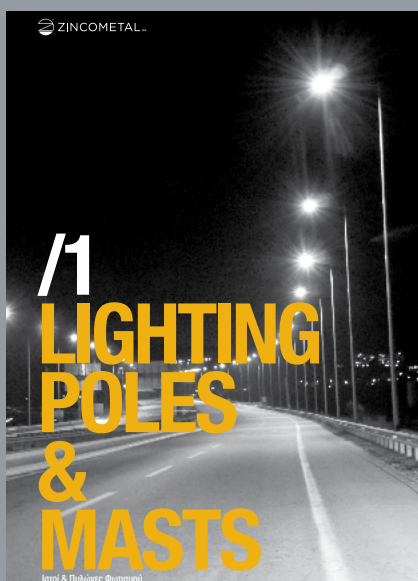


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[/ products / lighting poles & masts / sports & area lighting poles and masts](#)

PRODUCT NO:

DESCRIPTION:

IMAGE

HIGH MAST
with mobile crown



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.

1.2.3. HIGH MAST with mobile crown

Image 1
HIGH MAST's headframe
movement.



Image 2

HIGH MAST's with mobile crown, hot-dip galvanized, in combination with ZINLUX floodlights.

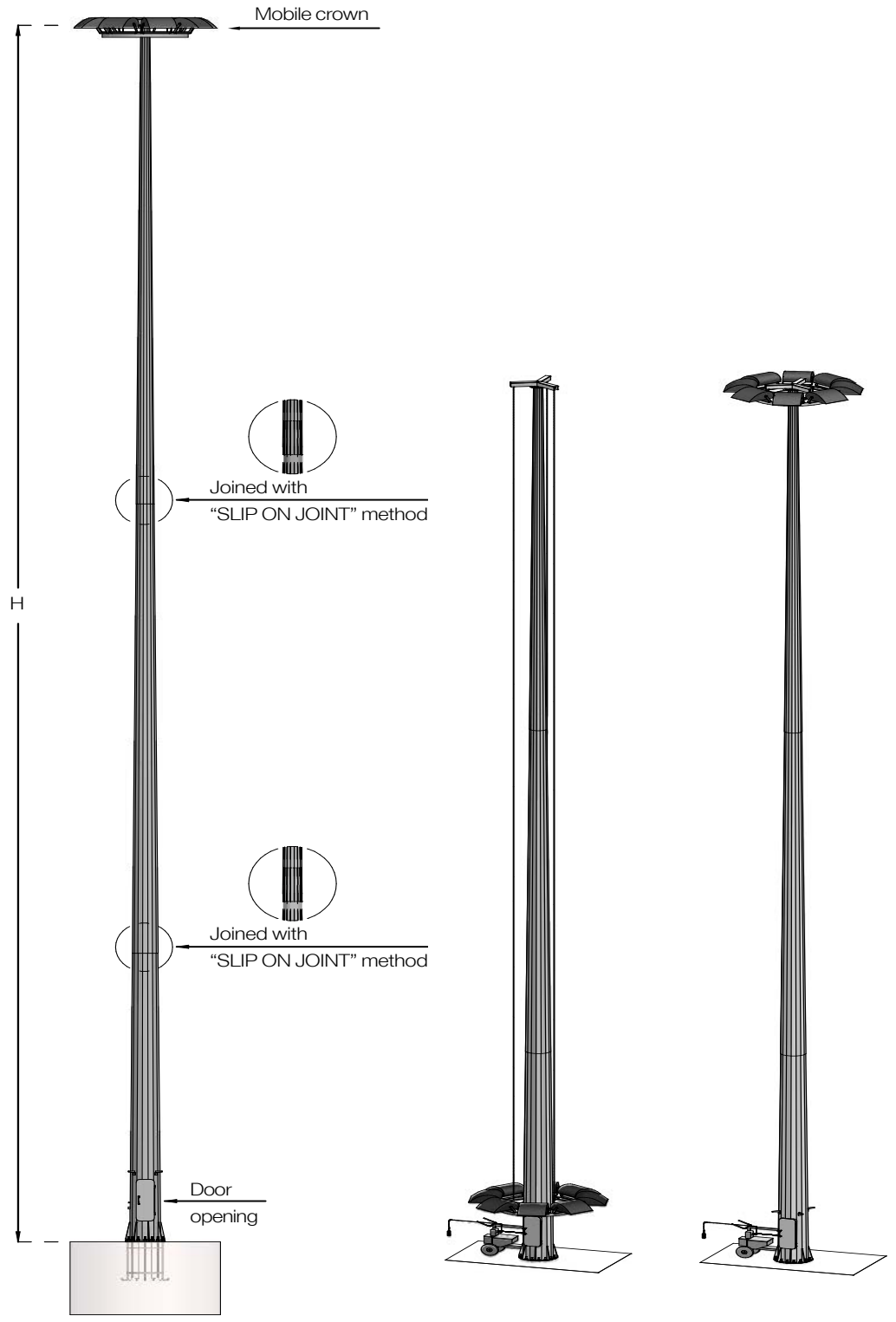
**Image 3**

HIGH MAST's with mobile crown, hot-dip galvanized, in combination with ZINLUX floodlights.



HIGH MAST drawing model

Mobile crown movement
by means of a vertical raising
and lowering device.



Material Hot rolled steel grade S355JR according to EN 10025.

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

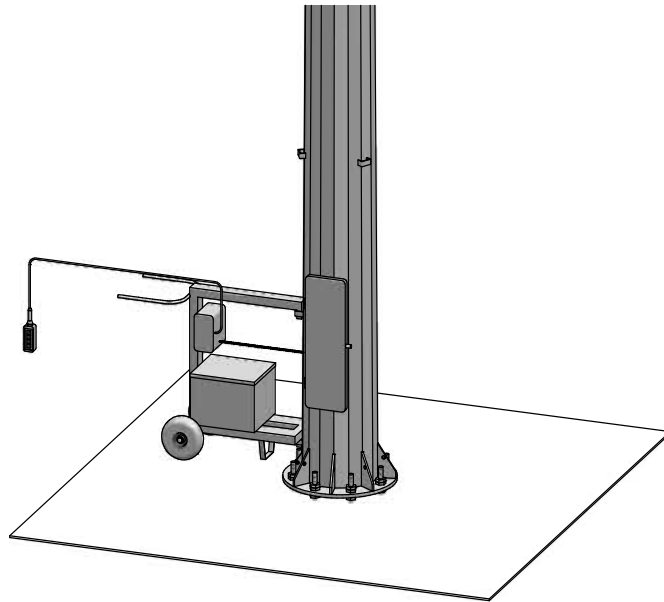
Manufacturing Polygonal conical steel pole is made from steel sheet bend in special machines on regular polygon profile with constant taper. Consisting from one (1) single piece for a pole height of up to 12.00m and more than one steel bodies of polygonal section for heights more than 12.00m. The pieces 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.

In operational phase, the headframe is locked to the fixed part by latching hooks. The headframe can be lowered to the ground level suspended by steel cables for easy and faster installation or maintenance of floodlights.

The masts are designed and manufactured up to 35m height according to EN 40 and Eurocodes 1 and 3.

Movement system

Indicative drawing



Benefits Easy access for maintenance which can be carried out at ground level without any lifting device.

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 up to 2000W with wind surface 0.15m².

Table of HIGH MAST with mobile crown

								Anchor base		
Code	mm	mm	mm	mm	mm	sided	kg	Code	mm	mm
KK 415/1	15000	4-4	350	180	Ø560x20	16	580	BAG M27/100/Z/Ø450/8	8xM27x1000	Ø450
KK 418/1	18000		380				660			
KK 420	20000	4-4	380	180	Ø670x20	16	800	BAG M27/100/Z/Ø560/8	8xM27x1000	Ø560
KK 420/1			450				200	Ø850x20	970	
KK 420/2			550	1080	BAG M27/120/Z/Ø760/8				8xM27x1200	Ø760
KK 420/3			610	1150	BAG M30/120/Z/Ø760/8		8xM30x1200			
KK 425/1	25000	4-4-4	550	200	Ø850x20	16	1300	BAG M27/100/Z/Ø760/16	16xM27x1000	Ø760
KK 425/2			650				1150			
KK 525/1		5-5-4	650	1400	BAG M27/120/Z/Ø760/16		16xM27x1200			
KK 425/3		4-4-4	680	220	Ø900x20		1280	BAG M27/100/Z/Ø840/16	16xM27x1000	Ø840
KK 525/2			5-5-4				680	1540		
KK 425/4		4-4-4	720	240	Ø900x30		1620	BAG M30/120/Z/Ø840/16	16xM30x1200	
KK 525/3		5-5-4	720				1890			
KK 530/1	30000	5-5-4	660	200	Ø850x30	16	2200	BAG M30/120/Z/Ø760/16	16xM30x1200	Ø760
KK 630/1		6-5-5					2500	BAG M30/150/Z/Ø760/16	16xM30x1500	
KK 530/2		5-5-4	710	230	Ø900x30		2360	BAG M30/120/Z/Ø840/16	16xM30x1200	Ø840
KK 630/2		6-6-5					2660	BAG M33/150/Z/Ø840/16	16xM33x1500	
KK 530/3		5-5-4	740	Ø940x30	2260		BAG M30/150/Z/Ø840/16	16xM30x1500		
KK 530/4		5-5-4	820	Ø1040x30	2370		BAG M33/150/Z/Ø940/16	16xM33x1500	Ø940	
KK 630/3		6-5-5	740	Ø940x30	2750		BAG M33/150/Z/Ø840/16	16xM33x1500	Ø840	
KK 535/1	35000	5-5-5	750	240	Ø940x30	16	2540	BAG M30/150/Z/Ø840/16	16xM30x1000	Ø840
KK 535/2			800				Ø1040x30	2900	BAG M33/150/Z/Ø940/16	16xM33x1500
KK 535/3			840		Ø1200x30			3300		
KK 535/4			910				3600	BAG M33/150/Z/Ø1070/16	Ø1070	
KK 635/1		6-5-5	910	300	Ø1250x30		3180	BAG M33/180/Z/Ø1070/16		16xM33x1800
KK 635/2			960				3420	BAG M36/150/Z/Ø1120/16	16xM36x1500	Ø1120

HIGH MAST with mobile crown

Table
HIGH MAST
with mobile crown

Code	Zone I (36m/sec=129.6km/h)	Zone II (30m/sec=108km/h)
	Floodlights (2000W-0.15m ²)	Floodlights (2000W-0.15m ²)
	PCS	PCS
KK 415/1	6	10
KK 418/1	6	12
KK 420	-	4
KK 420/1	4	8
KK 420/2	8	16
KK 420/3	14	20
KK 425/1	-	8
KK 425/2	6	12
KK 525/1	12	22
KK 425/3	8	16
KK 525/2	16	24
KK 425/4	10	20
KK 525/3	20	30
KK 530/1	6	12
KK 630/1	12	24
KK 530/2	8	16
KK 630/2	16	30
KK 530/3	10	20
KK 530/4	-	-
KK 630/3	-	-
KK 535/1	-	8
KK 535/2	4	12
KK 535/3	6	16
KK 535/4	10	20
KK 635/1	16	30
KK 635/2	-	-

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