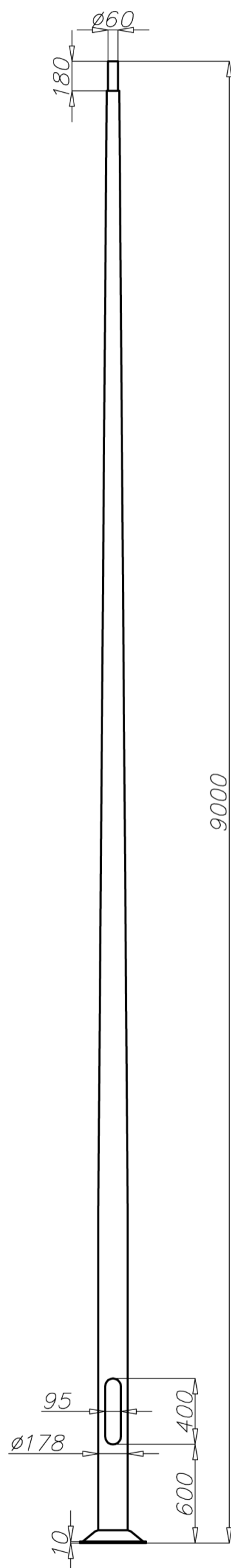


# Aluminium column SAL-90K

diameter 178 mm at the base plate



## Technical data

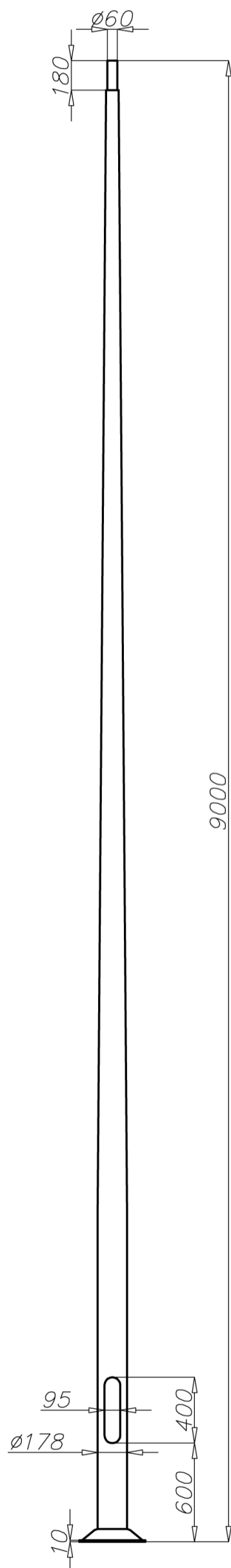
Aluminium Column	SAL-90K
Product code	42632
Column height H [m]	9
Wall thickness [mm]	3,5
Net weight [kg]	42,7
Volume [m <sup>3</sup> ]	0,589
Post top column	luminaires with Ø60 spigot entry with weight and windage not exceeding data in resistance calculations
Compatible extension arms	according to resistance calculations
Concrete footing / reinforcement basket	B-71, B-70 / Z-71, Z-70
Concrete footing code/reinforcement basket code	311171, 311170/311271, 311207
Hot galvanized nut set /Hot galvanized ripable nut set	4012 / 4013

## Resistance calculations

SAL-90K code 42632		acceptable windage of single luminaire [m <sup>2</sup> ] 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 450m AMSL	II zone, II location category	III zone, II location category to 755m AMSL
WR-1/1	15	0,45	0,35	0,23	0,19
WR-1/2	15	0,19	0,14	x	x
WR-2/1	15	0,33	0,24	0,14	0,11
WR-2/2	15	0,12	x	x	x
WR-3/1	15	0,31	0,23	0,12	0,10
WR-3/2	15	0,12	x	x	x
WR-4/1	15	0,43	0,33	0,21	0,18
WR-4/2	15	0,19	0,13	x	x
WR-13/1	15	0,29	0,20	x	x
WR-15/1	15	0,31	0,22	0,11	x
WR-15/2	15	0,11	x	x	x

# Aluminium column SAL-90K

diameter 178 mm at the base plate



## Resistance calculations

SAL-90K code 42632		acceptable windage of single luminaire [m <sup>2</sup> ] for C <sub>x</sub> =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-61	15	0,13	x	x	x
WRP1/1,0/0,7/5	15	0,30	0,21	0,11	x
WRP1/1,5/0,7/5	15	0,22	0,15	x	x
WRP2/1,0/0,7/5	15	0,11	x	x	x
WN-1	15	0,39 (C <sub>x</sub> =1)	0,31 (C <sub>x</sub> =1)	0,21 (C <sub>x</sub> =1)	0,19 (C <sub>x</sub> =1)
WN-2	15	0,17 (C <sub>x</sub> =1)	0,13 (C <sub>x</sub> =1)	x	x
WN-21	15	0,15 (C <sub>x</sub> =1)	0,11 (C <sub>x</sub> =1)	x	x
WN-3	10	0,12 (C <sub>x</sub> =1)	x	x	x

SAL-90K code 42632		acceptable windage of luminaires and extension arms [m <sup>2</sup> ] for C <sub>x</sub> =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 450m AMSL	II zone, II location category	III zone, II location category to 755m AMSL
30		0,41	0,33	0,23	0,20

- 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

