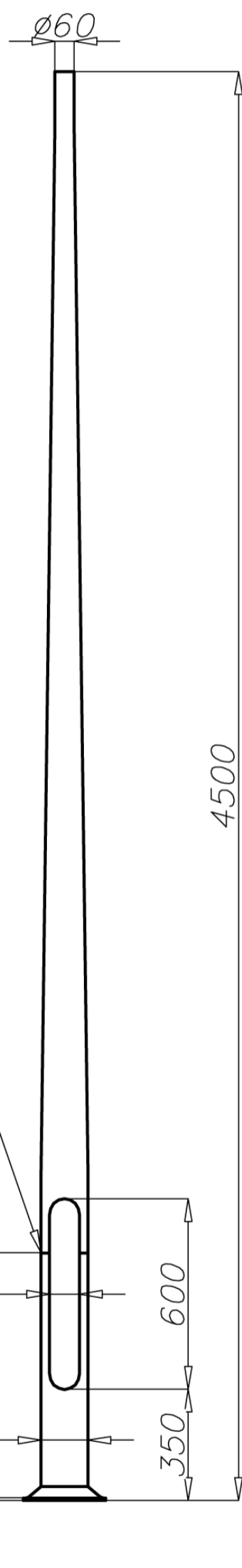


Aluminium column SAL-45/P

diameter 146 mm at the base plate



Technical data

| | |
|--|---|
| Aluminium Column | SAL-45/P |
| Product code | 42915 |
| Column height H [m] | 4,5 |
| Wall thickness [mm] | 4,2 |
| Net weight [kg] | 21,6 |
| Volume [m ³] | 0,13 |
| Post top column | luminaires with $\varnothing 60$ spigot entry with weight and windage not exceeding data in resistance calculations |
| Concrete footing / reinforcement basket | B-51 / Z-51 |
| Concrete footing code/reinforcement basket code | 311151 / 311251 |
| Hot galvanized nut set /Hot galvanized ripable nut set | 4008 / 4009 |

Resistance calculations for 30 kg - expected max loading on height 2 m during lowering and raising in angle around 45°.

| SAL-45/P code 42915 | | 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 450m AMSL | II zone, II location category | III zone, II location category to 755m AMSL |
| WR-1/1 | 10,5 | 0,79 | 0,66 | 0,49 | 0,43 |
| WR-4/1 | 11 | 0,81 | 0,67 | 0,49 | 0,44 |
| WN-1 | 12,5 | 0,63(C _x =1) | 0,53(C _x =1) | 0,39(C _x =1) | 0,35(C _x =1) |
| WA-01 | 11 | 0,55(C _x =1) | 0,46(C _x =1) | 0,33(C _x =1) | 0,29(C _x =1) |
| WA-1 | 11 | 0,57(C _x =1) | 0,48(C _x =1) | 0,35(C _x =1) | 0,31(C _x =1) |
| WA-2 | 9,5 | 0,52(C _x =1) | 0,43(C _x =1) | 0,3(C _x =1) | 0,26(C _x =1) |
| WA-4 | 7 | 0,46(C _x =1) | 0,37(C _x =1) | 0,24(C _x =1) | 0,21(C _x =1) |
| WA-14/1 | 11 | 0,62(C _x =1) | 0,5(C _x =1) | 0,34(C _x =1) | 0,29(C _x =1) |
| WA-15/1 P | 10,5 | 0,57(C _x =1) | 0,46(C _x =1) | 0,32(C _x =1) | 0,28(C _x =1) |

| SAL-45/P code 42915 | | 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] - mounted on the height of 4,7m | | I zone, II location category | I and III zone, II location category to 450m AMSL | II zone, II location category | III zone, II location category to 755m AMSL |
| 13,5 | | 0,67(C _x =1) | 0,57(C _x =1) | 0,43(C _x =1) | 0,39(C _x =1) |

Aluminium column SAL-45/P

diameter 146 mm at the base plate



Resistance calculations for 50 kg - expected max loading on height 2 m during lowering and raising in angle around 45°.

| SAL-45/P code 42915 | | 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 450m AMSL | II zone, II location category | III zone, II location category to 755m AMSL |
| WR-1/1 | 18 | 0,74 | 0,61 | 0,45 | 0,4 |
| WR-1/2 | 5 | 0,37 | 0,3 | 0,22 | 0,19 |
| WR-4/1 | 18 | 0,76 | 0,63 | 0,45 | 0,4 |
| WR-4/2 | 5 | 0,38 | 0,31 | 0,22 | 0,19 |
| WN-1 | 18,0 | 0,59(C _x =1) | 0,49(C _x =1) | 0,37(C _x =1) | 0,33(C _x =1) |
| WN-2 | 6,0 | 0,31(C _x =1) | 0,26(C _x =1) | 0,19(C _x =1) | 0,17(C _x =1) |
| WN-21 | 5,5 | 0,29(C _x =1) | 0,24(C _x =1) | 0,18(C _x =1) | 0,16(C _x =1) |
| WA-01 | 18 | 0,51(C _x =1) | 0,42(C _x =1) | 0,3(C _x =1) | 0,27(C _x =1) |
| WA-1 | 18 | 0,54(C _x =1) | 0,44(C _x =1) | 0,32(C _x =1) | 0,28(C _x =1) |
| WA-2 | 18 | 0,49(C _x =1) | 0,39(C _x =1) | 0,27(C _x =1) | 0,23(C _x =1) |
| WA-4 | 18 | 0,42(C _x =1) | 0,34(C _x =1) | 0,22(C _x =1) | 0,18(C _x =1) |
| WA-8/1 | 18 | 0,5(C _x =1) | 0,4(C _x =1) | 0,27(C _x =1) | 0,23(C _x =1) |
| WA-8/2 | 4,5 | 0,2(C _x =1) | 0,15(C _x =1) | x | x |
| WA-14/1 | 18 | 0,57(C _x =1) | 0,46(C _x =1) | 0,31(C _x =1) | 0,27(C _x =1) |
| WA-14/2 | 5,5 | 0,23(C _x =1) | 0,18(C _x =1) | 0,1(C _x =1) | x |
| WA-15/1 P | 18 | 0,53(C _x =1) | 0,43(C _x =1) | 0,29(C _x =1) | 0,25(C _x =1) |

| SAL-45/P code 42915 | | 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] - mounted on the height of 4,7m | | I zone, II location category | I and III zone, II location category to 450m AMSL | II zone, II location category | III zone, II location category to 755m AMSL |
| 26 | | 0,63(C _x =1) | 0,53(C _x =1) | 0,4(C _x =1) | 0,37(C _x =1) |

- 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 option in the color of the column to a height of 350 mm (other height on request)
- ROSA standard wiring chamber
- packing: sleeve material

