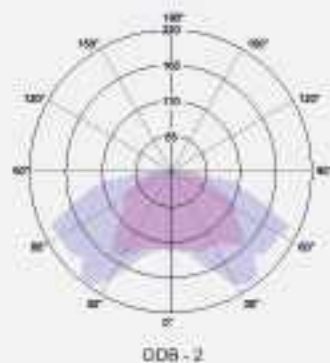
Krzywa rozsyłu światłości:



23 ANTARES



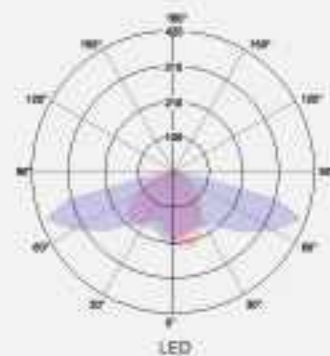
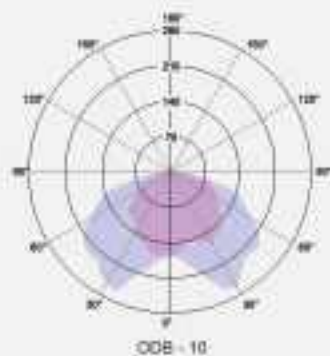
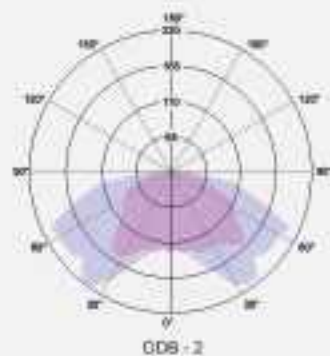
Krzywa rozsyłu światłości:



24 NEXUS



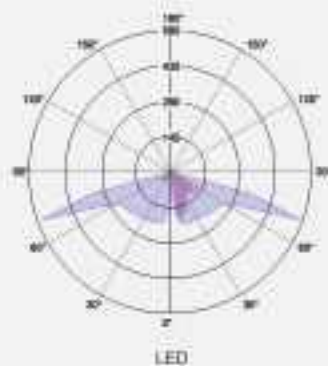
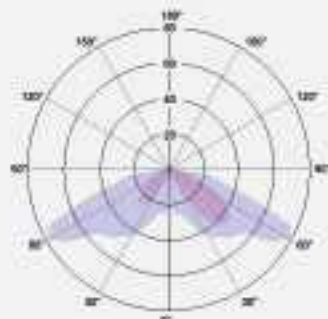
Krzywa rozsyłu światłości:



10 OPAL



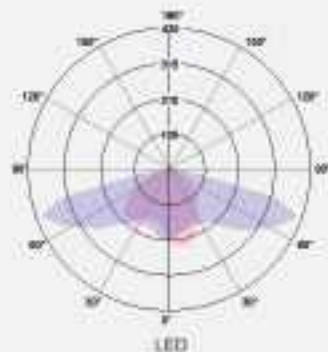
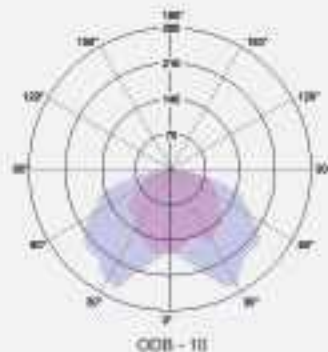
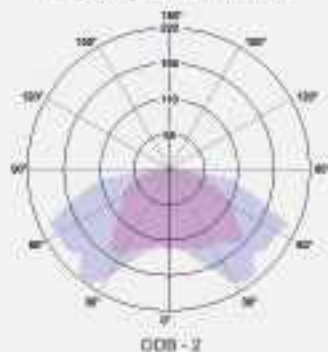
Krzywe rozsyłu światłości:



10 OPAL



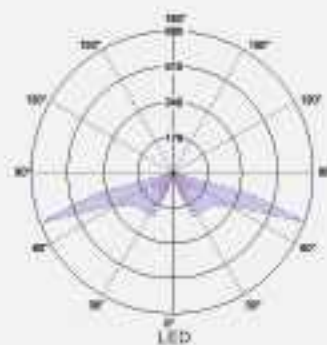
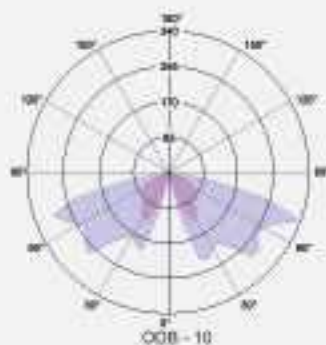
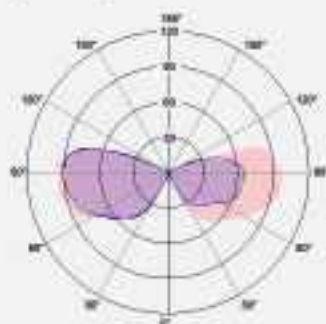
Krzywe rozsyłu światłości:



34 ROZALIA



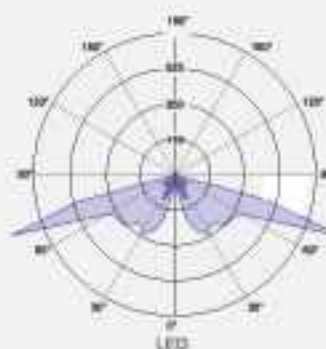
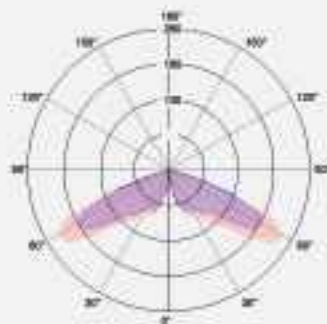
Krzywe rozsyłu światłości:



WR4



Krzywe rozsyłu światłości:

























































































ŚWIATŁO