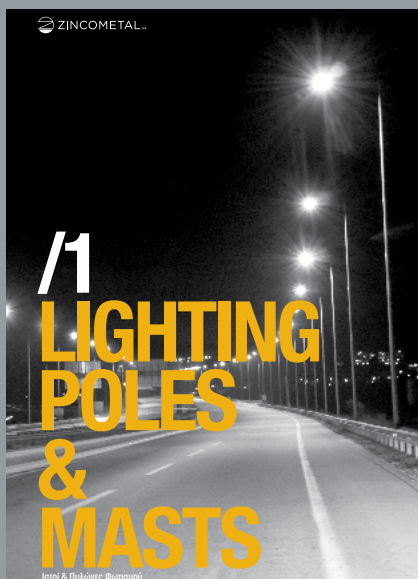


PRINTED CATALOGUE



WEBSITE LINK

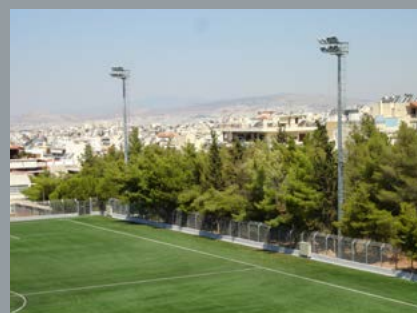
[/ products / lighting poles & masts / sports & area lighting poles and masts](#)

PRODUCT NO:

DESCRIPTION:

IMAGE

fixed masts up to 35m



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.

Stay tuned with the company by signing up in ZINCOMETAL's Newsletter (www.zincometal.gr) and Social Media.

Polygonal cross-section

Fixed Masts up to 35m

Image 1

Fixed masts of polygonal cross-section with external ladder with safety hoops, with floodlighting platform and ZINLUX floodlights.



Image 2

Fixed masts for sports / stadium lighting.



Image 3

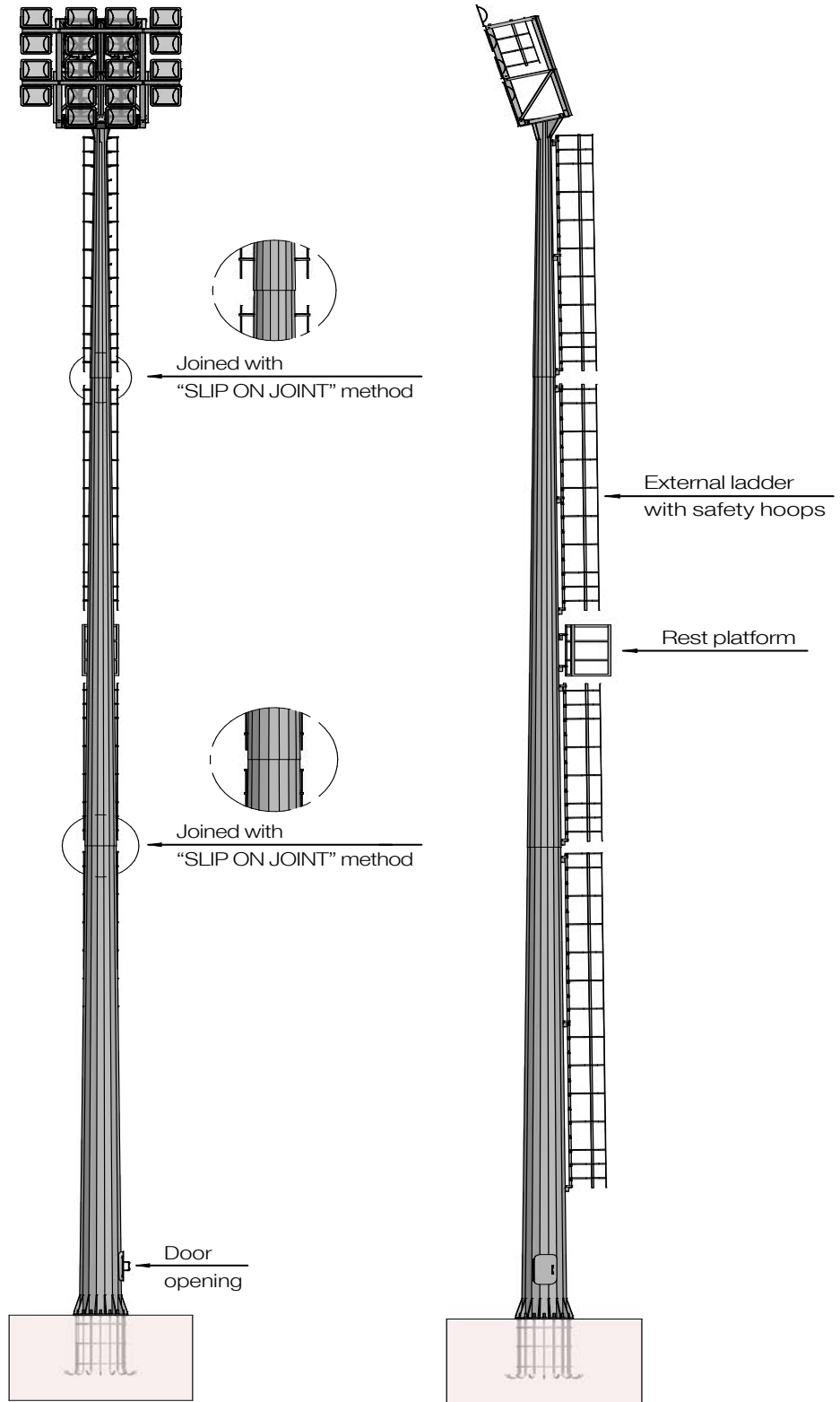
Fixed masts of polygonal cross-section with external ladder with safety hoops and rest platform, with floodlighting platform and ZINLUX floodlights.

**Image 4**

Fixed masts for sports / stadium lighting.



Mast drawing model



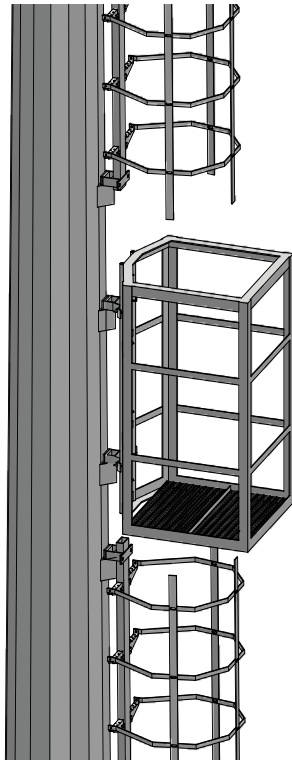
Material Hot rolled steel of grade S355JR according to EN 10025.

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 hexadecagon profile (16 sided) 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. It is provided with door opening. The Masts are designed and manufactured up to 35m height according to EN 40 and Eurocodes 1 and 3.

Maintenance access

Indicative drawing
of external ladder with safety
hoops and rest platform.



It comprises:

1. External ladder with safety hoops.
2. Rest platform with dimensions 1000x800x1100mm (optional).
3. Platform onto which floodlights can be mounted.

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 Masts

Fixed Masts up to 35m

										
								Anchor base		
Code	mm	mm	mm	mm	mm	sided	kg	Code	mm	mm
KP416T1	16000	4-4	Ø340	Ø140	Ø560x20	16	650	BAG M27/100/Z/Ø450/8	8xM27x1000	Ø450
KP416T2			Ø420	Ø140	Ø670x20		730	BAG M27/100/Z/Ø560/8		Ø560
KP416T3			Ø460	Ø160			780			
KP418T1	18000	4-4	Ø400	Ø160	Ø670x20	16	836	BAG M27/100/Z/Ø560/8	8xM27x1000	Ø560
KP418T2			Ø460	Ø160			890			
KP418T3			Ø500	Ø160	Ø750x20		980	BAG M30/100/Z/Ø620/8		
KP518T4		5-5	Ø500	Ø160			1140			
KP420T1	20000	4-4	Ø430	Ø190	Ø670x25	16	930	BAG M27/100/Z/Ø560/16	16xM27x1000	Ø560
KP520T1		5-5	Ø520	Ø190	Ø750x25		1100	BAG M27/100/Z/Ø620/16		Ø620
KP520T2			Ø580	Ø190	Ø850x25		1200	BAG M27/100/Z/Ø760/16		Ø760
KP520T3			Ø680	Ø240			1365			
KP625T1	25000	6-6-5	Ø580	Ø200	Ø850x25	16	1810	BAG M27/100/Z/Ø760/16	16xM27x1000	Ø760
KP625T2			Ø650	Ø200			1900			
KP625T3			Ø690	Ø240	Ø900x30		2260	BAG M30/100/Z/Ø840/16		
KP625T4		6-6-6	Ø730	Ø200	Ø900x30		2370			
KP625T5			Ø860	Ø225	Ø1040x30		2490	BAG M33/100/Z/Ø940/16	16xM33x1000	Ø940
KP630T1	30000	6-6-6	Ø710	Ø240	Ø900x30	16	2700	BAG M30/100/Z/Ø840/16	16xM30x1000	Ø840
KP630T2			Ø820	Ø240	Ø1040x30		3100	BAG M33/100/Z/Ø940/16	16xM33x1000	Ø940
KP630T3			Ø930	Ø220	Ø1200x30		3100	BAG M33/100/Z/Ø1070/16		Ø1070
KP630T4	30000	6-6-6	Ø1000	Ø270	Ø1250x30		3800	BAG M33/100/Z/Ø1120/16		Ø1120
KP635T1	35000	6-6-6	Ø930	Ø220	Ø1250x30	16	4400	BAG M36/150/Z/Ø1120/16	16xM36x1500	Ø1120
KP635T2			Ø1000	Ø270	Ø1400x30		4850	BAG M36/150/Z/Ø1200/16		Ø1200
KP635T3			Ø1100	Ø270	Ø1400x30		5150	BAG M36/150/Z/Ø1200/16		Ø1200
KP835T4		8-8-8	Ø1150	Ø300	Ø1500x30		5500	BAG M36/150/Z/Ø1300/16		Ø1300

Polygonal cross-section

Fixed Masts up to 35m

Table
Polygonal cross-section
Fixed Masts up to 35m

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
KP416T1	4	8
KP416T2	8	12
KP416T3	9	14
KP418T1	5	8
KP418T2	7	10
KP418T3	9	14
KP518T4	12	18
KP420T1	2	4
KP520T1	6	9
KP520T2	7	12
KP520T3	10	16
KP625T1	6	10
KP625T2	8	13
KP625T3	11	18
KP625T4	12	20
KP625T5	18	25
KP630T1	6	10
KP630T2	9	12
KP630T3	12	22
KP630T4	16	25
KP635T1	8	10
KP635T2	12	15
KP635T3	15	20
KP835T4	35	40

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The logo for ZIN lux lighting, featuring a stylized light fixture icon above the text "zin lux lighting".

zin
lux
lighting

The logo for hellenic griglia, featuring a stylized grid icon above the text "hellenic griglia".

hellenic griglia