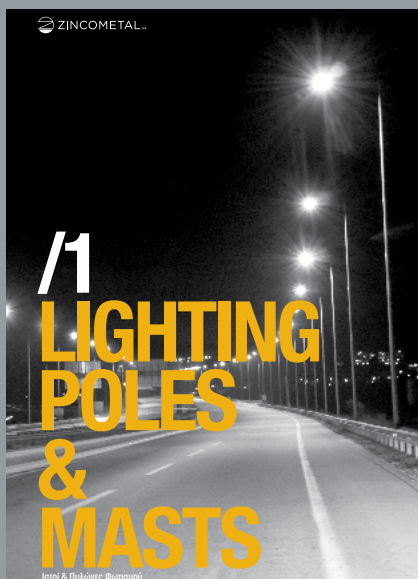


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[/ products / lighting poles & masts / sports & area lighting poles and masts](#)

PRODUCT NO:

DESCRIPTION:

IMAGE

12m-20m polygonal
cross-section



ZINCOMETAL S.A. is constantly developing and improving its products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. Regarding the validity of the International Standards it is considered always the oldest edition.

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1.2. Sports & Area Lighting Poles and Masts

1.2.1. Polygonal cross-section 12m-20m with or without base plate

Image 1

Lighting poles of polygonal cross-section with climbing and prevention system, with removable climbing rungs, with floodlighting platform and ZINLUX floodlights (Sports lighting in Germany).



Image 2

Sports lighting with climbing system, with floodlighting platform and ZINLUX floodlights.



Image 3

Lighting pole of polygonal cross-section with climbing and prevention system, with removable climbing rungs and ZINLUX floodlights (Sports lighting in France).



Image 4

Sports lighting poles of polygonal cross-section with floodlighting brackets and ZINLUX floodlights.

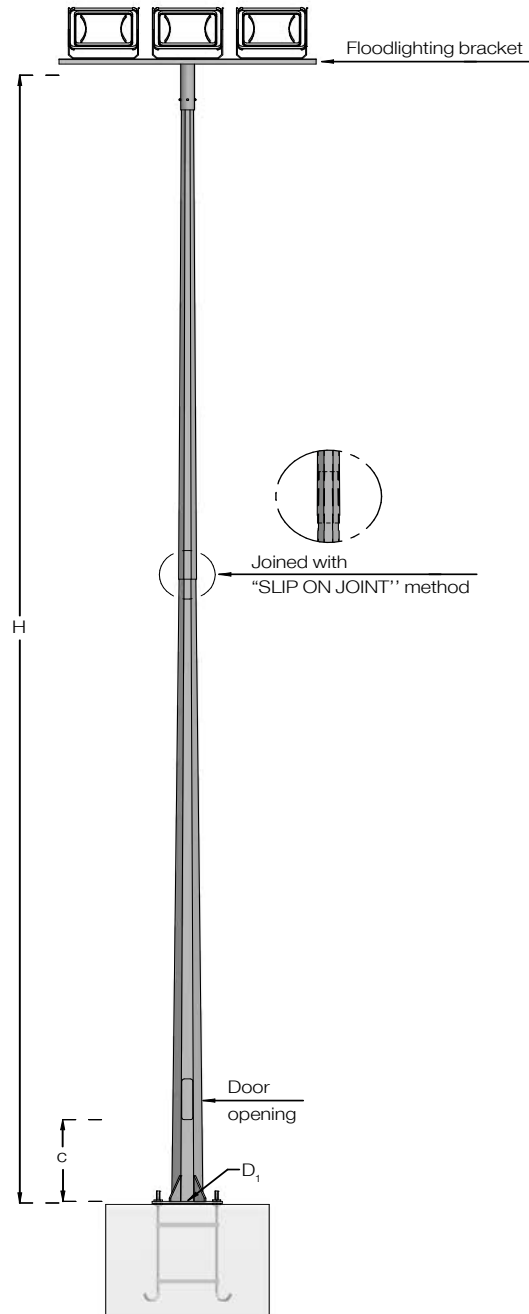
**Image 5**

Athletic fields - swimming pool lighting poles of polygonal cross-section with floodlighting brackets and ZINLUX floodlights.



Polygonal cross-section poles
12m-20m with base plate

Pole drawing model

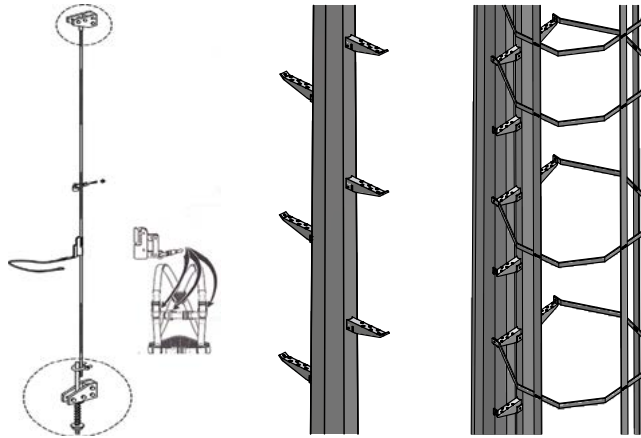


Material Hot rolled steel grade S235JR according to EN 10025.

Surface protection Hot-dip galvanized according to International Standard EN ISO 1461.

Manufacturing Polygonal conical steel pole is made from steel sheet bend in special machines on regular polygon profile with constant taper. Consisting from one (1) single piece for a pole height of up to 12.00m and more than one steel bodies of polygonal section for heights more than 12.00m. The pieces are joined with the SLIP ON JOINT method. The lighting pole is welded across with only one stitch (longitudinal welding) in automatic welding machines MIG. For a better static analysis there is a base plate with triangular gussets. Door opening is made from the body of the pole. It fits tightly and it's equipped with security lock with stainless screw. Manufacturing according to EN 40.

Climbing and fall protection systems
Indicative drawings



Climbing systems for maintenance access:

1. Complete climbing and fall prevention system.
It comprises steel cable and removable climbing rungs, a cable guide set, fastening mechanism, tensioning device, fall prevention device and body wear (body belt).
2. Fixed or removable climbing rungs without safety hoops.
3. Ladder with safety hoops.

Certifications CE Certificate of Notified European Body (EN 40, European Commission).

Attached information Headload capacity tables for sports and area lighting poles and masts (see Appendix B).

Note The technical data tables have been calculated based on a specific load and wind speed for each product. In case of new customer requirements new calculations must be done! The calculations have been done for ZINLUX floodlight with wind surface 0.30m².

Table of Polygonal cross-section poles

12m-20m with base plate

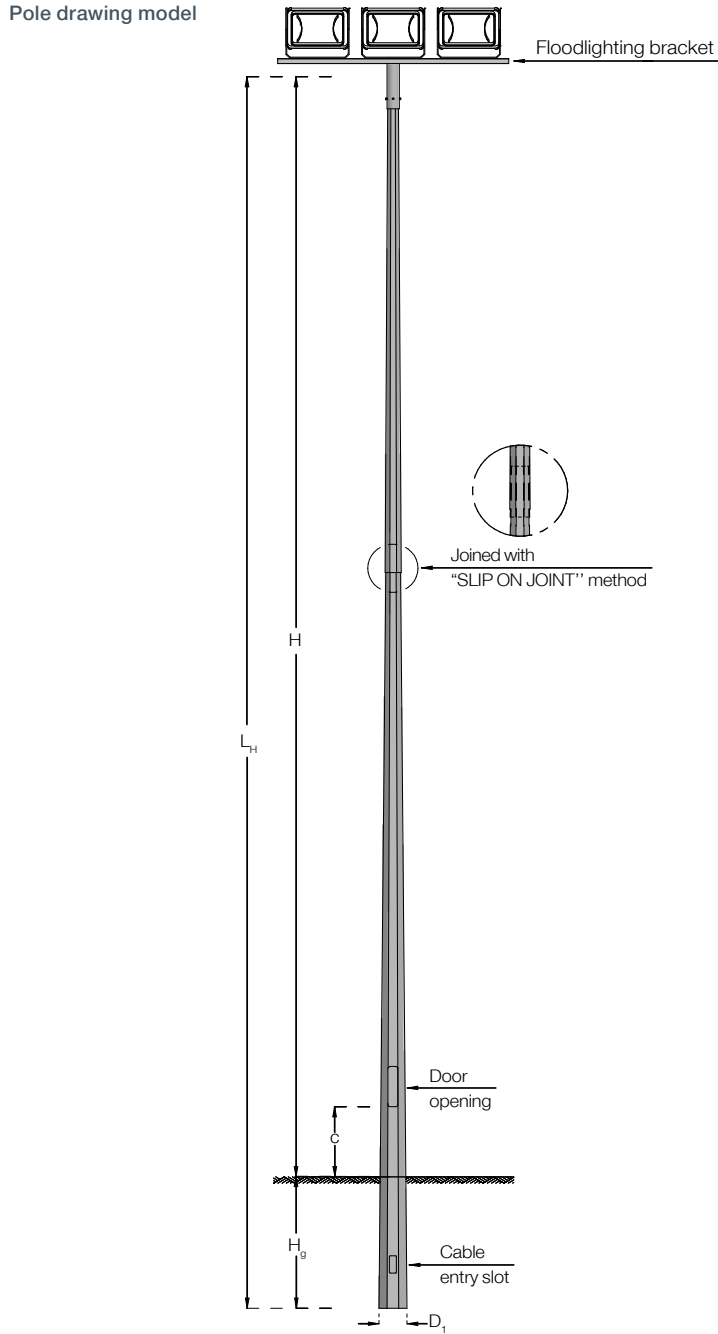
Table 1 of 2

									Anchor base		
Code	mm	mm	mm	mm	mm	sided	mm	kg	Code	mm	mm
KT412T	12000	4	Ø230	Ø90	400x400x20	8	300x90	194	BAG M24/75/Z/280	4xM24x750	280x280
KT512T		5						234			
KT412T1		4	Ø300	Ø108	500x500x20	12	300x140	290	BAG M27/75/Z/400/8	8xM27x750	400/200/400
KT512T1		5						350			
KT414T	14000	4-4	Ø260	Ø90	400x400x20	8	300x115	283	BAG M27/75/Z/280	4xM27x750	280x280
KT514T		5-5						336			
KT414T1		4-4	Ø300	Ø108	500x500x20	12	300x140	360	BAG M27/75/Z/400/8	8xM27x750	400/200/400
KT514T1		5-5						455			
KT414T2		4-4	Ø350	600x600x20	300x160	390	BAG M27/75/Z/500/8	500/250/500			
KT514T2		5-5				485					
KT415T	15000	4-4	Ø260	Ø90	400x400x20	8	300x115	313	BAG M27/100/Z/280	4xM27x1000	280x280
KT515T		5-5						350			
KT415T1		4-4	Ø300	Ø108	500x500x20	12	300x140	366	BAG M27/75/Z/400/8	8xM27x750	400/200/400
KT515T1		5-5						445			
KT415T2		4-4	Ø350	600x600x20	300x160	425	BAG M27/75/Z/500/8	500/250/500			
KT515T2		5-5				515					
KT416T	16000	4-4	Ø300	Ø90	500x500x20	8	300x140	375	BAG M27/75/Z/400	4xM27x750	400x400
KT516T		5-5						445	BAG M27/75/Z/400/8	8xM27x750	400/200/400
KT416T1		4-4	Ø350	Ø108	600x600x20	12	300x160	452	BAG M27/75/Z/500/8	8xM27x750	500/250/500
KT516T1		5-5						540		8xM27x750	
KT616T1		6-6						644		BAG M27/100/Z/500/8	

Table 2 of 2

									Anchor base		
Code	mm	mm	mm	mm	mm	sided	mm	kg	Code	mm	mm
KT418T	18000	4-4	Φ420	Φ108	670x670x20	12	300x190	575	BAG M27/100/Z/500/8	8xM27x1000	500/250/500
KT518T		5-5						698			
KT618T		6-6						825			
KT420T	20000	4-4	Φ430	Φ108	670x670x20	12	300x190	641	BAG M27/100/Z/500/8	8xM27x1000	500/250/500
KT520T		5-5						780			
KT620T		6-6						920			

Polygonal cross-section poles
12m-20m root mounted

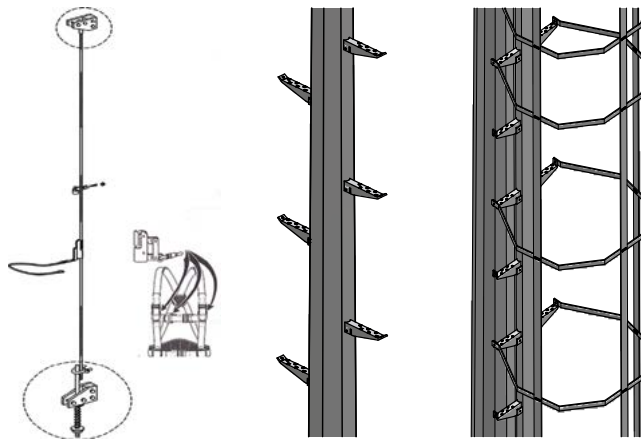


Material Hot rolled steel grade S235JR according to EN 10025.

Surface protection Hot-dip galvanized according to International Standard EN ISO 1461.

Manufacturing Polygonal conical steel pole is made from steel sheet bend in special machines on regular polygon profile with constant taper. Consisting from one (1) single piece for a pole height of up to 12.00m and more than one steel bodies of polygonal section for heights more than 12.00m. The pieces are joined with the SLIP ON JOINT method. The lighting pole is welded across with only one stitch (longitudinal welding) in automatic welding machines MIG. Door opening is made from the body of the pole. It fits tightly and it's equipped with security lock with stainless screw. It is provided with cable entry slot. Manufacturing according to EN 40.

Climbing and fall protection systems
Indicative drawings



Climbing systems for maintenance access:

1. Complete climbing and fall prevention system.
It comprises steel cable and removable climbing rungs, a cable guide set, fastening mechanism, tensioning device, fall prevention device and body wear (body belt).
2. Fixed or removable climbing rungs without safety hoops.
3. Ladder with safety hoops.

Certifications CE Certificate of Notified European Body (EN 40, European Commission).

Attached information Headload capacity tables for sports and area lighting poles and masts (see Appendix B).

Note The technical data tables have been calculated based on a specific load and wind speed for each product. In case of new customer requirements new calculations must be done! The calculations have been done for ZINLUX floodlight with wind surface 0.30m².

Table of Polygonal cross-section poles

12m-20m root mounted

Table 1 of 2



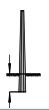





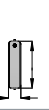













											
Code	mm	mm	mm	mm	mm	mm	mm	sided	mm	mm	kg
KT413	12800	11800	1000	4	Ø250	Ø90	1000	8	300x90	150x60	215
KT513				5							270
KT414	14000	13000	1000	4-4	Ø250	Ø90	1000	8	300x100	150x60	250
KT514				5-5							313
KT415	15000	14000	1000	4-4	Ø260	Ø90	1000	8	300x110	150x60	275
KT415/1					Ø300	Ø108		12	300x140	150x75	320
KT415/2					Ø350	Ø108		12	300x160		364
KT515				5-5	Ø260	Ø90		8	300x110	150x60	343
KT515/1					Ø300	Ø108		12	300x140	150x75	402
KT515/2					Ø350	Ø108		12	300x160		455
KT416	16000	15000	1000	4-4	Ø275	Ø90	1000	8	300x115	150x75	310
KT416/1					Ø360	Ø108		12	300x160		392
KT516				5-5	Ø275	Ø90		12	300x115		387
KT516/1					Ø360	Ø108		8	300x160		490
KT417	17500	16000	1500	4-4	Ø300	Ø90	1000	12	300x120	150x75	360
KT417/1					Ø380	Ø108		8	300x180		455
KT517				5-5	Ø300	Ø90		12	300x120		447
KT517/1					Ø380	Ø108		12	300x180		568
KT418/1	18500	17000	1500	4-4	Ø400	Ø108	1000	12	300x180	150x75	495
KT518/1				5-5							620
KT618/1				6-6							744

Table 2 of 2

											
Code	mm	mm	mm	mm	mm	mm	mm	sided	mm	mm	kg
KT420/1	19500	18000	1500	4-4	Ø420	Ø108	1000	12	300x200	150x75	548
KT520/1				5-5							685
KT620/1				6-6							820
KT421/1	21500	20000	1500	4-4	Ø430	Ø108	1000	12	300x200	150x75	625
KT521/1				5-5							780
KT621/1				6-6							935

Appendix B Sports & Area Lighting Poles and Masts headload capacity tables

Polygonal cross-section

12m-20m with or without base plate

Table
Polygonal cross-section
12m-20m with or without
base plate

Code	Zone I (36m/sec=129.6km/h)	Zone II (30m/sec=108km/h)
	Floodlights (2000W-0.30m ²)	Floodlights (2000W-0.30m ²)
	pcs	pcs
KT412T	2	3
KT512T	3	5
KT412T1	5	8
KT512T1	8	10
KT414T	2	4
KT514T	3	6
KT414T1	3	5
KT514T1	5	7
KT414T2	5	7
KT514T2	7	11
KT415T	1	3
KT515T	2	5
KT415T1	3	5
KT515T1	5	7
KT415T2	4	7
KT515T2	6	10
KT416T	1	3
KT516T	3	7
KT416T1	3	6
KT516T1	6	9
KT616T1	8	12
KT418T	4	7
KT518T	6	10
KT618T	9	13
KT420T	3	6
KT520T	6	9
KT620T	9	13

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