

» V. ALUMINIUM COLUMNS FOR TRAFFIC SIGNAL LIGHTS



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Aluminium, straight columns for traffic signal lights



APPLICATION:
designed for installing traffic lights on crossroads, pedestrian crossings etc.

TECHNICAL INFORMATION:

- height 3 - 3,55 m for straight columns and 6,5 m for columns with outreach,
- column base diameter Ø120 for straight ones and Ø225 for columns with outreach,
- sheet base,
- outreach length 4 or 7 m, gate width 8 or 14 m.

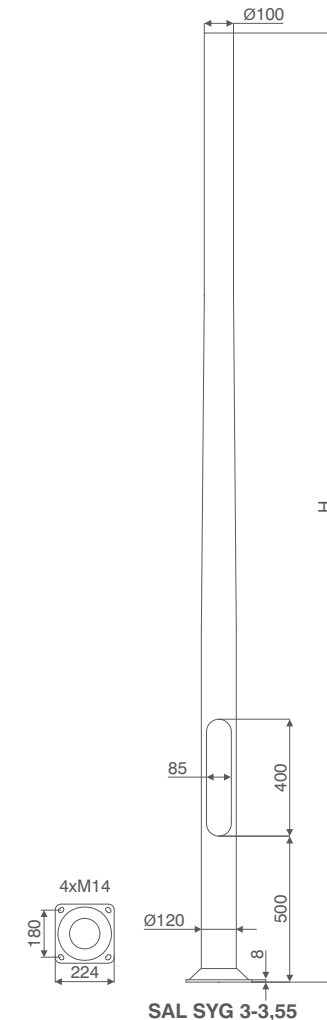
Column type		SAL SYG 3	SAL SYG 3,25	SAL SYG 3,55
Height H [m]		3,00	3,25	3,55
Colour-anodizing method	C0 - natural colour	42801/C0	42802/C0	42803/C0
	C - electrochemical colouring	42801/C..	42802/C..	42803/C..
	CI - interference colouring	42801/CI..	42802/CI..	42803/CI..
Code				
Painting - polyester powder paints according to RAL pallet		43801	43802	43803
Net weight [kg]		13,2	13,8	14,6
Approximate unit volume [m³]*		0,04	0,05	0,05
Concrete footing type		B-50		
Concrete footing code		311150		
Reinforcement basket type		Z-50		
Reinforcement basket code		311205		
Hot galvanized nut set		4006		
Hot galvanized ripable nut set		4007		
Base dimensions (side length/fixing hole spacing/thickness) [mm]		224 / 180 / 8		

* For orders more than 10 pcs stated volume may change according to packing

Acceptable column load

Acceptable luminaires and signs		30		
Acceptable windage of luminaires and signs [m²] for Cx=1	I zone, II location category 22 m/s, (79,2 km/h)	1,45	1,26	1,11
	I and III zone, II location category For 450 m n.p.m. 24 m/s, (86,4 km/h)	1,26	1,10	0,97
	II zone, II location category 26 m/s, (93,6 km/h)	1,00	0,88	0,77
	III zone, II location category For 750 m n.p.m. 27,9 m/s, (100,6 km/h)	0,94	0,81	0,72

Specified luminaires must always be checked against published column wind zone loadings and location categories



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» Aluminium columns for traffic signal lights with outreach

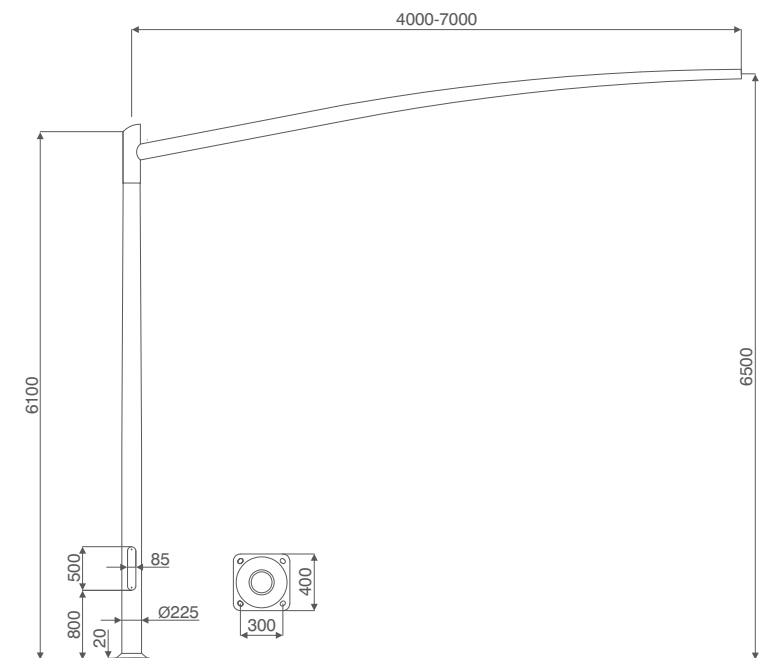
Column type	SAL SYG 65-4	SAL SYG 65-7	
Height H [m]	6,5		
Reach [m]	4,0	7,0	
Colour - - anodizing method	C0 - natural colour	42810/C0	42811/C0
	C - electrochemical colouring	42810/C..	42811/C..
	CI - interference colouring	42810/CI..	42811/CI..
Code			
Painting - polyester powder paints according to RAL pallet	43810	43811	
Net weight [kg]	109,3	124,1	
Approximate unit volume [m ³]*	0,55	0,70	
Concrete footing type	B-80		
Concrete footing code	311180		
Reinforcement basket type	Z-80		
Reinforcement basket code	311208		
Hot galvanized nut set	4014		
Base dimensions (side length/fixing hole spacing/thickness) [mm]	400 / 300 / 20		

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Acceptable column load

Acceptable luminaires and signs mass [kg]	50		
Middle distance luminaires center of gravity and signs from column axis [m]	3,5	3,3	
Acceptable windage of luminaires and signs [m ²] for C _x =1,2	I zone, III location category 22 m/s, (79,2 km/h)	1,60	2,30
	I and III zone, III location category For 450 m n.p.m. 24 m/s, (86,4 km/h)	1,40	2,00
	II zone, III location category 26 m/s, (93,6 km/h)	1,10	1,56
	III zone, III location category For 750 m n.p.m. 27,9 m/s, (100,6 km/h)	1,05	1,50

Specified luminaires must always be checked against published column wind zone loadings and location categories



SAL SYG 65-4 - 65-7



V. ALUMINIUM COLUMNS FOR TRAFFIC SIGNAL LIGHTS

Aluminium columns for traffic signal lights – gates

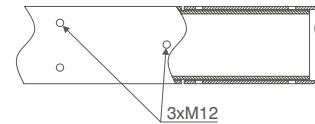
Column type	SAL SYG 8	SAL SYG 14		
Height H [m]	6,5			
Reach [m]	8,0	14,0		
Colour - - anodizing method	C0 - natural colour	Code	42830/C0	42831/C0
	C - electrochemical colouring		42830/C..	42831/C..
	CI - interference colouring		42830/CI..	42831/CI..
Painting - polyester powder paints according to RAL pallet	43830	43831		
Net weight [kg]	232,0	270,6		
Approximate unit volume [m ³]*	1,10	3,00		
Concrete footing type	B-80			
Concrete footing code	311180			
Reinforcement basket type	Z-80			
Reinforcement basket code	311208			
Hot galvanized nut set	4014			
Base dimensions (side length/fixing hole spacing/thickness) [mm]	400 / 300 / 20			

* For orders more than 10 pcs stated volume may change according to packing

Acceptable column load

Acceptable luminaires and signs mass [kg]	100		
Acceptable windage of luminaires and signs [m ²] for Cx=1,2	I zone III location category 22 m/s, (79,2 km/h)	5,60	4,40
	I and III zone, III location category For 450 m n.p.m. 24 m/s, (86,4 km/h)	5,20	3,80
	II zone, III location category 26 m/s, (93,6 km/h)	4,00	2,90
	III zone, III location category For 750 m n.p.m. 27,9 m/s, (100,6 km/h)	3,80	2,80

Specified luminaires must always be checked against published column wind zone loadings and location categories



Extension arms method
of connection

