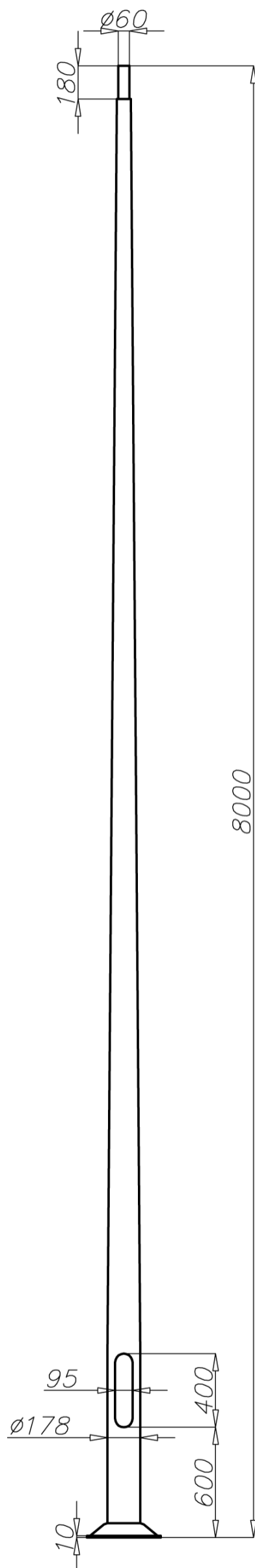


Aluminium column SAL-80K

diameter 178 mm at the base plate



Technical data

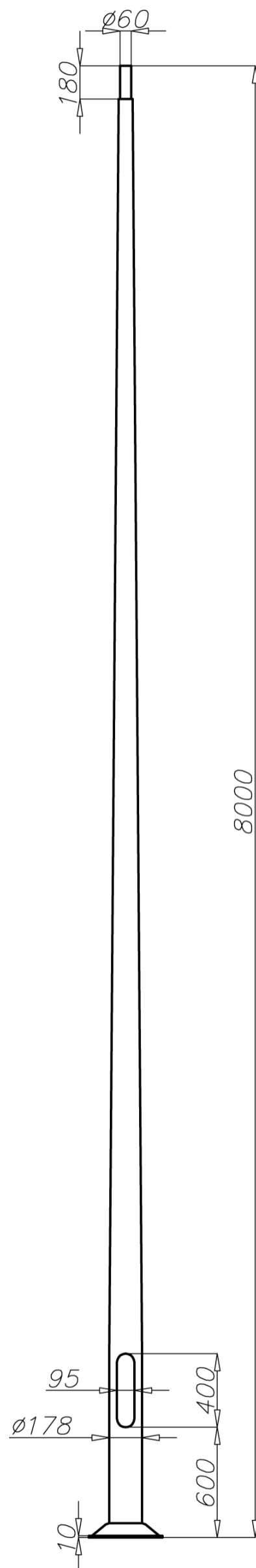
Aluminium Column	SAL-80K
Product code	42630
Column height H [m]	8
Wall thickness [mm]	3,5
Net weight [kg]	37,4
Volume [m ³]	0,525
Post top column	luminaires with $\varnothing 60$ spigot entry with weight and windage not exceeding data in resistance calculations
Compatible extension arms	according to resistance calculations
Concrete footing / reinforcement basket	B-71, B-70 / Z-71, Z-70
Concrete footing code/reinforcement basket	311171, 311170/311271, 311207
Hot galvanized nut set /Hot galvanized ripable nut set	4012 / 4013

Resistance calculations

SAL-80K code 42630		acceptable windage of single luminaire [m ²] for $C_x=0,7$			
extension arm type	acceptable weight of single luminaire	Vref. = 22 m/s	Vref. = 24 m/s	Vref. = 26 m/s	Vref. = 28 m/s
		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	0,69	0,57	0,40	0,35
WR-1/2	15	0,32	0,25	0,17	0,14
WR-2/1	15	0,53	0,42	0,28	0,24
WR-2/2	15	0,25	0,19	0,11	x
WR-2/3	15	0,18	0,13	x	x
WR-3/1	15	0,50	0,40	0,27	0,23
WR-3/2	15	0,25	0,18	0,10	x
WR-3/3	15	0,17	0,13	x	x
WR-4/1	15	0,66	0,54	0,38	0,33
WR-4/2	15	0,32	0,25	0,17	0,14
WR-5A/1	15	0,53	0,42	0,27	0,23
WR-5A/2	15	0,24	0,18	0,10	x
WR-6A/1	15	0,70	0,57	0,40	0,35
WR-8/1	15	0,36	0,26	0,14	0,11
WR-8A/1	15	0,54	0,43	0,28	0,24
WR-9/1	15	0,34	0,25	0,13	0,10
WR-12/1	15	0,37	0,28	0,15	0,12
WR-13/1	15	0,51	0,40	0,24	0,20
WR-13/2	15	0,22	0,15	x	x
WR-13/3	15	0,15	0,10	x	x
WR-14/1	15	0,45	0,35	0,22	0,19
WR-15/1	15	0,52	0,41	0,26	0,22
WR-15/2	15	0,25	0,18	0,10	x
WR-15/3	10	0,2	0,14	x	x
WR-17/1	10	0,25	0,16	x	x
WR-18	15	0,30	0,21	0,10	x
WR-18A	15	0,21	0,13	x	x
WR-18B	15	0,14	x	x	x
WR-31	15	0,23	0,13	x	x
WR-61	15	0,29	0,20	x	x

Aluminium column SAL-80K

diameter 178 mm at the base plate



Resistance calculations

SAL-80K code 42630		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 450m AMSL	II zone, II location category	III zone, II location category to 755m AMSL
WRP1/1,0/0,7/5	15	0,49	0,39	0,25	0,21
WRP1/1,0/1,2/5	15	0,39	0,30	0,17	0,14
WRP1/1,5/0,7/5	15	0,40	0,30	0,18	0,14
WRP1/1,5/1,2/5	15	0,30	0,22	0,10	x
WRP2/1,0/0,7/5	15	0,24	0,18	x	x
WRP2/1,0/1,2/5	15	0,17	0,12	x	x
WRP2/1,5/0,7/5	15	0,19	0,13	x	x
WRP2/1,5/1,2/5	15	0,12	x	x	x
WRP3/1,0/0,7/5	15	0,19	0,14	x	x
WRP3/1,0/1,2/5	15	0,14	x	x	x
WRP3/1,5/0,7/5	15	0,16	0,11	x	x
WRP3/1,5/1,2/5	15	0,11	x	x	x
WN-1	15	0,6 (Cx=1)	0,49 (Cx=1)	0,36 (Cx=1)	0,32 (Cx=1)
WN-2	15	0,27 (Cx=1)	0,22 (Cx=1)	0,16 (Cx=1)	0,14 (Cx=1)
WN-21	15	0,25 (Cx=1)	0,2 (Cx=1)	0,14 (Cx=1)	0,12 (Cx=1)
WN-3	10	0,2 (Cx=1)	0,16 (Cx=1)	0,11 (Cx=1)	x

SAL-80K code 42630		acceptable windage of luminaires and extension arms [m ²] for Cx=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		0,61	0,51	0,38	0,34

- surface: polished aluminium
- anodizing in 12 colours
- 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

