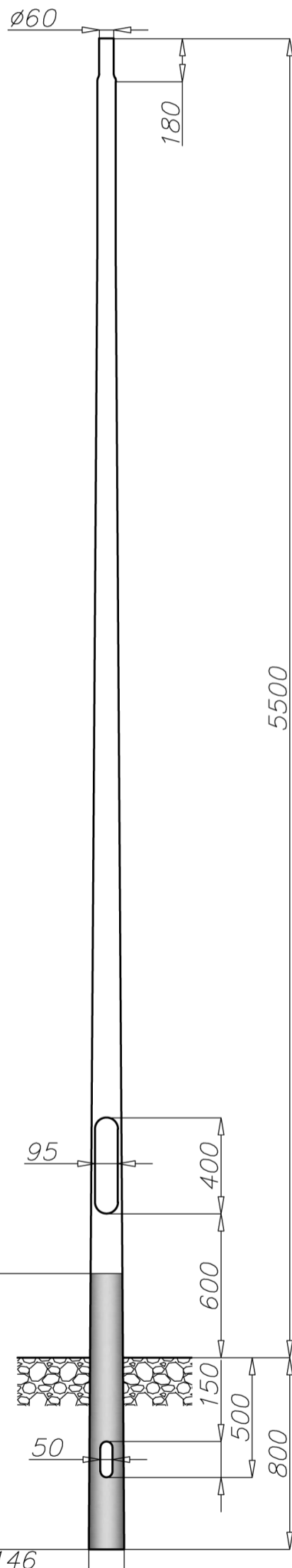


Aluminium column SAL-55 dz

diameter 146 mm at ground level



Technical data

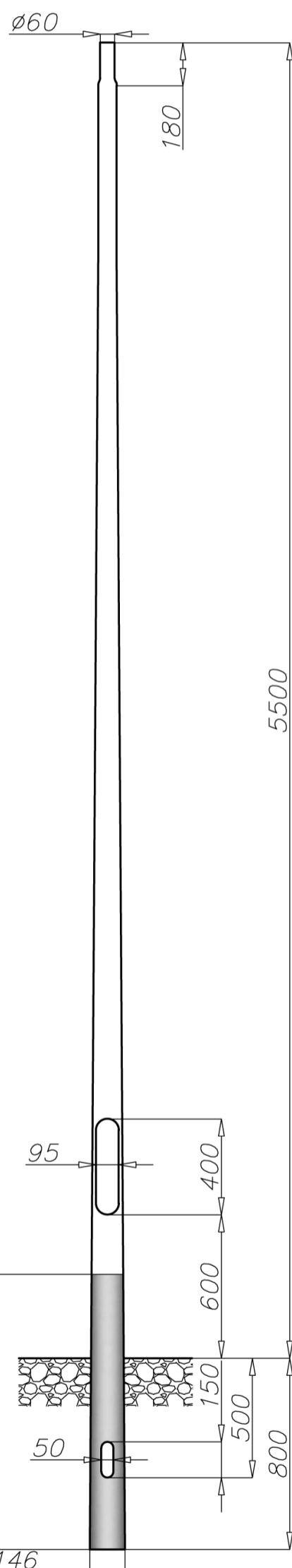
| | |
|---------------------------|---|
| Aluminium Column | SAL-55 dz |
| Product code | 42322 |
| Column height H [m] | 5,5 |
| Wall thickness [mm] | 4,2 |
| Net weight [kg] | 24,1 |
| Volume [m ³] | 0,64 |
| Post top column | luminaires with $\varnothing 60$ spigot entry with weight and windage not exceeding data in resistance calculations |
| Compatible extension arms | according to resistance calculations |
| Rooted section h [m] | 0,8 |

Resistance calculations

| SAL-55 dz code 42322 | | acceptable windage of single luminaire [m ²] for Cx=0,7 | | | |
|-------------------------|---------------------------------------|---|--|----------------------------------|--|
| | | Vref. = 22 m/s | Vref. = 24 m/s | Vref. = 26 m/s | Vref. = 28 m/s |
| extension arm type | acceptable weight of single luminaire | I zone, II location category | I and III zone, II location category to 450 m AMSL | II zone, II location category | III zone, II location category to 755 m AMSL |
| WA-01 | 10 | 0,96 | 0,79 | 0,57 | 0,50 |
| WA-1 | 10 | 0,98 | 0,81 | 0,59 | 0,52 |
| WA-2 | 10 | 0,79 | 0,64 | 0,44 | 0,38 |
| WA-4 | 10 | 0,67 | 0,53 | 0,35 | 0,29 |
| WA-5/1 | 10 | 0,54 | 0,44 | 0,29 | 0,25 |
| WA-5/2 | 8 | 0,29 | 0,21 | x | x |
| WA-8/1 | 10 | 0,62 | 0,50 | 0,33 | 0,29 |
| WA-8/2 | 8 | 0,30 | 0,22 | x | x |
| WA-11/1 | 10 | 0,6 | 0,47 | 0,31 | 0,26 |
| WA-11/2 | 8 | 0,33 | 0,25 | 0,13 | x |
| WA-14/1 | 10 | 0,62 | 0,50 | 0,33 | 0,28 |
| WA-14/2 | 8 | 0,34 | 0,25 | 0,14 | x |
| WA-15/1 P | 10 | 0,65 | 0,53 | 0,36 | 0,30 |
| WA-15/1 U | 15 | 0,46 | 0,37 | 0,24 | 0,20 |
| WA-15/2 | 8/15 | 0,27 | 0,20 | x | x |
| WA-20/1 | 10 | 0,34 | 0,25 | x | x |
| WR-1/1 | 15 | 0,7 | 0,58 | 0,41 | 0,37 |
| WR-1/2 | 15 | 0,38 | 0,31 | 0,21 | 0,18 |
| WR-2/1 | 15 | 0,47 | 0,38 | 0,26 | 0,22 |
| WR-2/2 | 15 | 0,31 | 0,24 | 0,15 | x |
| WR-2/3 | 15 | 0,22 | 0,17 | x | x |
| WR-3/1 | 15 | 0,43 | 0,35 | 0,23 | 0,20 |
| WR-3/2 | 15 | 0,3 | 0,23 | 0,14 | x |

Aluminium column SAL-55 dz

diameter 146 mm at ground level



Resistance calculations

| SAL-55 dz code 42322 | | acceptable windage of single luminaire [m ²] for C _x =0,7 | | | |
|-------------------------|---------------------------------------|--|--|-------------------------------|--|
| | | Vref. = 22 m/s | Vref. = 24 m/s | Vref. = 26 m/s | Vref. = 28 m/s |
| extension arm type | acceptable weight of single luminaire | I zone, II location category | I and III zone, II location category to 450 m AMSL | II zone, II location category | III zone, II location category to 755 m AMSL |
| WR-4/1 | 15 | 0,64 | 0,53 | 0,37 | 0,33 |
| WR-4/2 | 15 | 0,39 | 0,31 | 0,21 | 0,18 |
| WR-5A/1 | 15 | 0,49 | 0,39 | 0,26 | 0,22 |
| WR-5A/2 | 15 | 0,27 | 0,21 | 0,13 | x |
| WR-6A/1 | 15 | 0,78 | 0,64 | 0,45 | 0,40 |
| WR-8A/1 | 15 | 0,51 | 0,41 | 0,28 | 0,24 |
| WR-13/1 | 15 | 0,49 | 0,39 | 0,25 | 0,20 |
| WR-13/2 | 15 | 0,29 | 0,21 | x | x |
| WR-14/1 | 15 | 0,39 | 0,30 | 0,2 | 0,16 |
| WR-15/1 | 15 | 0,47 | 0,37 | 0,25 | 0,21 |
| WR-15/2 | 15 | 0,32 | 0,25 | 0,15 | x |
| WN-1 | 15 | 0,68 (C _x =1) | 0,57 (C _x =1) | 0,42 (C _x =1) | 0,38 (C _x =1) |
| WN-2 | 15 | 0,32 (C _x =1) | 0,27 (C _x =1) | 0,19 (C _x =1) | 0,17 (C _x =1) |
| WN-21 | 15 | 0,3 (C _x =1) | 0,25 (C _x =1) | 0,17 (C _x =1) | 0,15 (C _x =1) |

| SAL-55 dz code 42322 | | acceptable windage of luminaires and extension arms [m ²] for C _x =1 | | | |
|---|--|---|--|-------------------------------|--|
| | | Vref. = 22 m/s | Vref. = 24 m/s | Vref. = 26 m/s | Vref. = 28 m/s |
| acceptable mass of luminaires and extension arms [kg] | | I zone, II location category | I and III zone, II location category to 450 m AMSL | II zone, II location category | III zone, II location category to 755 m AMSL |
| 30 | | 0,74 | 0,62 | 0,46 | 0,42 |

- surface: polished aluminium
- anodising in 10 colours, each with possibility of brightening
- option of powder painting in RAL colours (other colours available on request)
- elastomer protection in the color of the column to a height of 350 mm (other height on request)
- ROSA standard wiring chamber
- packing: sleeve material
- passive safety certificate 100NE2