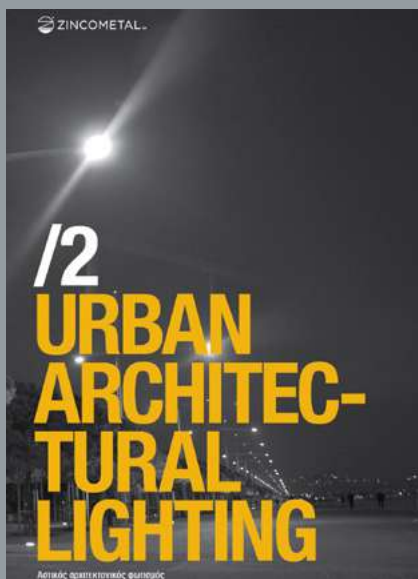


PRINTED CATALOGUE



WEBSITE LINK

[/ products / lighting poles & masts / architectural lighting poles](#)

PRODUCT NO:

DESCRIPTION:

IMAGE



CITY Collection



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](http://www.zincometal.gr)) and Social Media.

## 1.0. Decorative Steel Lighting Poles

**Introduction** Decorative steel lighting poles are separated into a range of categories according to their type of cross-section, decorative bases and their accessories, which are adjusted to suitable brackets in order to bring in the desirable aesthetic result.

These categories consist of:

- ARMONIA Collection is composed of decorative conical steel lighting poles of circular cross-section. If it is necessary, decorative brackets are fit.
- SANTA Collection is composed of decorative straight steel poles of circular cross-section and decorative scissile die-cast aluminium base.
- PLAZA Collection is composed of decorative straight, stepped or striped lighting poles of square cross-section.
- CRETA Collection is a combination of steel round conical and straight cylindrical shafts with decorative die-cast aluminium or cast-iron connectors and accessories.
- CITY Collection is a combination of stepped steel lighting poles of circular cross-section and decorative die-cast aluminium or cast-iron connectors and accessories.
- RUSTIC Collection includes conical, straight and stepped poles with stripped surface of circular cross-section, decorative cast-iron base and accessories.
- IDEA Collection includes conical poles of circular cross-section in curved or bent forms, cylindrical poles with special alteration of the section or to adjust especially designed decorative accessories in order to provide a distinguishable architectural style.



## 1.5. CITY Collection

### Image 1

Decorative steel stepped lighting pole ZINLUX CITY Series AL-C of circular cross-section with a decorative bracket from the CITY Collection in combination with a suspended luminaire ZINLUX PIROFANI and with decorative die-cast aluminium rings.



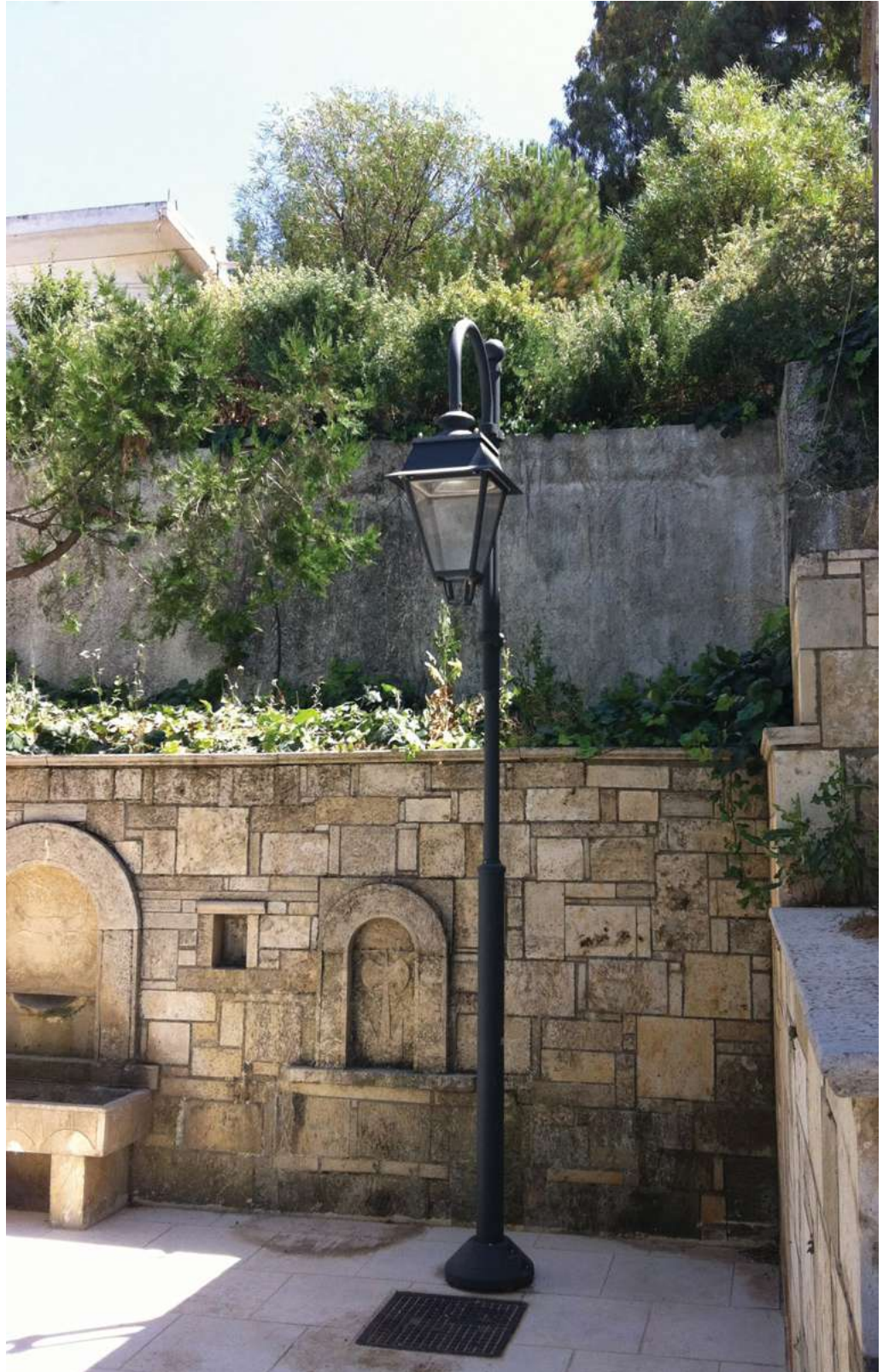
**Image 2**

Decorative steel stepped lighting pole ZINLUX CITY Series AL-E of circular cross-section with a decorative bracket from the CITY Collection (BDK 42/500) in combination with a suspended luminaire ZINLUX PIROFANI and with decorative cast-iron rings.



**Image 3**

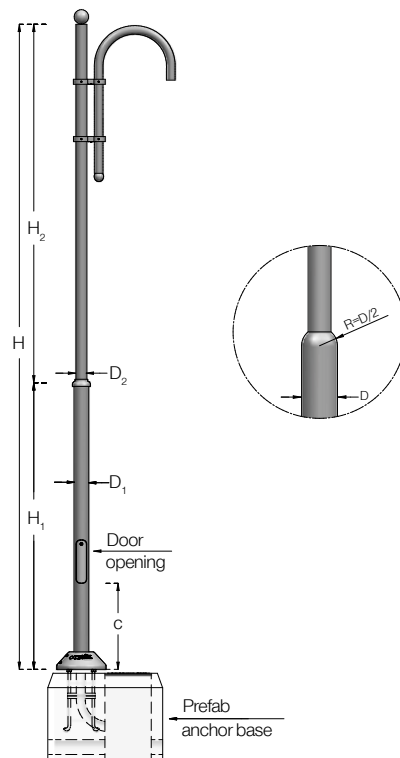
Decorative steel stepped lighting pole ZINLUX CITY Series AL-1 of circular cross-section with a decorative bracket from the CITY Collection (BMK 42/500) in combination with a suspended luminaire ZINLUX CORONA T-780 and with decorative die-cast aluminium rings.



## ZINLUX CITY Series AL-1

**Pole drawing model**

Decorative steel lighting pole ZINLUX CITY from AL-1 range with an indicative bracket from CITY Collection (BMK 42/500) in combination with decorative die-cast aluminium rings and intermediate accessory.



**Introduction** Decorative steel stepped lighting pole ZINLUX CITY Series AL-1 of circular cross-section with base plate and a decorative die-cast aluminium scissile base type "B-S/AL-330".

**Material** Steel tube from hot rolled steel grade S235JR according to EN10025 manufactured to EN 10219.

**Surface protection** Hot-dip galvanized according to International Standard EN ISO 1461 and electrostatic powder coating surface finish (Duplex System).

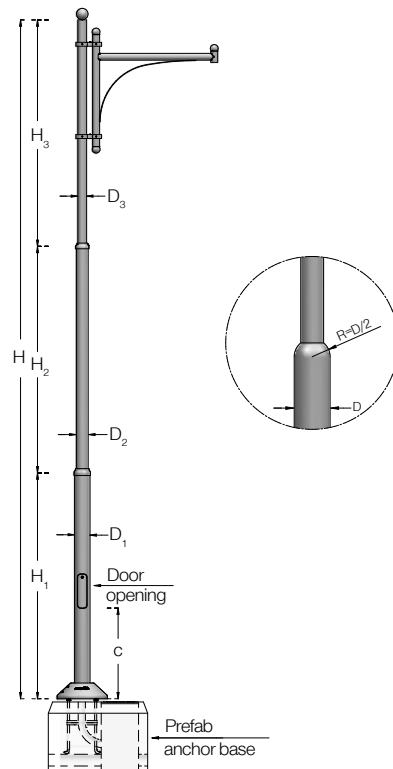
**Technical features** The lighting poles are consisted from two (2) tubes with different diameters which are penetrated at 0.10m inside the tube with the bigger diameter. For a better aesthetic result the tubes are welded in the joint parts with a modern-engineering way in which we have  $R=D/2$ . A decorative die-cast aluminium intermediate accessory is used to reassure an elegant architectural result. On pole's base a circular base plate is welded to fit tightly on pole's die-cast aluminium scissile base type "B-S/AL-330". Door opening is made from the body of the pole through special saw machine (IP54 and IK10). It fits tightly and it's equipped with security lock. Manufacturing according to EN-40.

**Certificates** CE Certificate of Notified European Body (EN-40, European Commission).

## ZINLUX CITY Series AL-2

**Pole drawing model**

Decorative steel lighting pole ZINLUX CITY from AL-2 range with an indicative bracket from CITY Collection (BM-GA 1000) in combination with decorative die-cast aluminium rings and intermediate accessories.



**Introduction** Decorative steel stepped lighting pole ZINLUX CITY Series AL-2 of circular cross-section with base plate and a decorative die-cast aluminium scissile base type "B-S/AL-420".

**Material** Steel tube from hot rolled steel grade S235JR according to EN10025 manufactured to EN 10219.

**Surface protection** Hot-dip galvanized according to International Standard EN ISO 1461 and electrostatic powder coating surface finish (Duplex System).

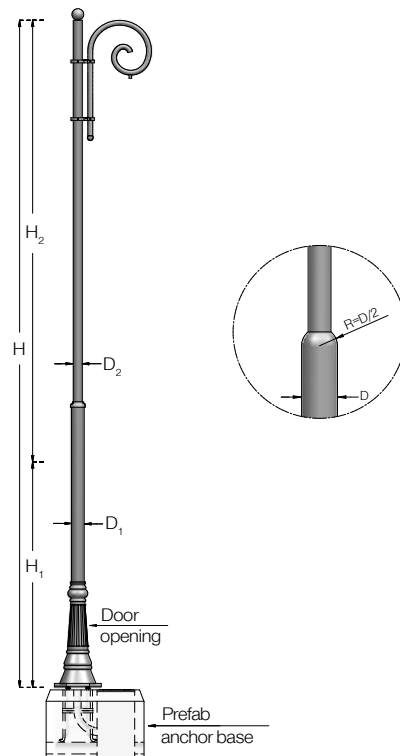
**Technical features** The lighting poles are consisted from three (3) tubes with different diameters which are penetrated at 0.10m inside the tube with the bigger diameter. For a better aesthetic result the tubes are welded in the joint parts with a modern-engineering way in which we have  $R=D/2$ . A decorative die-cast aluminium intermediate accessory is used to reassure an elegant architectural result. On pole's base a circular base plate is welded to fit tightly on pole's die-cast aluminium scissile base type "B-S/AL-420". Door opening is made from the body of the pole through special saw machine (IP54 and IK10). It fits tightly and it's equipped with security lock. Manufacturing according to EN-40.

**Certificates** CE Certificate of Notified European Body (EN-40, European Commission).

## ZINLUX CITY Series AL-E

**Pole drawing model**

Decorative steel lighting pole ZINLUX CITY from AL-E range with an indicative bracket from CITY Collection (BMK-ER 42/500) in combination with decorative die-cast aluminium rings and intermediate accessory.



**Introduction** Decorative steel stepped lighting pole ZINLUX CITY Series AL-E of circular cross-section with base plate and a decorative die-cast aluminium base type "E".

**Material** Steel tube from hot rolled steel grade S235JR according to EN10025 manufactured to EN 10219.

**Surface protection** Hot-dip galvanized according to International Standard EN ISO 1461 and electrostatic powder coating surface finish (Duplex System).

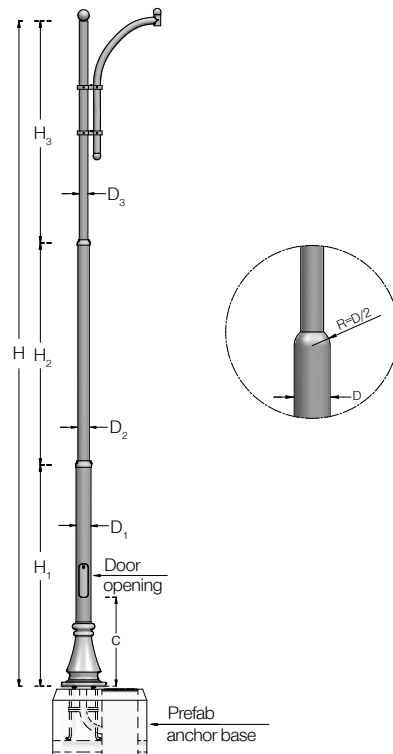
**Technical features** The lighting poles are consisted from two (2) tubes with different diameters which are penetrated at 0.10m inside the tube with the bigger diameter. For a better aesthetic result the tubes are welded in the joint parts with a modern-engineering way in which we have  $R=D/2$ . A decorative die-cast aluminium intermediate accessory is used to reassure an elegant architectural result. On pole's base a circular base plate is welded to fit tightly on pole's die-cast aluminium base type "E". For the installation and the connection of the junction box there is door opening from the body of the base which fits tightly. Manufacturing according to EN-40.

**Certificates** CE Certificate of Notified European Body (EN-40, European Commission).

## ZINLUX CITY Series AL-C

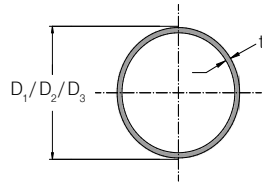
**Pole drawing model**

Decorative steel lighting pole ZINLUX CITY from AL-C range with an indicative bracket from CITY Collection (BMK-CM 42/500) in combination with decorative die-cast aluminium rings and intermediate accessories.



- Introduction** Decorative steel stepped lighting pole ZINLUX CITY Series AL-C of circular cross-section with base plate and a decorative die-cast aluminium base type "C".
- Material** Steel tube from hot rolled steel grade S235JR according to EN10025 manufactured to EN 10219.
- Surface protection** Hot-dip galvanized according to International Standard EN ISO 1461 and electrostatic powder coating surface finish (Duplex System).
- Technical features** The lighting poles are consisted from two (2) or three (3) tubes with different diameters which are penetrated at 0.10m inside the tube with the bigger diameter. For a better aesthetic result the tubes are welded in the joint parts with a modern-engineering way in which we have  $R=D/2$ . A decorative die-cast aluminium intermediate accessory is used to reassure an elegant architectural result. On pole's base a circular base plate is welded to fit tightly on pole's die-cast aluminium base type "C". Door opening is made from the body of the pole through special saw machine (IP54 and IK10). It fits tightly and it's equipped with security lock. Manufacturing according to EN-40.
- Certificates** CE Certificate of Notified European Body (EN-40, European Commission).

## Cross-section



Stepped circular cross-section ( $D_1$ : 1<sup>st</sup> part cross-section,  $D_2$ : 2<sup>nd</sup> part cross-section,  $D_3$ : 3<sup>rd</sup> part cross-section,  $t$ : thickness).

## Door opening

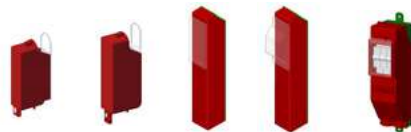


In particular, door opening for range AL-1, AL-2 and AL-C is made from the body of the pole through special saw machine. It fits tightly on the pole and is equipped with a security lock. It ensures the desirable aesthetic result. Protection IP54 through elastic gasket at the electrical compartment and protection against external mechanical impact IK10. Finally, it is accompanied with a security lock ZINCOMETAL of a triangular socket. It is user-friendly.

For the rest of our ranges the door opening is made from the body of the decorative base and it fits tightly on a special flange. It ensures the desirable aesthetic result through two stainless screw. At the same height there is a respective pole door opening to facilitate the installation and connection of the junction box.

**Connection and safety of electrical circuit**

## Junction boxes



Range A-M1, A-M2, A-M3,  
A-M3A, A-M4

Junction boxes are made from polyamide resins, self-extinguishing and infrangible IP43 (A-M1, A-M2, A-M4) and IP54 (A-M3, A-M3A) and IK08 (A-M1, A-M2, A-M3A, A-M3). It is suitable for poles of section  $\Phi 102$  (A-M1, A-M3) and  $\Phi 121$  (A-M3A, A-M2, A-M4).

**Aluminium door cover**

PG A1, PG A2

An alternative choice of a door opening is the aluminium protective cover with a special lock and its own key for easy use. Protection IP55 through elastic gasket at the electrical compartment and protection against external mechanical impact IK08. It is suitable for poles of section  $\Phi 102$  (PG A1),  $\Phi 133$  and  $\Phi 140$  (PG A2).

**Top's accessories****Decorative tops**

SF Series

Inox decorative sphere of diameter  $\Phi 100$  (SF-100), which is combined with the below die-cast aluminium top accessory.

TM Series

Die-cast aluminium top accessory for pole spigot  $\Phi 60$  (TM/AL 60) and  $\Phi 76$  (TM/AL 76).

**Decorative details of poles' connection****Decorative intermediate accessories**

Die-cast aluminium decorative intermediate accessory in circular form to adapt to pole of section  $\Phi 102$  to  $\Phi 60$  (SYS/AL-102/60).



Die-cast aluminium decorative intermediate accessory in circular form to adapt to pole of section  $\Phi 102$  to  $\Phi 76$  (SYS/AL-102/76).



Die-cast aluminium decorative intermediate accessory in circular form to adapt to pole of section  $\Phi 114$  to  $\Phi 60$  (SYS/AL-114/60).



Die-cast aluminium decorative intermediate accessory in circular form to adapt to pole of section  $\Phi 114$  to  $\Phi 76$  (SYS/AL-114/76).



Die-cast aluminium decorative intermediate accessory in circular form to adapt to pole of section  $\Phi 133$  to  $\Phi 102$  (SYS/AL-133/102).



Die-cast aluminium decorative intermediate accessory in circular form to adapt to pole of section  $\Phi 160$  to  $\Phi 133$  (SYS/AL-160/133).

#### Decorative details of the base

A big variety of ZINLUX decorative bases are suggested in order to provide an elegant architectural result.

#### Decorative bases

They perfectly cover the base plate and protect the anchor bolts.

#### B-S/AL Series aluminium bases



Decorative die-cast aluminium scissile base AS 12F with external diameter  $\Phi 330$ mm or  $\Phi 410$ mm. It is suitable for poles of cross-section from  $\Phi 102$ mm (B-S/AL-330/102),  $\Phi 133$ mm (B-S/AL-420/133) and  $\Phi 140$ mm (B-S/AL-420/140).

#### Benefits:

It facilitates maintenance work as it can be easily mounted and dismantled without removing the shaft of pole.

#### Die-cast aluminium base type "E"



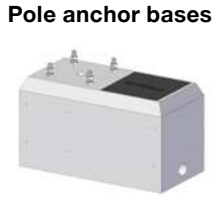
Decorative die-cast aluminium base of quality AS 12F type "E", height 910mm and diameter  $\Phi 325$ mm (B-E/AL-325/114).

Die-cast aluminium base  
type "C"



Decorative die-cast aluminium base of quality AS 12F type "C", height 600mm and diameter  $\Phi$ 390mm for pole of section  $\Phi$ 114 (B-C/AL-390/114) and  $\Phi$ 133 (B-C/AL-390/133).

Prefab anchor base



### Pole anchor bases

ZINCOMETAL prefab concrete base is an innovative product which aims to cover every project needs.

#### Benefits:

- Durability and Strength.
- Easy and flexible electrical works.
- It can be transported to the project.
- Installation and completion in real time to minimize cost and time.

PR-M/800/190/16	ZINCOMETAL prefab concrete base 800x600x550mm is equipped with 4 hot dip galvanized anchor bolts M16x500mm in arrangement 190x190mm, the manhole, the tube in which the cable pass through and the necessary equipment/accessories.
PR-M/1000/190/16	ZINCOMETAL prefab concrete base 1000x500x700mm is equipped with 4 hot dip galvanized anchor bolts M16x500mm in arrangement 190x190mm, the manhole, the tube in which the cable pass through and the necessary equipment/accessories. If it is necessary, it can be used as a primary base in order to construct a bigger one.
PR-M/1000/235/16	ZINCOMETAL prefab concrete base 1000x500x700mm is equipped with 4 hot dip galvanized anchor bolts M16x500mm in arrangement 235x235mm, the manhole, the tube in which the cable pass through and the necessary equipment/accessories. If it is necessary, it can be used as a primary base in order to construct a bigger one.
PR-SL/1000/235/16	ZINCOMETAL prefab concrete base 1000x1000x900mm is equipped with 4 hot dip galvanized anchor bolts M16x500mm in arrangement 235x235mm, the manhole, the tube in which the cable pass through and the necessary equipment/accessories.

- PR-M/1000/190/20 ZINCOMETAL prefab concrete base 1000x500x700mm is equipped with 4 hot dip galvanized anchor bolts M20x600mm in arrangement 190x190mm, the manwhole, the tube in which the cable pass through and the necessary equipment/accessories. If it is necessary, it can be used as a primary base in order to construct a bigger one.
- PR-SL/1000/190/20 ZINCOMETAL prefab concrete base 1000x1000x900mm is equipped with 4 hot dip galvanized anchor bolts M20x600mm in arrangement 190x190mm, the manwhole, the tube in which the cable pass through and the necessary equipment/accessories.

#### Anchor base












Another alternative suggestion for installation in real time is the pole anchor base, which is delivered hot dip galvanized.

- BAG M16/50/Z/190 Pole anchor base with 4 anchor bolts M16 of 500mm length each one, in arrangement 190x190mm.
- BAG M16/50/Z/235 Pole anchor base with 4 anchor bolts M16 of 500mm length each one, in arrangement 235x235mm.
- BAG M20/60/Z/190 Pole anchor base with 4 anchor bolts M20 of 600mm length each one, in arrangement 190x190mm.

## Table of ZINLUX CITY

## AL-1 Series

										
						Junction box	Anchor base			Prefab base
Code	mm	mm	mm	mm	mm	Code	Code	mm	mm	Code
CITY AL-1/30/60	3000	1200/1800	Ø102/Ø60	3	Ø310x10	A-M3 A-M1	BAG M16/50/Z/190	M16x500	190x190	PR-M/800/190/16
CITY AL-1/30/76	3000	1200/1800	Ø102/Ø76							
CITY AL-1/35/60	3500	1500/2000	Ø102/Ø60							
CITY AL-1/35/76	3500	1500/2000	Ø102/Ø76							
CITY AL-1/40/76	4000	1500/2000	Ø102/Ø76							PR-M/1000/190/16

## AL-2 Series

CITY AL-2/50/76	5000	2000/1500/1500	Ø133/Ø102/Ø76	3	Ø390x10	A-M4 A-M3A	BAG M16/50/Z/235	M16x500	235x235	PR-M/1000/235/16	
CITY AL-2/55/76	5500	2000/2000/1500	Ø133/Ø102/Ø76	3							
CITY AL-2/60/76	6000	2000/2000/2000	Ø133/Ø102/Ø76	3							
CITY AL-2/70/76	7000	2000/3000/2000	Ø133/Ø102/Ø76	4-3-3							
CITY AL-2/80/102	8000	3000/3000/2000	Ø140/Ø133/Ø102	4-4-3						Ø390x12	PR-SL/1000/235/16
CITY AL-2/90/102	9000	3000/3000/3000	Ø140/Ø133/Ø102	4-4-3						Ø390x15	

## AL-E Series

CITY AL-E/30/60	3000	1500/1500	Ø114/Ø60	3	Ø325x10	A-M3 A-M2	BAG M16/50/Z/190	M16x500	190x190	PR-M/800/190/16
CITY AL-E/35/60	3500	1500/2000	Ø114/Ø60							
CITY AL-E/35/76	3500	1500/2000	Ø114/Ø76							
CITY AL-E/40/76	4000	2000/2000	Ø114/Ø76							
CITY AL-E/45/76	4500	2000/2500	Ø114/Ø76							PR-M/1000/190/16
CITY AL-E/50/76	5000	2000/3000	Ø114/Ø76							

## AL-C Series

CITY AL-C/40	4000	2000/2000	Ø114/Ø76	3	Ø370x10	A-M3A A-M2	BAG M16/50/Z/190	M16x500	190x190	PR-M/1000/190/16
CITY AL-C/45	4500	2000/2500	Ø114/Ø76							
CITY AL-C/50	5000	2000/3000	Ø114/Ø76							
CITY AL-C/55	5500	2000/2000/1500	Ø133/Ø102/Ø76							
CITY AL-C/60	6000	2000/2000/2000	Ø133/Ø102/Ø76							
CITY AL-C/65	6500	2000/2000/2500	Ø133/Ø102/Ø76	4-3-3	Ø370x12	BAG M20/60/Z/190	M20x600	190x190	PR-M/1000/190/20	
CITY AL-C/70	7000	2000/3000/2000	Ø133/Ø102/Ø76							
CITY AL-C/80	8000	3000/3000/2000	Ø133/Ø102/Ø76							Ø370x15



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