# Street Light Pole


asa 50+ antre XPONIA

ΑΝΤΡΕ ΑΕΒΕ ΑΝΩΝΥΜΟΣ ΕΜΠΟΡΙΚΗ ΚΑΙ ΒΙΟΜΗΧΑΝΙΚΗ ΕΤΑΙΡΕΙΑ ΗΛΕΚΤΡΟΝΙΚΩΝ ΜΕΣΩΝ

ΤΗΛΕΦΩΝΟ : 2108140050 FAX: 2106218640 E-MAIL:antre.gr@gmail.com


**5**

Large production base

**206000** ㎡

Total area exceeding 206000 square meters

**1000**

1000 employees

**20**

20 years of experience

**>30**

our products have been sold to over 30 countries and regions

# ABOUT US

Our group's galvanizing production base was established in 2003, covering 100 000㎡ area and equipped with four galvanizing production lines. With an annual output up to 200,000 tons . We are top three in scale in the eastern region of China.

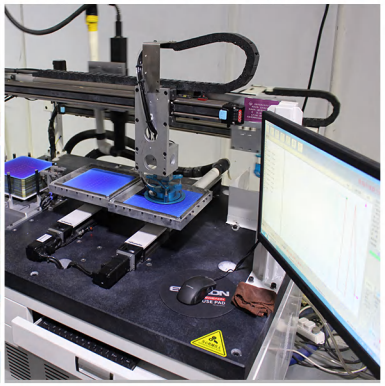
Our pole production base Jiangsu Shangying , covering an area of 53333㎡, established in 2016. Mainly produce solar street lights, LED street lights, high mast lights, smart street lights,landscape lights, smart street lights, traffic signs & lights, electronic monitoring systems, communication towers, and electric pole.

The photovoltaic module factory was established in 2008, became the first manufacturer in Anhui Province. Solar cells are produced independently, solar panels ranging from 10 watts to 550 watts. We have two production bases with 10 years export experience to Europe and Southeast Asia.

Furthermore, we established a scaffolding production base in 2016, covering an area of 20 000㎡ , producing ringlock system , exported to countries such as Singapore, Thailand, Europe, and Australia. Annual production capacity around 50,000 tons .

With 20 years of industry experience, our five major production bases cover a total area of 206 666㎡ and currently employ more than 1000 employees. As one of the few companies globally that have their own solar panel, pole, and galvanizing production bases, we provide one-stop design services. Our products are sold to more than 30 countries worldwide and our annual production value have reached HUNDRED AND THIRTY-SIX MILLION USD (136986300.00USD) per year .

We warmly welcome customers to visit and inspect our facilities.



# Qualification certification





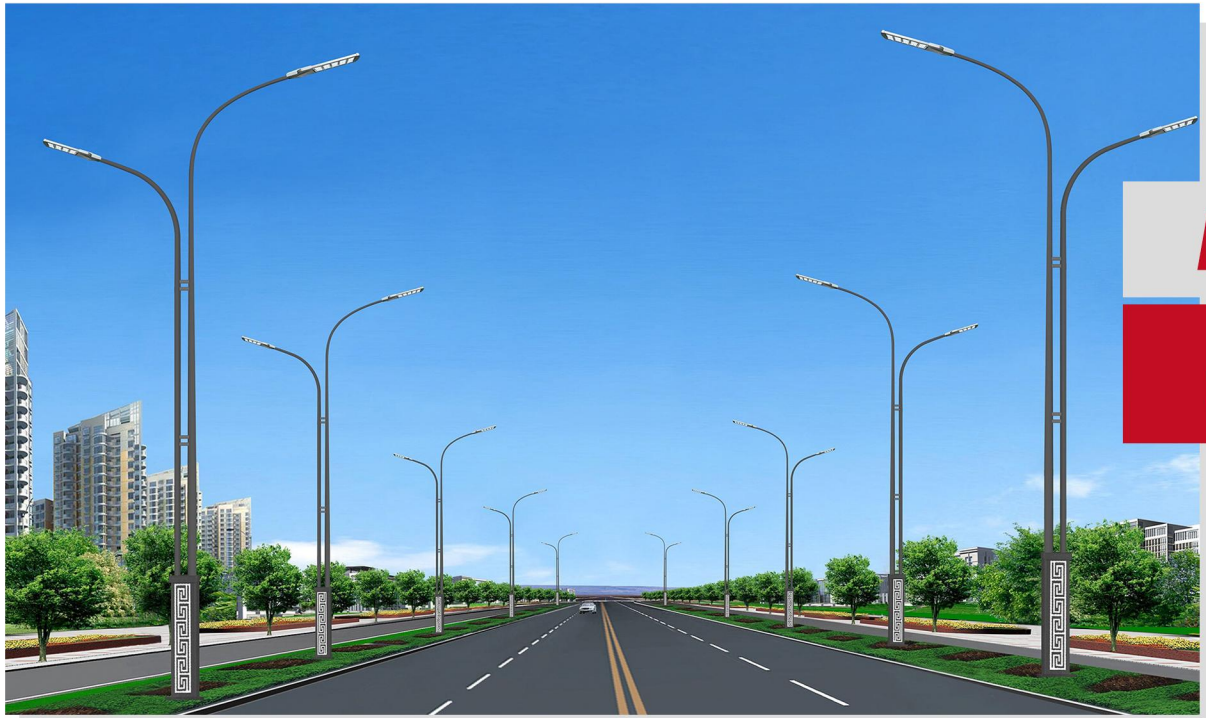










# LED Street Pole

## 01

SY-LD-001

SY-LD-002

SY-LD-003

SY-LD-004

SY-LD-005

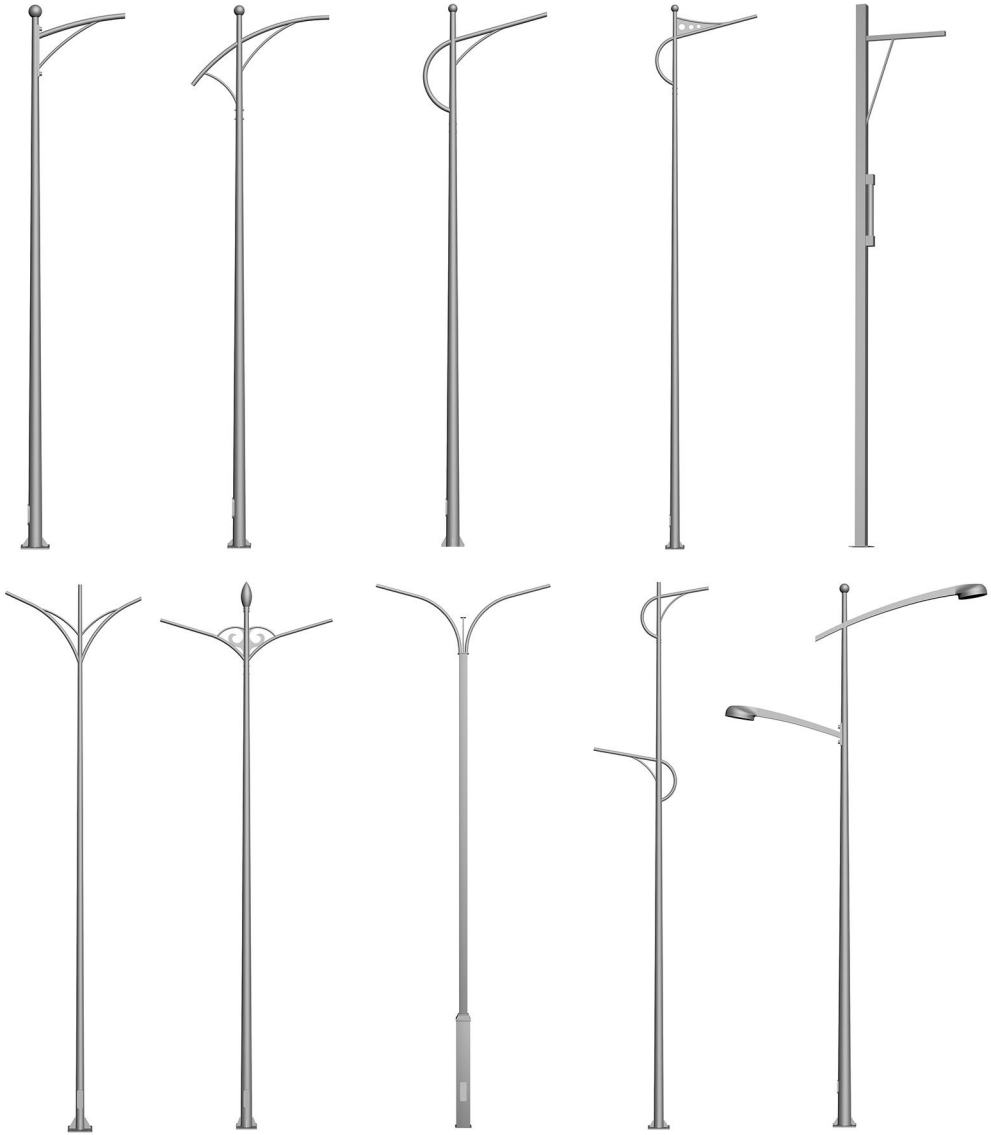
SY-LD-006

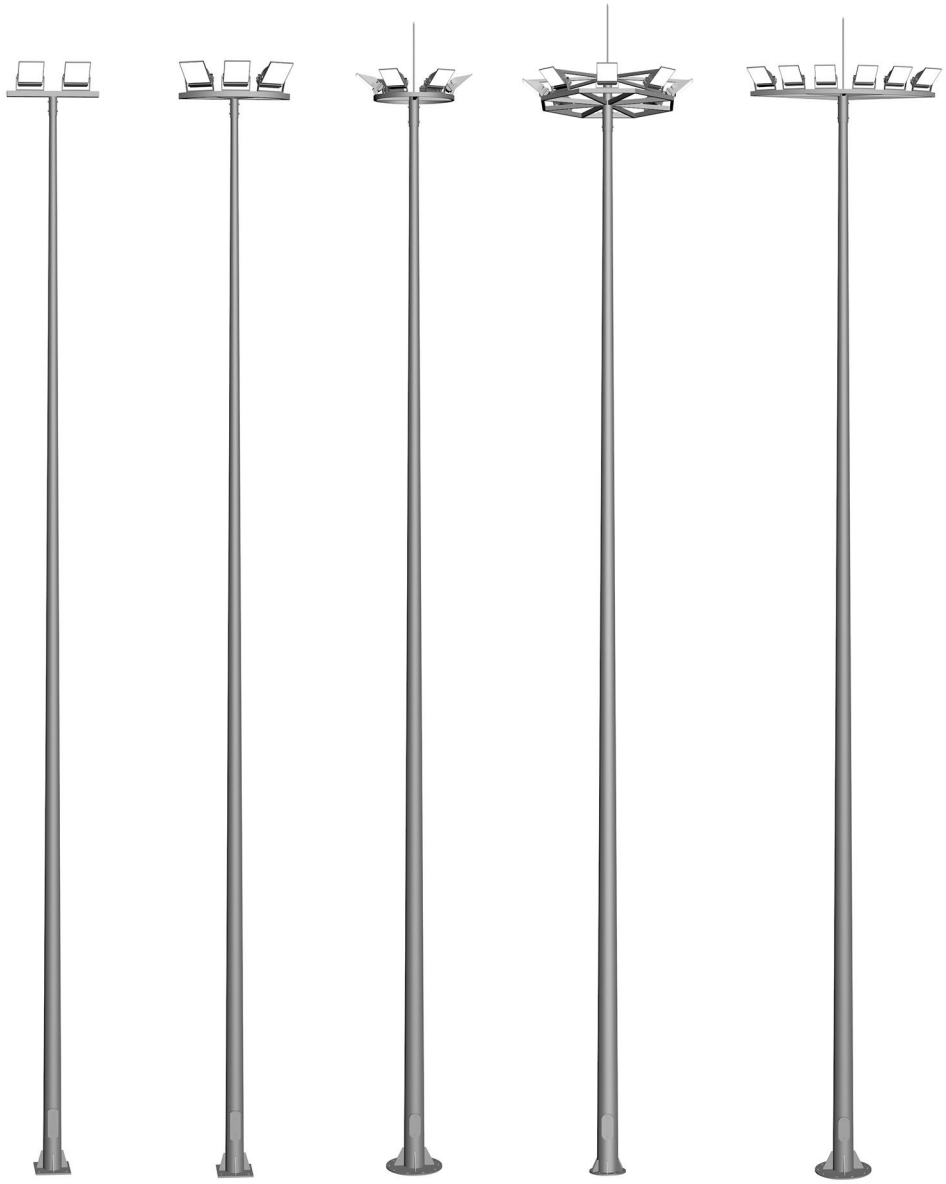
SY-LD-007

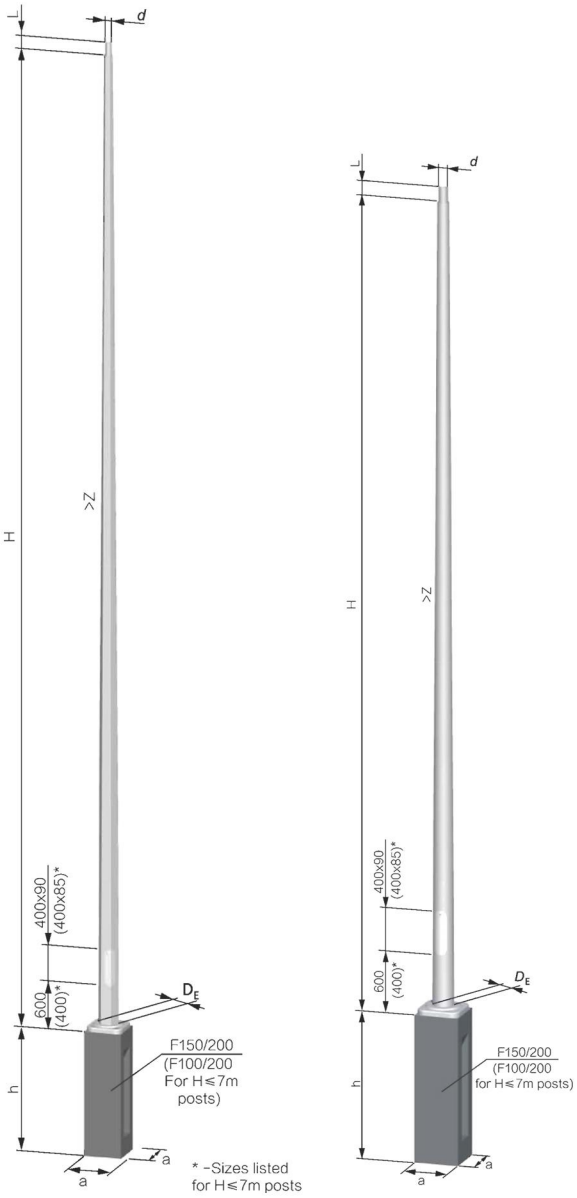
SY-LD-008

SY-LD-009

## MORE POLE FOR CHOOSE





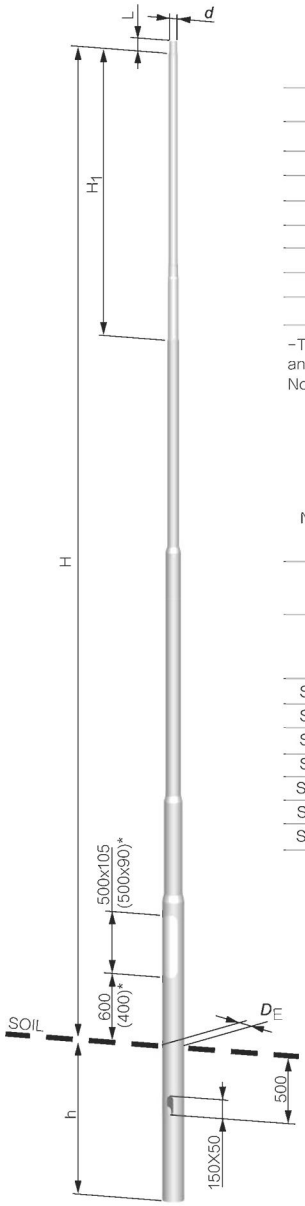



Technical data

| TYPE | H m | d/$D_E$ mm | Z mm/m | L mm | m kg | a x a x h TYPE m |
|---|---|---|---|---|---|---|
| S-60P/6-3 | 6,0 | 48; 60/143 | 13,33 | 100 | 52 | 0,3 x 0,3 x 1,0 F100/200 |
| S-70P/6-3 | 7,0 | | 11,43 | | 60 | |
| S-80P/6-3 | 8,0 | 48; 60/160 | 12,5 | | 74 | 0,3 x 0,3 x 1,5 F150/200 |
| S-90P/6-3 | 9,0 | | 11,11 | | 83 | |
| S-100P/6-3 | 10,0 | 48; 60/186 | 12,6 | | 102 | |
| S-110P/6-3 | 11,0 | | 11,45 | | 111 | |
| S-120P/6-3 | 12,0 | | 10,5 | | 121 | |

Strength data

| TYPE | Lamp fixture weight | Wind Zone,PN EN 1991-1-4 Permissible lamp fixture surface[$m^2$] | | | | $M_F$ |
|---|---|---|---|---|---|---|
| | kg | I ≤300m a.s.l | I ≤500m a.s.l. | II ≤300m a.s.l. | III ≤950m a.s.l. | kNm |
| S-60P/6-3 | 50 | 0,894 | 0,631 | 0,563 | 0,357 | 6,1 |
| S-70P/6-3 | 50 | 0,594 | 0,388 | 0,335 | 0,174 | 6,1 |
| S-80P/6-3 | 50 | 0,828 | 0,556 | 0,486 | 0,273 | 9,9 |
| S-90P/6-3 | 50 | 0,576 | 0,350 | 0,291 | 0,114 | 9,9 |
| S-100P/6-3 | 50 | 0,703 | 0,428 | 0,357 | 0,143 | 13,8 |
| S-110P/6-3 | 50 | 0,472 | 0,236 | 0,176 | - | 13,8 |
| S-120P/6-3 | 50 | 0,277 | 0,072 | 0,020 | - | 13,8 |




* -Sizes listed for H≤7m posts

Technical data

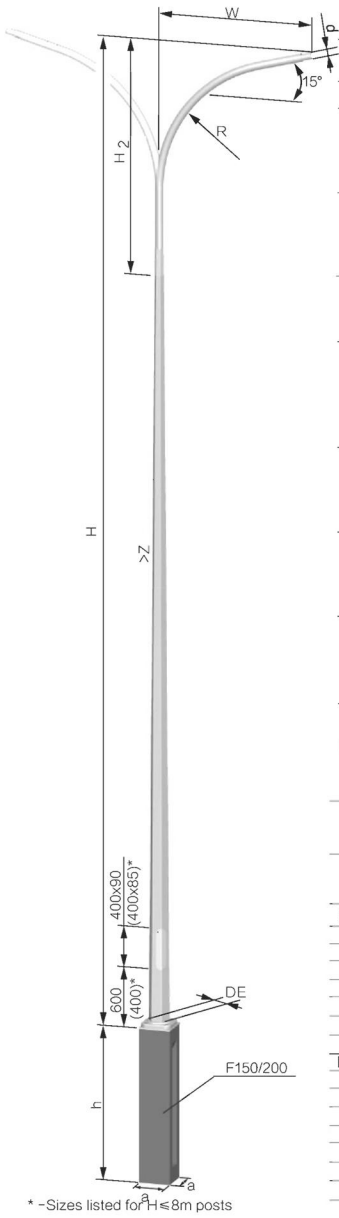
| TYPE | H | $t_{bl}$ | | | L | m | h |
|---|---|---|---|---|---|---|---|
| | m | mm | m | mm | mm | kg | m |
| S-60SRwPG/4 | 6,0 | 4 | 2,0 | 48; 60/140 | 100 | 68,7 | 1,2 |
| S-70SRwPG/4 | 7,0 | | 2,0 | | | 75,2 | |
| S-80SRwPG/4 | 8,0 | | 2,2 | 48; 60/170 | | 106,6 | |
| S-90SRwPG/4 | 9,0 | | 2,5 | | | 132,8 | 1,5 |
| S-100SRwPG/4 | 10,0 | | 3,5 | | | 140,3 | |
| S-110SRwPG/4 | 11,0 | | 2,2 | | | 148,8 | 1,7 |
| S-120SRwPG/4 | 12,0 | | 3,2 | | | 157,4 | |

-The depth"h" of planting is calculated for virgin soil (i.e. of undisturbed structure) and soil engineering parameters of Group II acc. to the table on p. 7.
Note:H1-straightpost extension piece, ordered separately

Note:The number of diameter reductions depends on the post type.

Strength data

| TYPE | Lamp fixture weight | Wind Zone,PN EN 1991-1-4 Permissible lamp fixture surface[$m^2$] | | | | $M_{Fr}$ |
|---|---|---|---|---|---|---|
| | kg | I ⩽300m a.s.l. | I ⩽500m a.s.l. | II ⩽300m a.s.l. | III ⩽950m a.s.l. | kNm |
| S-60SRwPG/4 | 50 | 1,479 | 1,093 | 0,995 | 0,702 | 9,0 |
| S-70SRwPG/4 | 50 | 1,042 | 0,745 | 0,671 | 0,453 | 9,0 |
| S-80SRwPG/4 | 50 | 1,518 | 1,128 | 1,024 | 0,716 | 14,2 |
| S-90SRwPG/4 | 50 | 1,163 | 0,830 | 0,746 | 0,503 | 14,2 |
| S-100SRwPG/4 | 50 | 0,818 | 0,589 | 0,520 | 0,326 | 14,2 |
| S-110SRwPG/4 | 50 | 0,614 | 0,394 | 0,339 | 0,189 | 14,2 |
| S-120SRwPG/4 | 50 | 0,424 | 0,241 | 0,194 | 0,073 | 14,2 |




* -Sizes listed for H⩽8m posts

Technical data

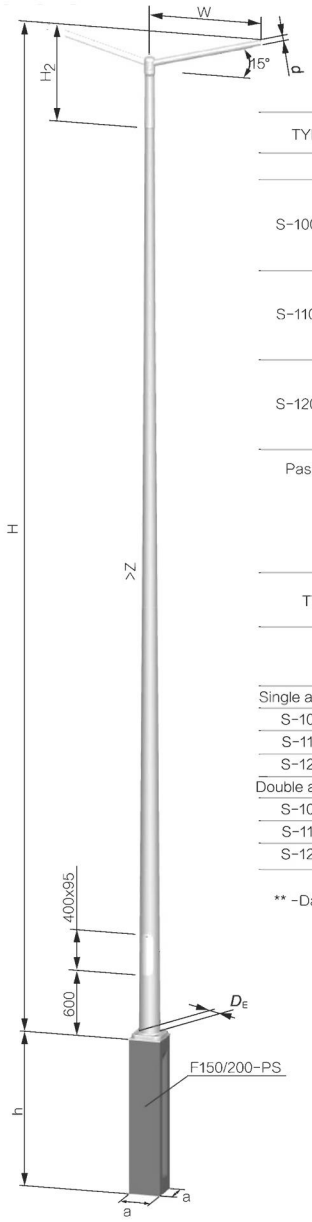
| TYPE | SHANK TYPE | W | H | $H_2$ | R (max) | $d/D_E$ | Z | m** | a x a x h TYPE |
|---|---|---|---|---|---|---|---|---|---|
| | | m | m | m | m | mm | mm/m | kg | m |
| S-60/6-3 | S-50/6-3 | 1,0 | 6 | 1,0 | 0,65 | 48; 60/143 | 16,0 | 54 | 0,3 x 0,3 x 1,0 F100/200 |
| | | 1,5 | | | | | | 56 | |
| | | 2,0 | | | | | | 58 | |
| | | 2,5 | | | | | | 60 | |
| S-70/6-3 | S-60P/6-3 | 1,0 | 7 | | | | 13,33 | 62 | |
| | | 1,5 | | | | | | 64 | |
| | | 2,0 | | | | | | 66 | |
| | | 2,5 | | | | | | 68 | |
| S-80/6-3 | S-70P/6-3 | 1,0 | 8 | | | | 11,43 | 69 | 0,3 x 0,3 x 1,5 F150/200 |
| | | 1,5 | | | | | | 71 | |
| | | 2,0 | | | | | | 73 | |
| | | 2,5 | 9 | | | | | 75 | |
| S-90/6-3 | S-80P/6-3 | 1,0 | | | | 48; 60/160 | 12,5 | 83 | |
| | | 1,5 | | | | | | 85 | |
| | | 2,0 | | | | | | 87 | |
| | | 2,5 | | | | | | 89 | |
| S-100/6-3 | S-90P/6-3 | 1,0 | 10 | | | | 11,11 | 92 | |
| | | 1,5 | | | | | | 94 | |
| | | 2,0 | | | | | | 96 | |
| | | 2,5 | | | | | | 98 | |
| S-110/6-3 | S-100P/6-3 | 1,0 | 11 | | | 48; 60/186 | 12,6 | 111 | |
| | | 1,5 | | | | | | 113 | |
| | | 2,0 | | | | | | 115 | |
| | | 2,5 | | | | | | 117 | |
| S-120/6-3 | S-110P/6-3 | 1,0 | 12 | | | | 11,45 | 121 | |
| | | 1,5 | | | | | | 123 | |
| | | 2,0 | | | | | | 125 | |
| | | 2,5 | | | | | | 127 | |

Note: The bracket is 1 m above the post. Post with type ST-Ybracket shown. Type ST bracket is compatible with this post type.

Strength data

| TYPE | W | Lamp fixture weight/ bracket | Wind Zone,PN EN 1991-1-4 Permissible lamp fixture surface[$m^2$] | | | | $M_F$ |
|---|---|---|---|---|---|---|---|
| | m | kg | I ⩽300m a.s.l. | I ⩽500m a.s.l. | II ⩽300m a.s.l. | III ⩽950m a.s.l. | kNm |
| Single arm bracket | | | | | | | |
| S-60/6-3 | 1,5 | 14 | 0,333 | 0,221 | 0,192 | 0,103 | 6,1 |
| S-70/6-3 | 1,5 | 14 | 0,245 | 0,144 | 0,118 | 0,039 | 6,1 |
| S-80/6-3 | 1,5 | 14 | 0,157 | 0,067 | 0,044 | - | 6,1 |
| S-90/6-3 | 1,5 | 14 | 0,281 | 0,156 | 0,123 | 0,025 | 9,9 |
| S-100/6-3 | 1,5 | 14 | 0,186 | 0,072 | 0,043 | - | 9,9 |
| S-110/6-3 | 1,5 | 14 | 0,304 | 0,143 | 0,101 | - | 13,8 |
| S-120/6-3 | 1,5 | 14 | 0,182 | 0,036 | - | - | 13,8 |
| Double arm bracket | | | | | | | |
| S-60/6-3 | 1,5 | 14 | 0,646 | 0,426 | 0,368 | 0,196 | 6,1 |
| S-70/6-3 | 1,5 | 14 | 0,446 | 0,234 | 0,180 | - | 6,1 |
| S-80/6-3 | 1,5 | 14 | 0,224 | 0,050 | - | - | 6,1 |
| S-90/6-3 | 1,5 | 14 | 0,436 | 0,204 | 0,142 | - | 9,9 |
| S-100/6-3 | 1,5 | 14 | 0,234 | 0,034 | - | - | 9,9 |
| S-110/6-3 | 1,5 | 14 | 0,356 | 0,110 | 0,046 | - | 13,8 |
| S-120/6-3 | 1,5 | 14 | 0,158 | - | - | - | 13,8 |

SUNTEKSOLAR




Technical data

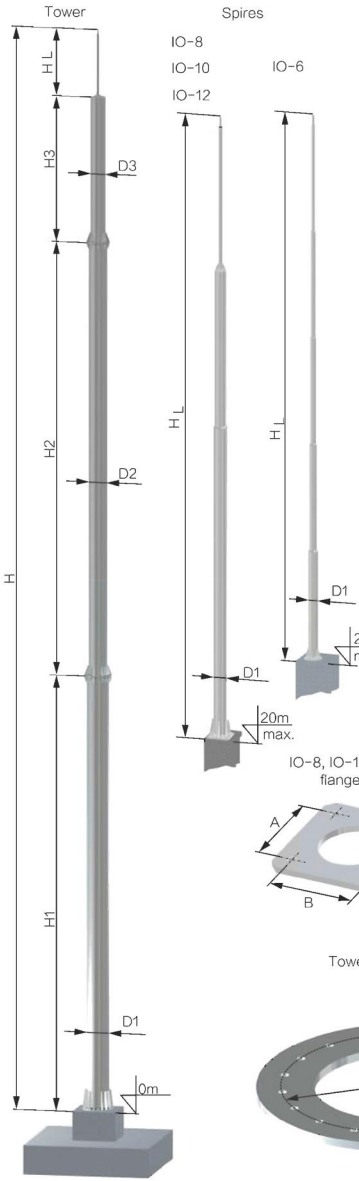
| TYPE | W | H | $H_2$ | d/$D_E$ | Z | m** | a x a x h TYPE |
|---|---|---|---|---|---|---|---|
| | m | m | m | mm | mm/m | kg | m |
| S-100C-PS | 1,0 | 10 | 0,75 | 48; 60/196 | 12 | 86 | 0,3 x 0,3 x 1,5 F150/200-PS |
| | 1,5 | | | | | 87 | |
| | 2,0 | | | | | 89 | |
| | 2,5 | | | | | 91 | |
| S-110C-PS | 1,0 | 11 | 1,75 | | | 92 | |
| | 1,5 | | | | | 93 | |
| | 2,0 | | | | | 94 | |
| | 2,5 | | | | | 95 | |
| S-120C-PS | 1,0 | 12 | 2,75 | | | 98 | |
| | 1,5 | | | | | 99 | |
| | 2,0 | | | | | 100 | |
| | 2,5 | | | | | 101 | |

Passive safety classification:100HE3

Strength data

| TYPE | W | Lamp fixture weight / bracket | Wind Zone,PN EN 1991-1-4 Permissible lamp fixture surface[m²] | | | | $M_F$ |
|---|---|---|---|---|---|---|---|
| | m | kg | I ≤300m a.s.l. | I ≤500m a.s.l. | II ≤300m a.s.l. | III ≤950m a.s.l. | kNm |
| Single arm bracket | | | | | | | |
| S-100C-PS | 1,5 | 15 | 0,653 | 0,471 | 0,427 | 0,297 | 12,3 |
| S-110C-PS | 1,5 | 15 | 0,485 | 0,334 | 0,297 | 0,190 | 12,3 |
| S-120C-PS | 1,5 | 15 | 0,355 | 0,226 | 0,194 | 0,090 | 12,3 |
| Double arm bracket | | | | | | | |
| S-100C-PS | 1,5 | 15 | 0,652 | 0,426 | 0,370 | 0,214 | 12,3 |
| S-110C-PS | 1,5 | 15 | 0,456 | 0,268 | 0,222 | 0,100 | 12,3 |
| S-120C-PS | 1,5 | 15 | 0,300 | 0,140 | 0,100 | - | 12,3 |

** -Data for single arm brackets




Technical data

| TYPE | H | H1 | H2 | H3 | D1* | D2* | D3* | $H_L$ | n x s/ M n xs/Ax B |
|---|---|---|---|---|---|---|---|---|---|
| | m | m | m | m | mm | mm | mm | m | mm |
| IO-6 | 6 | - | - | - | 102 | - | - | 6,0 | 8 x M16/Ø145 |
| IO-8 | 8 | - | - | - | 168 | - | - | 8,0 | 4 x M20/200 x 200 |
| IO-10 | 10 | - | - | - | 168 | - | - | 10,0 | 4 x M20/200 x 200 |
| IO-12 | 12 | - | - | - | 168 | - | - | 12,0 | 4 x M20/200 x 200 |
| WO-13 | 13 | 12,0 | - | - | 194 | - | - | 1,0 | 10 x M20/Ø290 |
| WO-17 | 17 | 12,0 | 4,0 | - | 324 | 244 | - | 1,0 | 12 x M20/410 |
| WO-22 | 22 | 12,0 | 8,0 | - | 324 | 244 | - | 2,0 | 12 x M20/410 |
| WO-25 | 25 | 12,0 | 12,0 | - | 406 | 324 | - | 1,0 | 12 x M24/500 |
| WO-28 | 28 | 12,0 | 12,0 | 3,0 | 508 | 355 | 244 | 1,0 | 12 x M24/600 |
| WO-30 | 30 | 12,0 | 12,0 | 4,0 | 610 | 508 | 406 | 2,0 | 18 x M24/700 |
| WO-36 | 36 | 12,0 | 12,0 | 11,0 | 610 | 508 | 406 | 1,0 | 18 x M24/700 |

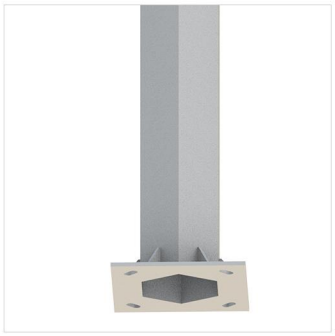
*-Thepipediametersgivenforstructuresintendedforuse inWindZonelacc.toPN-EN1991-1-4maychangeifotherWindZonesareforeseen. TypeWOlightningarrestortower:intended forinstallationonthegroundlevelassupporttowers inlightningprotectionsystems.

TypeIOlightningarrestorspire:intended forinstallationonbuildings,linegates,overhead powerlinesupportstructures,etc. SeetheProductDataSheetsavailablefromourSales &ContractDepartmentfordetailedtechnical parameters. ThefoundingoftypeWOtowersandanchoringoftype IOspiresshallbedesignedaccording totherespectiveProductDataSheets. Thestructureshavebeencertifiedforcompliance withPN-EN1090andmeettheloadbearing andoperationrequirementsofPN-EN1993. Non-listedstructureheightsareavailableoncustom order.

## Main Pole shape

CONICAL

SQUARE

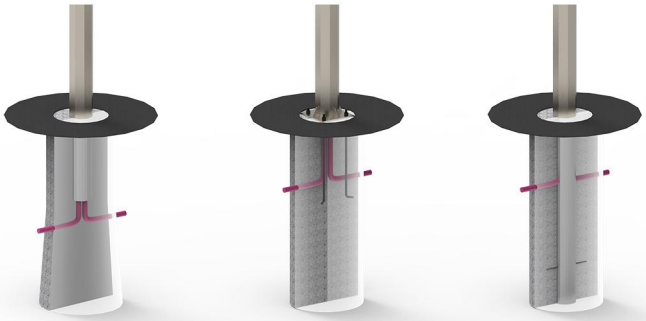


HEXAGONAL

OCTAGONAL CONICAL

POLYGONAL

## Installation type

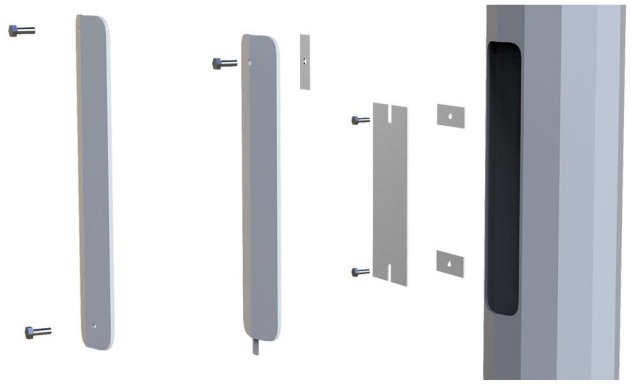


Installation -1
Signal detonator
Class He3

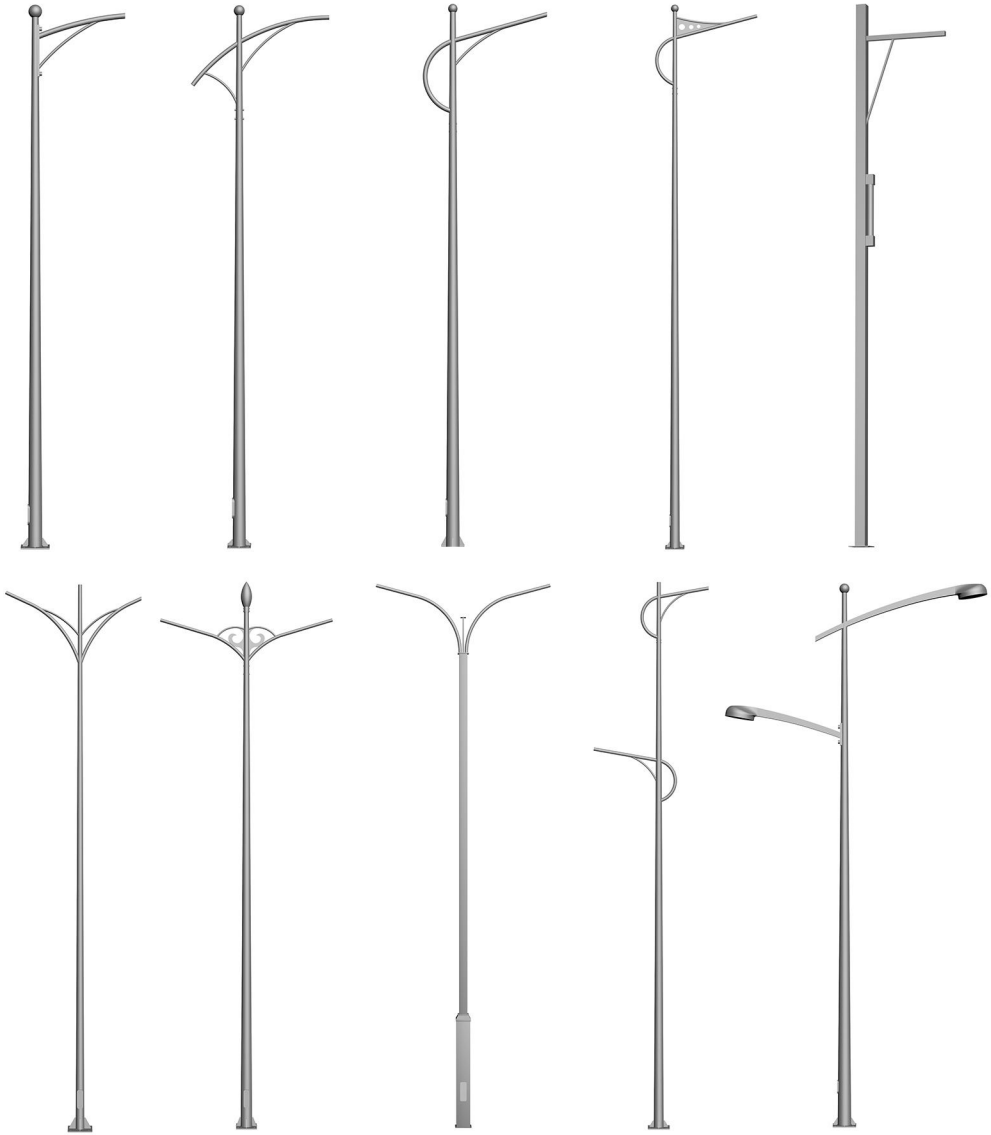
Installation -2
On the flange plate
Class He2

Installation -3
Embedded
Class He3

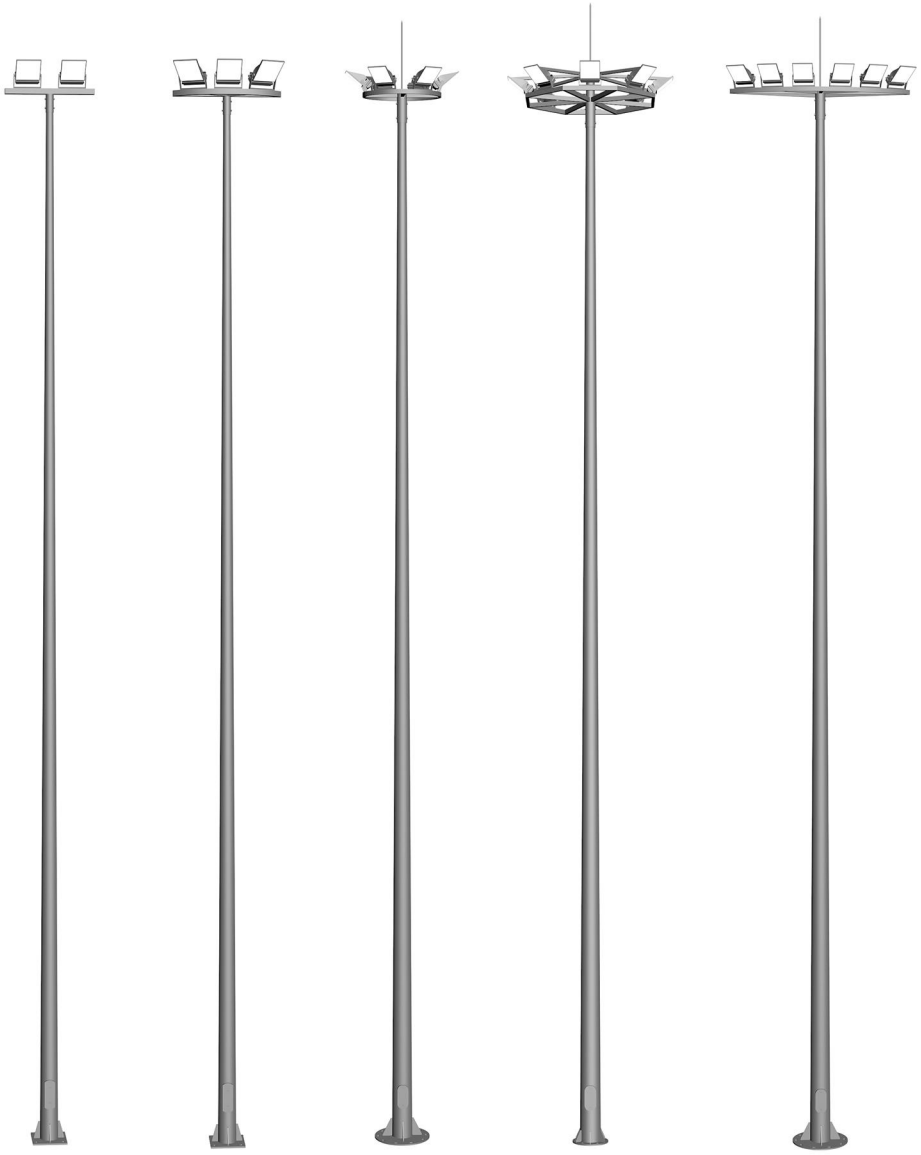
## Door structure



## PROJECT DISPLAY -LED STREET LIGHT POLE

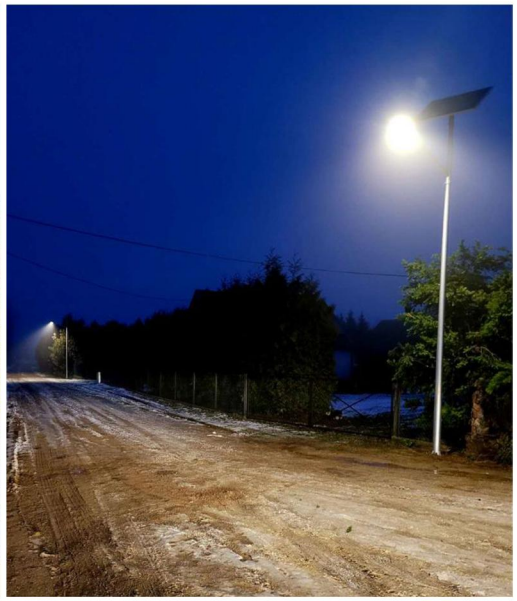


## PROJECT DISPLAY -HIGH MAST LIGHT POLE



## PROJECT DISPLAY -LIGHT POLE

## PROJECT DISPLAY-LIGHT POLE



asa 50+ XPONIA

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***Α.Φ.Μ*** : 094077709 ***ΔΙΕΥΘΥΝΣΗ*** : ΕΛ.ΒΕΝΙΖΕΛΟΥ 29 ***ΠΕΡΙΟΧΗ*** : ΑΓ.ΣΤΕΦΑΝΟΣ ΑΤΤΙΚΗΣ
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