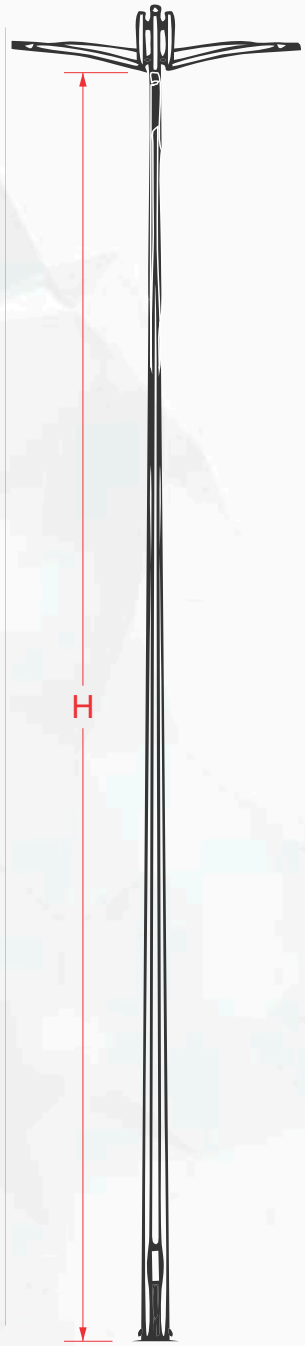
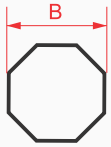
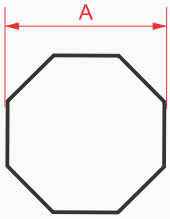
Steel Structures (poles)

Lighting Pole (Multi-face)

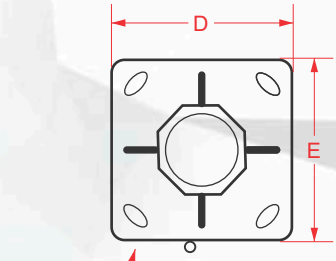




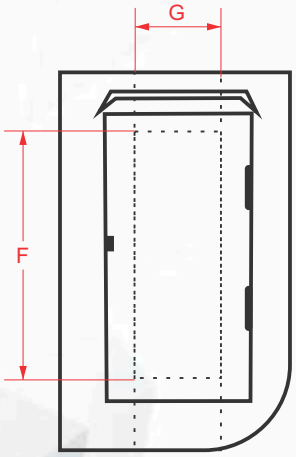
Top section



Bottom section



Base plate



Door detail

Standards	
Steel	DIN17100
Welding	EN 440 - DIN 8559 - AWS/ASM
Design and Construction	ASCE SEI 7-10, UBC 97, AASHTO, BS 5649 ASTM A36/A36M, ASTM A575, ASTM A576, ANSI C136.3 And the National Building Regulations part 6
Coating	ASTM A123/A123M, ASTM A153/A153M, FS TT-P-38, FS TT-P-645
Nuts and bolts	ISO 261 - ISO 262 - ISO 263
Pipes	DIN EN 10255(2440)- JIS G 3444 - BS 1387M - DIN 2349 - JIS G 3445 - BS 1387L

Multi-face lighting pole ST52 (S355JR) - Type A

Height of pole (m)	(H)	6	7	8	9	10	11	12	13	14	15
Top section (mm)	(B)	60	60	60	60	60	60	60	60	60	60
Bottom section (mm)	(A)	126	137	148	159	170	181	192	203	214	225
Number of pieces		1	1	1	1	1	1	1	1	1	2
Thickness of main body sheet (mm)		3	3	3	3	3	3	3	3	3	3
Base plate dimension (mm)	(D)	250	250	300	300	300	330	330	400	400	400
	(E)	250	250	300	300	300	330	330	400	400	400
	(C)	10	10	12	12	12	15	15	15	15	15
Access door dimension (mm)	(F)	200	200	200	200	200	250	250	250	300	300
	(G)	90	90	100	100	100	110	110	110	120	120
The resistance against wind speed km/h)		120	120	120	120	120	120	120	120	120	120

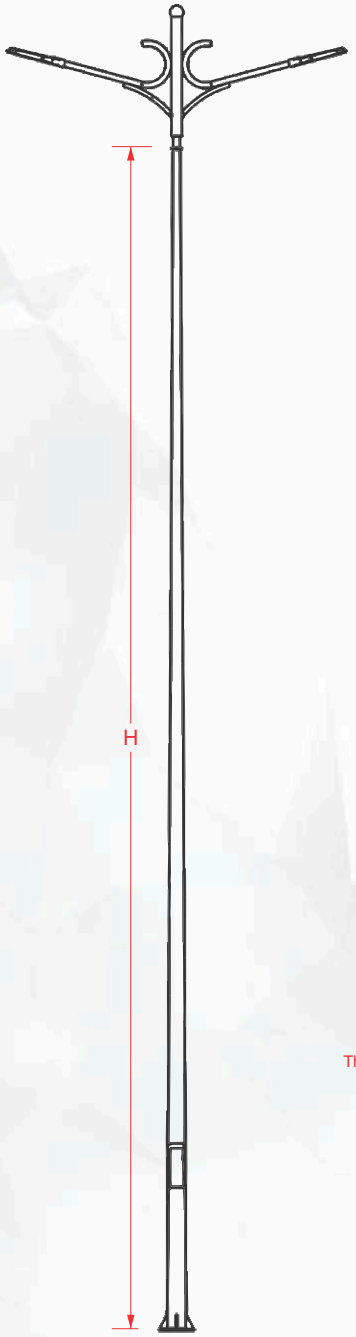
Multi-face lighting pole ST32 (S235JR) - Type B

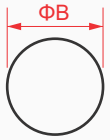
Height of pole (m)	(H)	6	7	8	9	10	11	12	13	14	15
Top section (mm)	(B)	60	60	60	60	60	60	60	60	60	60
Bottom section (mm)	(A)	140	150	165	175	190	205	215	229	242	255
Number of pieces		1	1	1	1	1	1	1	1	1	2
Thickness of main body sheet (mm)		3	3	3	3	3	3	3	3	3	3,4
Base plate dimension (mm)	(D)	250	250	300	300	300	330	330	400	400	400
	(E)	250	250	300	300	300	330	330	400	400	400
	(C)	10	10	12	12	12	15	15	15	15	15
Access door dimension (mm)	(F)	200	200	200	200	200	250	250	250	300	300
	(G)	90	90	100	100	100	110	110	110	120	120
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120	120	120

Multi-face lighting pole ST37 (S235JR) - Type C

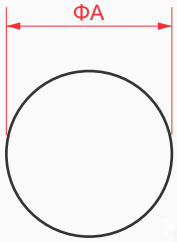
Height of pole (m)	(H)	6	7	8	9	10	11	12	13	14	15
Top section (mm)	(B)	85	90	90	90	95	95	95	120	120	120
Bottom section (mm)	(A)	150	190	190	190	215	215	215	250	250	250
Number of pieces		1	1	1	1	1	1	1	2	2	2
Thickness of main body sheet (mm)		3	3	3	3	3	3	3	3,4	3,4	3,4
Base plate dimension (mm)	(D)	300	330	330	330	400	400	400	500	500	500
	(E)	300	330	330	330	400	400	400	500	500	500
	(C)	10	12	12	12	15	15	15	15	15	15
Access door dimension (mm)	(F)	200	200	200	200	200	250	250	250	300	300
	(G)	90	90	100	100	100	110	110	110	120	120
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120	120	120

Conical Lighting Pole

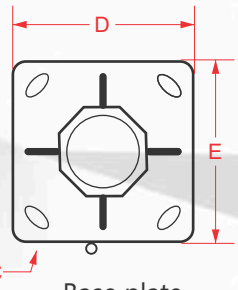




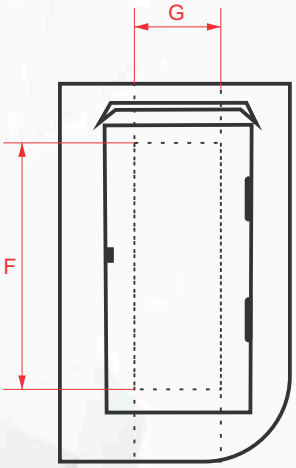
Top section



Bottom section



Base plate



Door detail

Standards	
Steel	DIN17100
Welding	EN 440 - DIN 8559 - AWS/ASM
Design and Construction	ASCE SEI 7-10, UBC 97, AASHTO, BS 5649 ASTM A36/A36M, ASTM A575, ASTM A576, ANSI C136.3 And the National Building Regulations part 6
Coating	ASTM A123/A123M, ASTM A153/A153M, FS TT-P-38, FS TT-P-645
Nuts and bolts	ISO 261 - ISO 262 - ISO 263
Pipes	DIN EN 10255(2440)- JIS G 3444 - BS 1387M - DIN 2349 - JIS G 3445 - BS 1387L

Conical lighting pole ST52 (S335JR) - Type A

Height of pole (m)	(H)	3	4	5	6	7	8	9	10	11	12	13	14
Top section (mm)	(B)	80	70	60	60	60	60	60	60	60	60	60	60
Bottom section (mm)	(A)	110	110	110	120	130	140	150	160	170	180	190	200
Number of pices		1	1	1	1	1	1	1	1	1	1	1	1
Thickness of main body sheet (mm)		3	3	3	3	3	3	3	3	3	3	3	3
Base plate dimension (mm)	(D)	250	250	250	250	250	300	300	300	330	330	400	400
	(E)	250	250	250	250	250	300	300	300	330	330	400	400
	(C)	10	10	10	10	10	12	12	12	15	15	15	15
Access door dimension (mm)	(F)	200	200	200	200	200	200	200	200	250	250	250	300
	(G)	90	90	90	90	90	100	100	100	110	110	110	120
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120	120	120	120	120

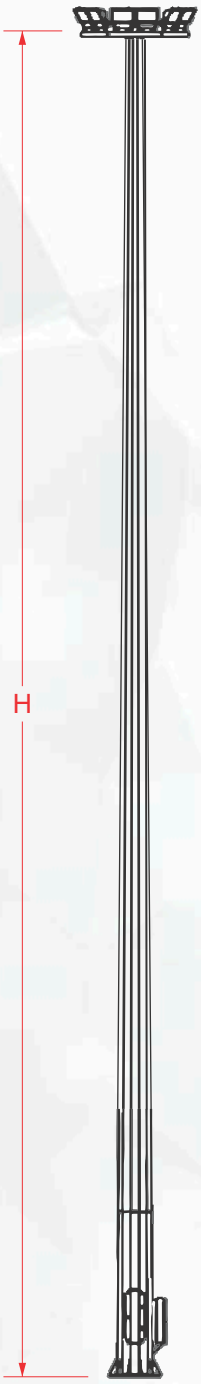
Conical lighting pole ST52 (S235JR) - Type B

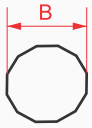
Height of pole (m)	(H)	3	4	5	6	7	8	9	10	11	12	13	14
Top section (mm)	(B)	80	70	60	60	60	80	80	100	90	80	70	60
Bottom section (mm)	(A)	110	110	110	120	130	130	160	170	200	200	200	200
Number of pices		1	1	1	1	1	1	1	1	1	1	1	1
Thickness of main body sheet (mm)		3	3	3	3	3	3	3	3	3	4	4	4
Base plate dimension (mm)	(D)	250	250	250	330	300	300	330	400	400	400	400	400
	(E)	250	250	250	300	300	300	330	400	400	400	400	400
	(C)	10	10	10	12	12	12	12	15	15	20	20	20
Access door dimension (mm)	(F)	200	200	200	200	200	200	200	200	250	250	250	300
	(G)	90	90	90	90	90	100	100	100	110	110	110	120
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120	120	120	120	120

Conical lighting pole ST37 (S235JR) - Type C

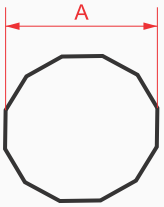
Height of pole (m)	(H)	3	3	4	5	6
Top section (mm)	(B)	60	60	60	60	60
Bottom section (mm)	(A)	130	90	100	110	120
Number of pices		1	1	1	1	1
Thickness of main body sheet (mm)		3	3	3	3	3
Base plate dimension (mm)	(D)	250	250	250	250	250
	(E)	250	250	250	250	250
	(C)	10	10	10	10	10
Access door dimension (mm)	(F)	200	200	200	200	200
	(G)	80	80	80	90	90
The resistance against wind speed (km/h)		120	120	120	120	120

Floodlight Tower (moving basket)

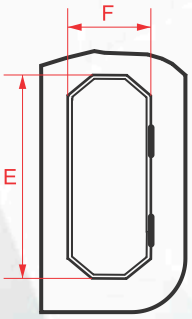




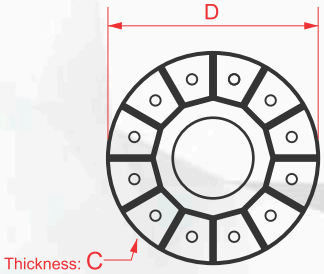
Top section



Bottom section



Door detail



Base plate

Standards	
Steel	DIN17100
Welding	EN 440 - DIN 8559 - AWS/ASM
Design and Construction	ASCE SEI 7-10, UBC 97, AASHTO, BS 5649 ASTM A36/A36M, ASTM A575, ASTM A576, ANSI C136.3 And the National Building Regulations part 6
Coating	ASTM A123/A123M, ASTM A153/A153M, FS TT-P-38, FS TT-P-645
Nuts and bolts	ISO 261 - ISO 262 - ISO 263
Pipes	DIN EN 10255(2440)- JIS G 3444 - BS 1387M - DIN 2349 - JIS G 3445 - BS 1387L

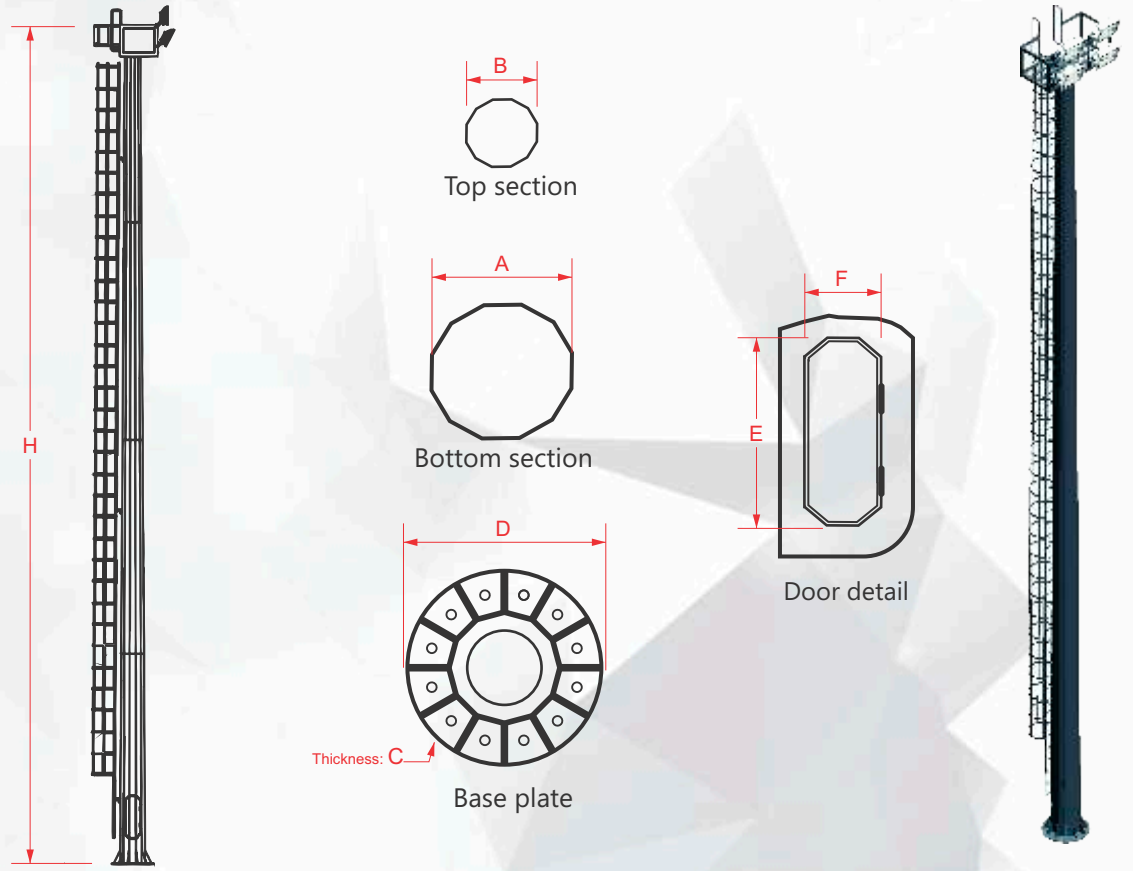
Floodlight Tower with moving basket and with the capacity to hold Max. 12 400-watt projectors ST37(S235JR) - Type A											
Height of pole (m)	(H)	15	16	17	18	19	20	21	22	23	24
Top section (mm)	(B)	180	180	180	180	180	180	180	180	180	180
Bottom section (mm)	(A)	360	360	360	360	370	380	390	400	410	420
Number of pieces		2	2	2	2	2	2	2	2	2	3
Thickness of main body sheet (mm)		4	4	4	4	4	4	4	4	4	4,5
Base plate dimension(mm)	(ØD)	625	625	625	625	625	625	625	625	625	700
	(C)	25	25	25	25	25	25	25	25	25	25
Access door dimension (mm)	(E)	600	600	600	600	400	600	600	600	600	600
	(F)	250	250	250	250	250	250	250	250	250	250
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120	120	120

Floodlight Tower with moving basket and with the capacity to hold Max. 24 400-watt projectors ST37(S235JR) - Type B								
Height of pole (m)	(H)	15	16	17	18	19	20	21
Top section (mm)	(B)	300	300	300	300	300	300	300
Bottom section (mm)	(A)	525	540	555	570	585	600	615
Number of pieces		2	2	2	2	2	2	2
Thickness of main body sheet (mm)		4,5	4,5	4,5	4,5	4,5	4,5	4,5
Base plate dimension (mm)	(ØD)	800	900	900	1000	1000	1000	1000
	(C)	25	25	25	30	30	30	30
Access door dimension (mm)	(E)	1000	1000	1000	1000	1000	1000	1000
	(F)	350	350	350	350	350	350	350
The resistance against wind speed (km/h)		120	120	120	120	120	120	120

Floodlight Tower with moving basket and with the capacity to hold Max. 24 400-watt projectors ST337(S235JR) - Type B									
Height of pole (m)	(H)	22	23	24	25	26	27	28	30
Top section (mm)	(B)	300	300	350	350	350	350	350	380
Bottom section (mm)	(A)	630	645	660	675	690	705	720	750
Number of pieces		2	2	3	3	3	3	3	3
Thickness of main body sheet (mm)		4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5
Base plate dimension (mm)	(ØD)	1000	1000	1000	1000	1000	1000	1100	1100
	(C)	30	30	30	30	30	30	30	30
Access door dimension (mm)	(E)	1000	1000	1000	1000	1000	1000	1000	1000
	(F)	350	350	350	350	350	350	350	350
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120

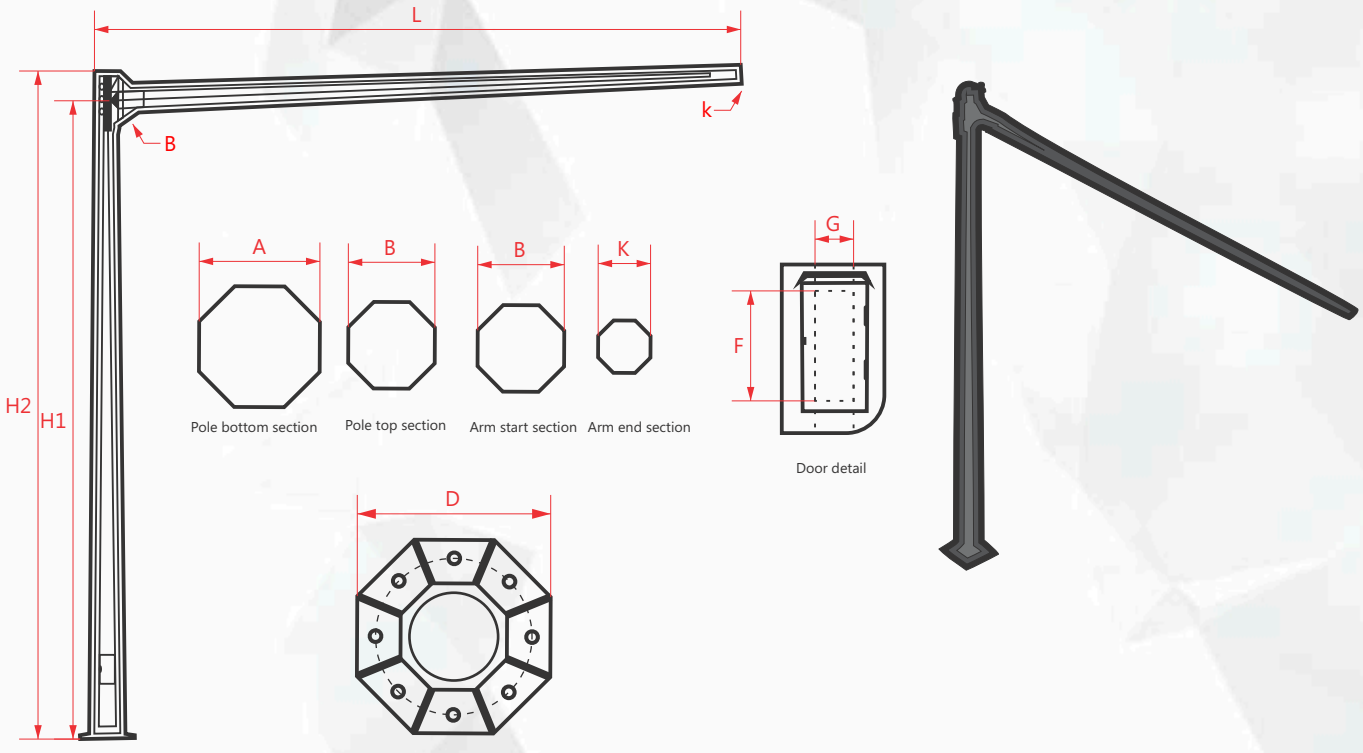
Floodlight Tower (Fixed basket)

Floodlight Tower with fixed basket											
Height of pole (m)	(H)	15	16	18	20	21	22	24	25	30	35
Top section (mm)	(B)	300	300	350	350	350	350	350	380	380	500
Bottom section (mm)	(A)	450	450	570	570	570	600	600	630	650	950
Number of pieces		2	2	2	2	2	2	3	3	3	4
Thickness of main body sheet (mm)		4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5,6	4,5,6	4,5,6
Base plate dimension (mm)	(ØD)	800	900	1000	1000	1000	1000	1000	1000	1100	1500
	(C)	25	25	30	30	30	30	30	30	30	30
Access door dimension (mm)	(E)	400	400	400	400	400	400	400	400	400	400
	(F)	250	250	250	250	250	250	250	250	250	250
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120	120	120



Standards	
Steel	DIN17100
Welding	EN 440 - DIN 8559 - AWS/ASM
Design and Construction	ASCE SEI 7-10, UBC 97, AASHTO, BS 5649 ASTM A36/A36M, ASTM A575, ASTM A576, ANSI C136.3 And the National Building Regulations part 6
Coating	ASTM A123/A123M, ASTM A153/A153M, FS TT-P-38, FS TT-P-645
Nuts and bolts	ISO 261 - ISO 262 - ISO 263
Pipes	DIN EN 10255(2440)- JIS G 3444 - BS 1387M - DIN 2349 - JIS G 3445 - BS 1387L

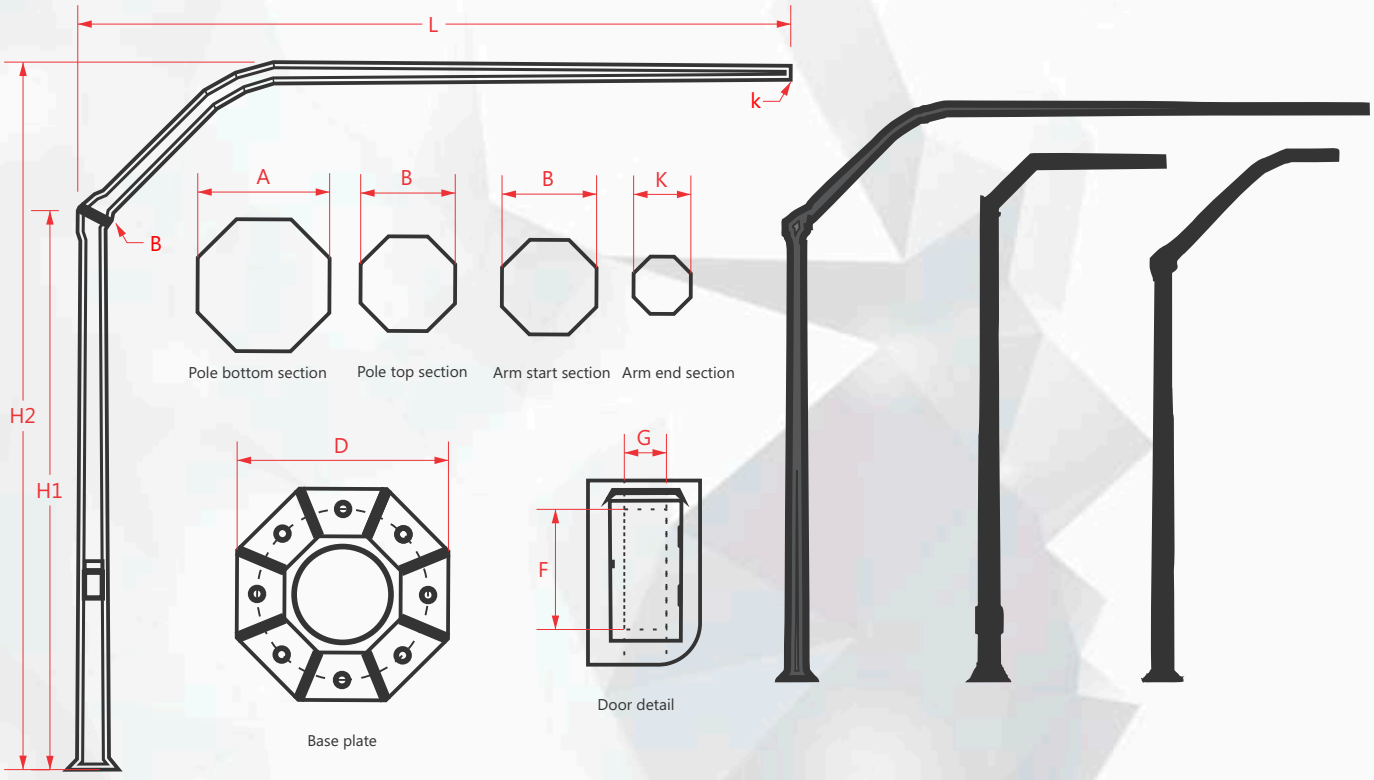
Traffic poles (Type A)					
Effective arm length (m)	(L)	6	9	12	15
Height of pole (m)	(H1)	6	6	6	6
Height of pole + Arm (m)	(H2)	6.3	6.3	6.3	6.3
Pole top section (mm)	(B)	150	150	150	150
Pole bottom section (mm)	(A)	300	300	300	300
Arm end section (mm)	(K)	100	100	100	100
Number of pieces		2	2	2	2
Base thickness (mm)		4	5	8	8
Arm thickness (mm)		3	4	5	5
Base plate dimension (mm)	(D) (E) (C)	500 500 20	500 500 20	500 500 30	500 500 30
Access door dimension (mm)	(F) (G)	250 110	250 110	250 110	250 110
The resistance against wind speed (km/h)		120	120	120	120



Standards	
Steel	DIN17100
Welding	EN 440 - DIN 8559 - AWS/ASM
Design and Construction	ASCE SEI 7-10, UBC 97, AASHTO, BS 5649 ASTM A36/A36M, ASTM A575, ASTM A576, ANSI C136.3 And the National Building Regulations part 6
Coating	ASTM A123/A123M, ASTM A153/A153M, FS TT-P-38, FS TT-P-645
Nuts and bolts	ISO 261 - ISO 262 - ISO 263
Pipes	DIN EN 10255(2440)- JIS G 3444 - BS 1387M - DIN 2349 - JIS G 3445 - BS 1387L

Traffic Poles (Type B)

Traffic Poles (Type B)										
Effective arm length (m)	(L)	2	2.5	3	3.5	4	4.5	5	5.5	6
Height of pole (m)	(H1)	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
Height of pole + Arm (m)	(H2)	6	6	6	6	6	6	6	6	6
Pole top section (mm)	(B)	180	180	180	180	180	180	180	180	180
Pole bottom section (mm)	(A)	255	255	255	255	255	255	255	255	255
Arm end section (mm)	(K)	110	110	110	110	110	110	110	110	110
Number of pieces		2	2	2	2	2	2	2	2	2
Base thickness (mm)		4	4	4	4	4	4	4	4	4
Arm thickness (mm)		3	3	3	3	3	3	3	3	3
Base plate dimension (mm)	(D)	450	450	450	450	450	450	450	450	450
	(E)	450	450	450	450	450	450	450	450	450
	(C)	15	15	15	15	15	15	15	15	15
Access door dimension (mm)	(F)	250	250	250	250	250	250	250	250	250
	(G)	110	110	110	110	110	110	110	110	110
The resistance against wind speed (km/h)		120	120	120	120	120	120	120	120	120



Standards	
Steel	DIN17100
Welding	EN 440 - DIN 8559 - AWS/ASM
Design and Construction	ASCE SEI 7-10, UBC 97, AASHTO, BS 5649 ASTM A36/A36M, ASTM A575, ASTM A576, ANSI C136.3 And the National Building Regulations part 6
Coating	ASTM A123/A123M, ASTM A153/A153M, FS TT-P-38, FS TT-P-645
Nuts and bolts	ISO 261 - ISO 262 - ISO 263
Pipes	DIN EN 10255(2440)- JIS G 3444 - BS 1387M - DIN 2349 - JIS G 3445 - BS 1387L

Specification	
Scope	All passages (Roads , Streets & Squares)
Height of pole	3 ~ 70 (m)
Section profile	Multi-face and circle
Coating	Color painting , Galvanizing or combination of two methods
Components coupling	Welding & bolts

Standards	
Steel	DIN17100
Welding	EN 440 - DIN 8559 - AWS/ASM
Design and Construction	ASCE SEI 7-10, UBC 97, AASHTO, BS 5649 ASTM A36/A36M, ASTM A575, ASTM A576, ANSI C136.3 And the National Building Regulations part 6
Coating	ASTM A123/A123M, ASTM A153/A153M, FS TT-P-38, FS TT-P-645
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Pipes	DIN EN 10255(2440)- JIS G 3444 - BS 1387M - DIN 2349 - JIS G 3445 - BS 1387L

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