

Alcopole⁺



Alcopole is a trademark of HPR Endüstri A.Ş. for Aluminum poles. HPR Endüstri A.Ş. founded in 2010, in Ankara Turkey. Alcopole with its 20.000 m² production facility in Başkent Industrial Zone specializes in the production of aluminum lighting poles and flag poles.

Alcopole with its presence in Europe and MENA region is gradually extending its operation all over the world without compromising from quality and customer satisfaction. As a trusted partner Alcopole, not only sells poles but also creates creative solutions to the customer's needs. By the help of its qualified human resources and market experience Alcopole offers highly professional products, providing creative solutions to any customer's design needs.

Alcopole manufacturing program covers a complete range of aluminum lighting poles.

Our Conical, Tubular, Stepped, Multi-Functional and Customised aluminum lighting poles are available in a wide range of sizes and available from 3m to 14m in height.

Standard poles are designed to comply with EN 40 standards and can take a wide range of luminaries and brackets. Customised specifications and designs are available upon request.

An overview of our complete pole and bracket designs is presented in this catalogue.

Alcopole®

ADVANTAGES OF ALUMINUM POLES

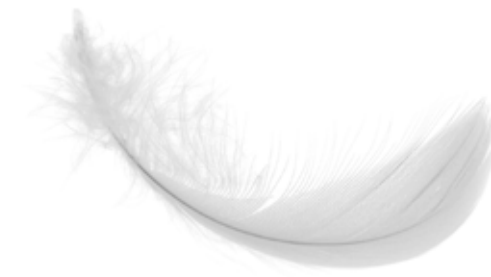
- Corrosion resistant and Maintenance free
- Quick installation and low assembly costs
- Functionally versatile but very strong and stable
- Various finishing options are available with wide choice of colors
- Has long life span than steel and fiberglass poles
- Environmentally-friendly and 100% recyclable with high residual value
- Improved safety on the roads thanks to the absorbing feature of aluminum

PRODUCTION PROCESS

The materials used for the poles are round aluminum alloys with high wind resistance performance, corrosion resistance and decorative properties. Extruded aluminum alloy tube is mechanically rolled on a specially designed digitally controlled machine. The machine forms conical aluminum pole with a greater durability from cylindrical tubes.

FINISHING OPTIONS

Aluminum seamlessly combines style and elegance with exceptional finishing options. Naturally Brushed, anodized or electro static epoxy coated with various color options.



Lightweight

The aluminum has the advantage of being both lightweight and durable, this ensures easy to transport and simple self-assembly and installation.

CONICAL POLES

The most common use of conical aluminum lighting poles are highways, pedestrian areas, shopping streets and boulevards, where they provide atmospheric lighting.

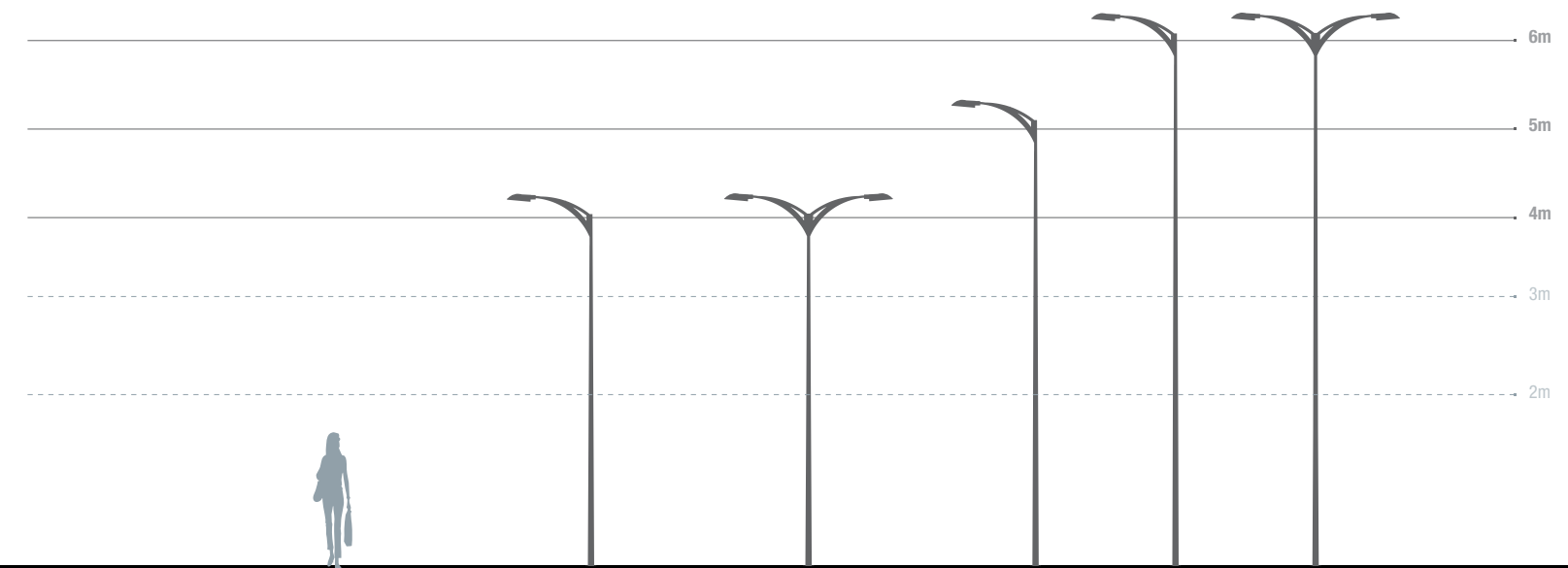
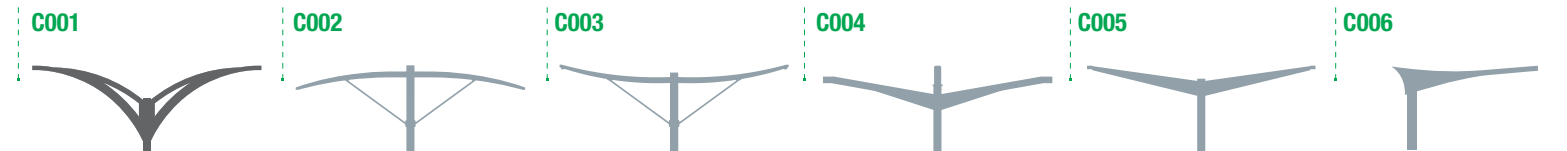
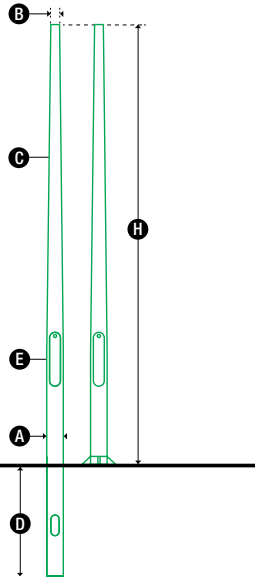
These poles can be fitted with single or multi light fixture arms, in order to install one or more light sources. Conical poles come in various lengths and diameters.



Ø114

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFK.001.030.239 PABK.001.030.000	3000	114	60	3	---	400 X 85	280 X 280 ---	90BJ001 ---
PAFK.002.030.239 PABK.002.030.000			76		---		280 X 280 ---	90BJ001 ---
PAFK.005.040.239 PABK.005.040.000	4000	114	60	3	---	400 X 85	280 X 280 ---	90BJ002 ---
PAFK.006.040.239 PABK.006.040.000			76		---		280 X 280 ---	90BJ002 ---
PAFK.009.050.240 PABK.009.050.000	5000	114	60	3	---	400 X 85	280 X 280 ---	90BJ004 ---
PAFK.010.050.240 PABK.010.050.000			76		---		280 X 280 ---	90BJ004 ---
PAFK.011.060.240 PABK.011.060.000	6000	114	60	3	---	400 X 85	280 X 280 ---	90BJ004 ---
PAFK.012.060.240 PABK.012.060.000			76		---		280 X 280 ---	90BJ004 ---

* Refer pages 70-71 for anchorbolt and foundation details.

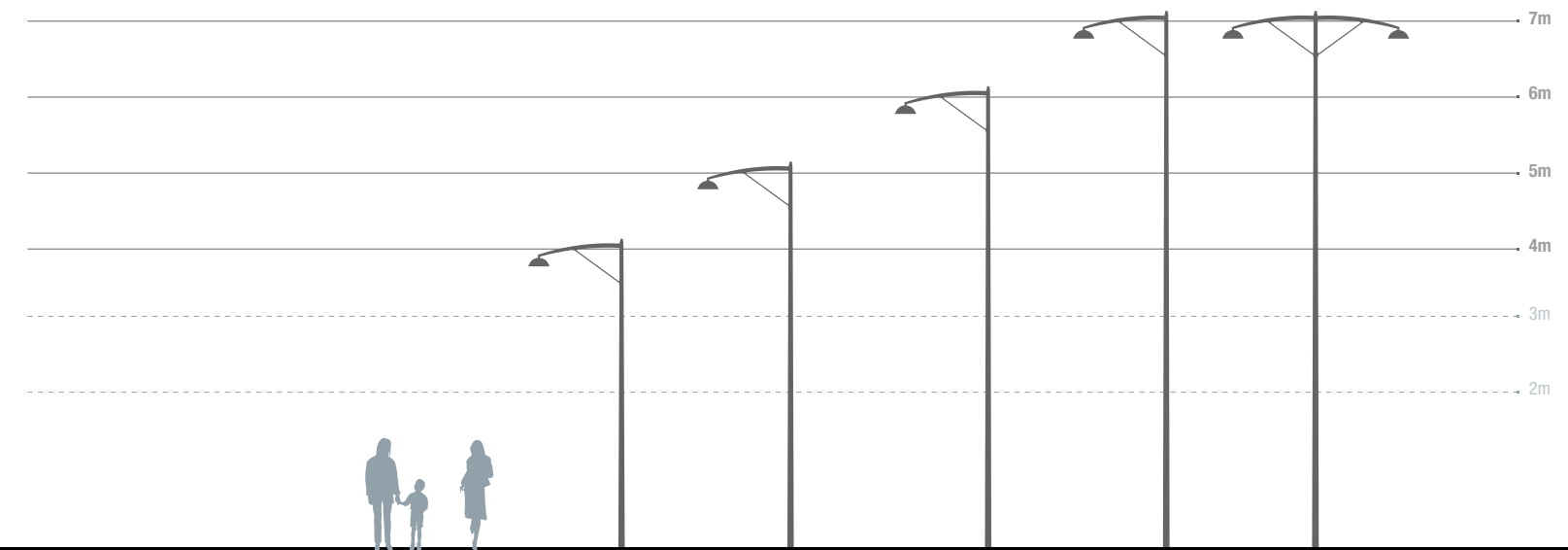
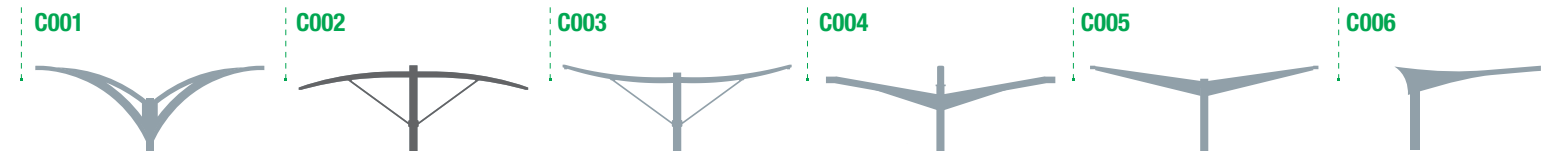
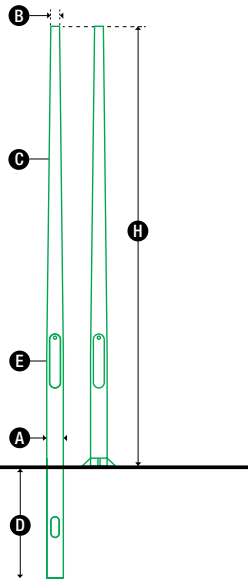




Ø122

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
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---			800		---		90BJ002	
PAFK.042.040.239 PABK.078.040.000	5000	122	76	3	---	400 X 90	280 X 280	90BJ002
---			800		---		90BJ002	
PAFK.055.050.240 PABK.055.050.000	6000	122	60	3	---	400 X 90	280 X 280	90BJ004
---			800		---		90BJ004	
PAFK.051.050.240 PABK.069.050.000	7000	122	76	3	---	400 X 90	280 X 280	90BJ004
---			800		---		90BJ004	
PAFK.013.060.240 PABK.013.060.000	7000	122	60	3	---	400 X 90	280 X 280	90BJ004
---			1000		---		90BJ004	
PAFK.014.060.240 PABK.014.060.000	7000	122	76	3	---	400 X 90	280 X 280	90BJ004
---			1000		---		90BJ004	
PAFK.068.070.241 PABK.064.070.000	7000	122	60	3	---	400 X 90	280 X 280	90BJ005
---			1000		---		90BJ005	
PAFK.015.070.241 PABK.015.070.000	7000	122	76	3	---	400 X 90	280 X 280	90BJ005
---			1000		---		90BJ005	

* Refer pages 70-71 for anchorbolt and foundation details.

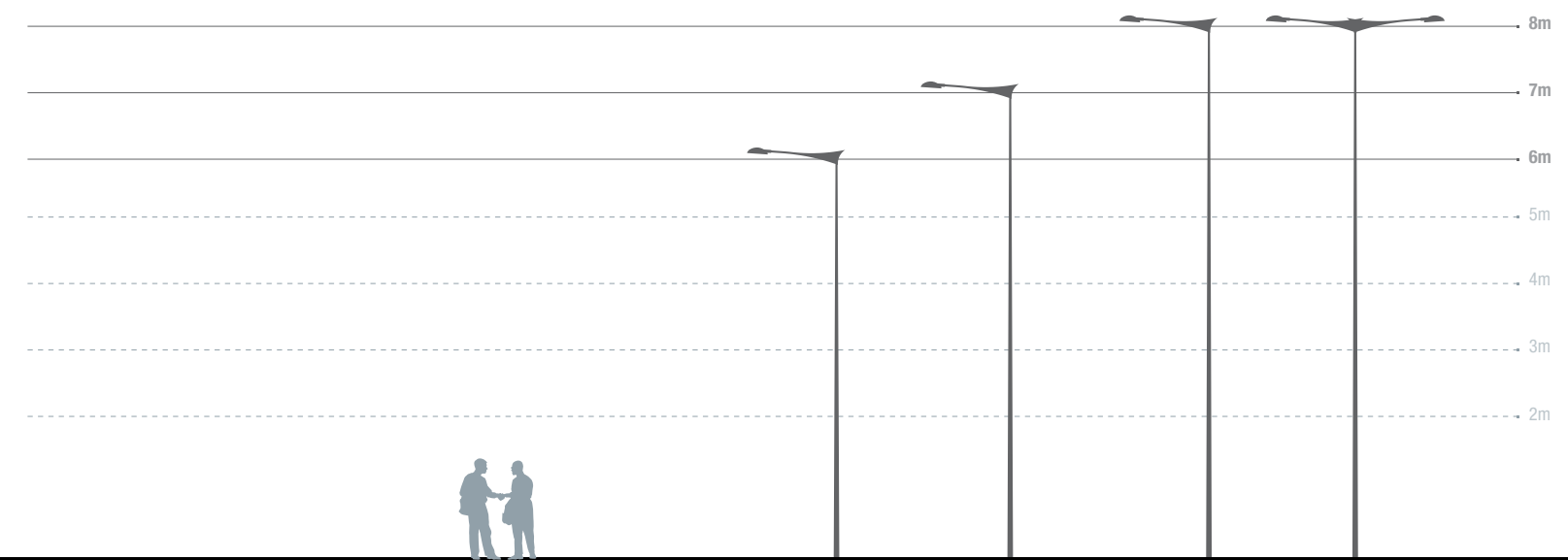
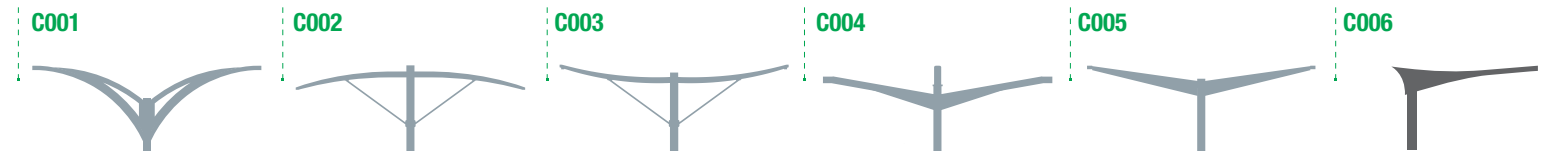
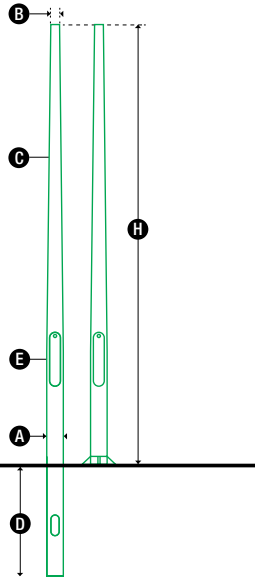




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PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
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PAFK.073.060.241 PABK.070.060.000			76		1000		280 X 280 ---	90BJ005 ---
PAFK.074.070.241 PABK.071.070.000	7000	135	60	3	1000	400 X 90	280 X 280 ---	90BJ005 ---
PAFK.075.070.241 PABK.072.070.000			76		1000		280 X 280 ---	90BJ005 ---
PAFK.069.080.242 PABK.065.080.000	8000	135	60	3	1200	400 X 90	330 X 330 ---	90CJ005 ---
PAFK.016.080.242 PABK.016.080.000			76		1200		330 X 330 ---	90CJ005 ---

* Refer pages 70-71 for anchorbolt and foundation details.

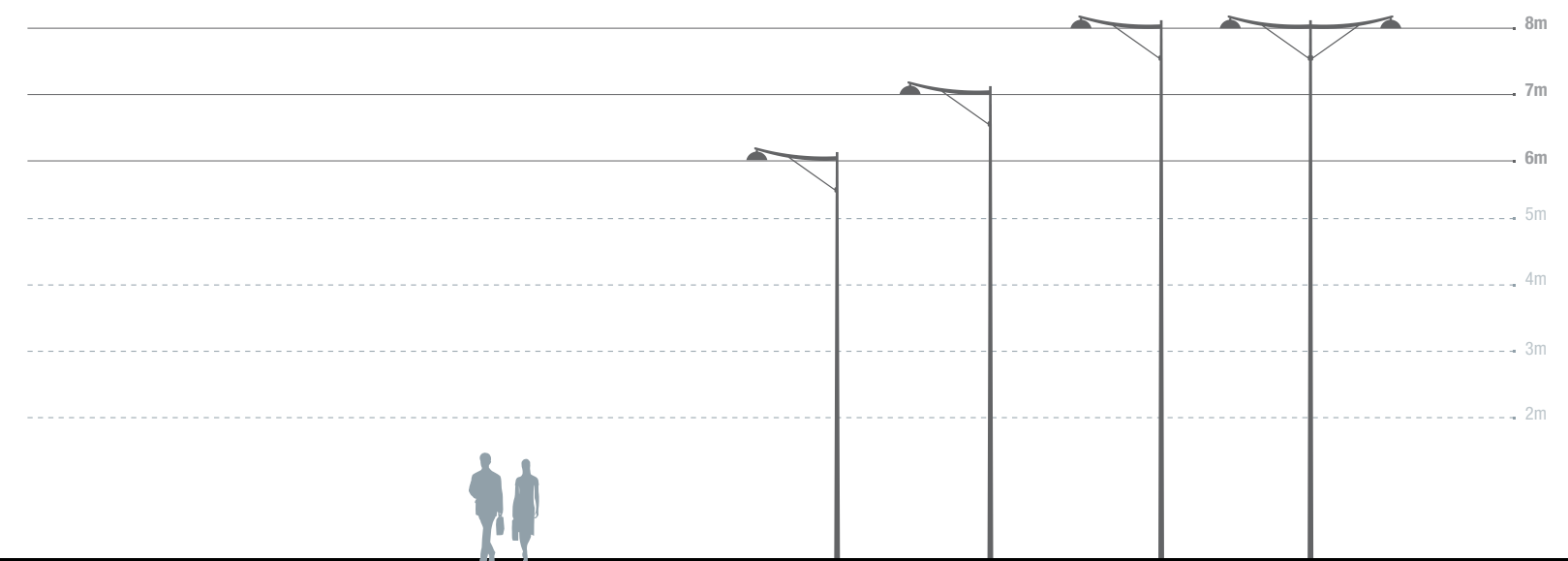
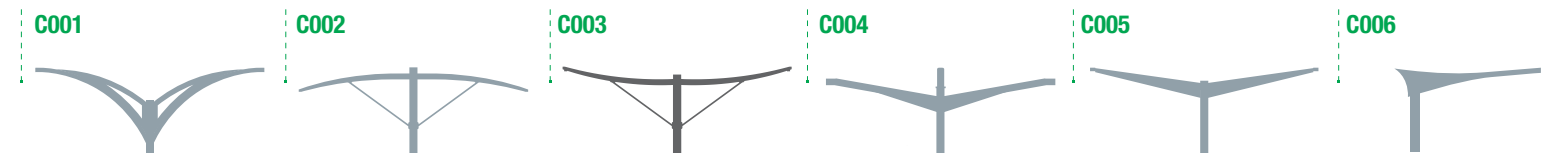
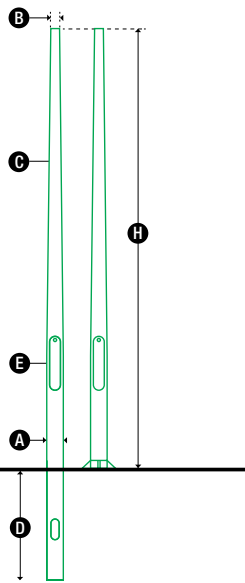




Ø148

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFK.050.060.242 PABK.050.060.000	6000	148	60	3	1000	400 X 100	330 X 330 ---	90CJ005 ---
PAFK.076.060.242 PABK.042.060.000			76		1000		330 X 330 ---	90CJ005 ---
PAFK.077.070.243 PABK.073.070.000	7000	148	60	3	1000	400 X 100	330 X 330 ---	90CJ006 ---
PAFK.078.070.243 PABK.074.070.000			76		1000		330 X 330 ---	90CJ006 ---
PAFK.017.080.243 PABK.017.080.000	8000	148	60	3	1200	400 X 100	330 X 330 ---	90CJ006 ---
PAFK.018.080.243 PABK.018.080.000			76		1200		330 X 330 ---	90CJ006 ---

* Refer pages 70-71 for anchorbolt and foundation details.

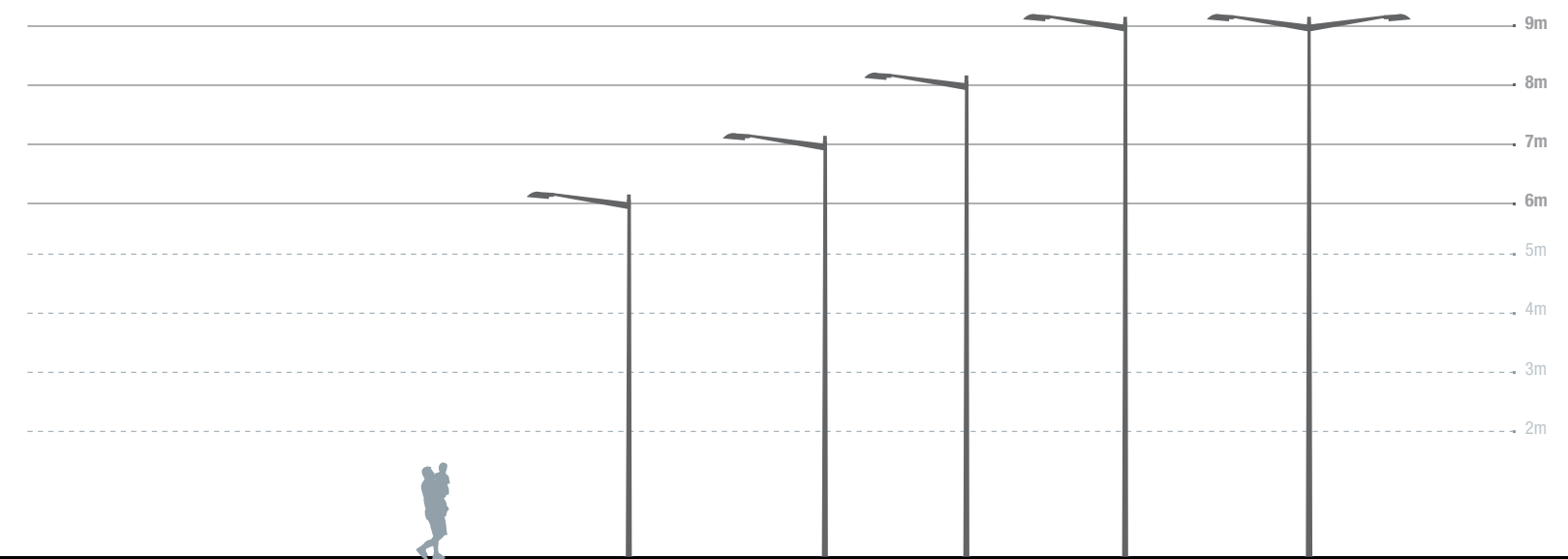
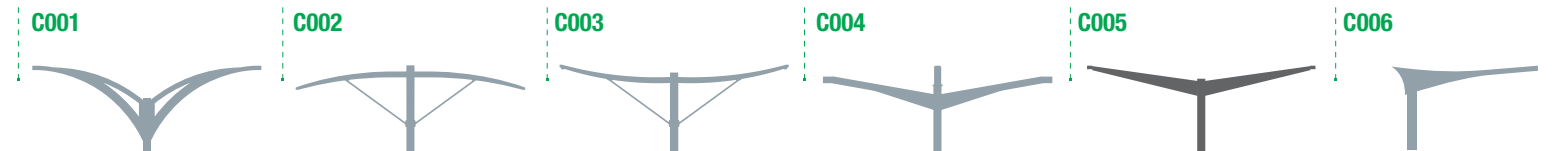
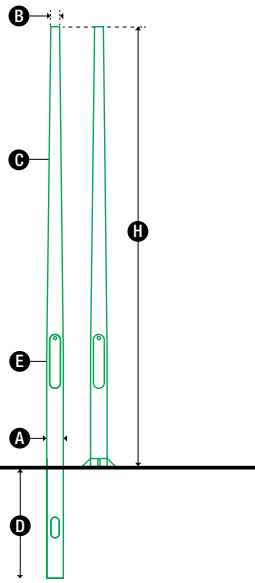




Ø165

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFK.046.060.242 PABK.046.060.000	6000	165	76	3	1000	400 X 100	330 X 330 ---	90CJ005 ---
PAFK.079.060.242 PABK.075.060.000			90		1000		330 X 330 ---	90CJ005 ---
PAFK.080.070.243 PABK.076.070.000	7000	165	76	3	1000	400 X 100	330 X 330 ---	90CJ006 ---
PAFK.081.070.243 PABK.077.070.000			90		1000		330 X 330 ---	90CJ006 ---
PAFK.020.080.243 PABK.020.080.000	8000	165	76	3	1200	400 X 100	330 X 330 ---	90CJ006 ---
PAFK.021.080.243 PABK.021.080.000			90		1200		330 X 330 ---	90CJ006 ---
PAFK.082.090.244 PABK.079.090.000	9000	165	76	3	1200	400 X 100	400 X 400 ---	90DJ007 ---
PAFK.083.090.244 PABK.080.090.000			90		1200		400 X 400 ---	90DJ007 ---

* Refer pages 70-71 for anchorbolt and foundation details.

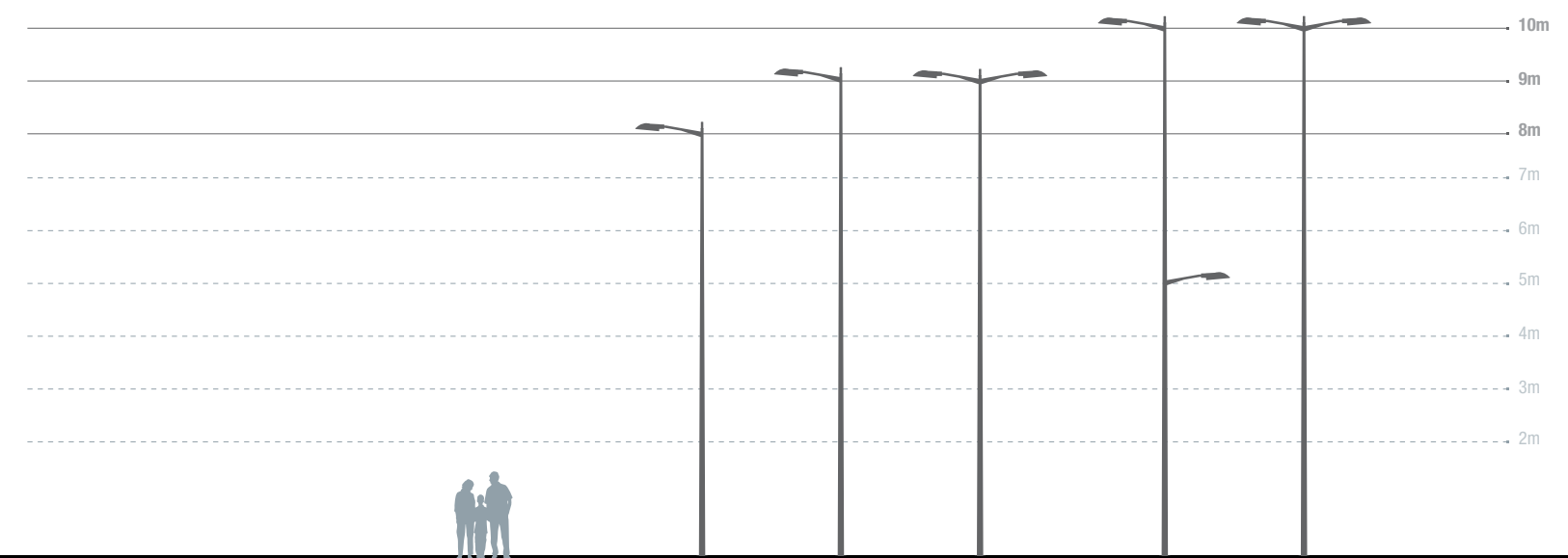
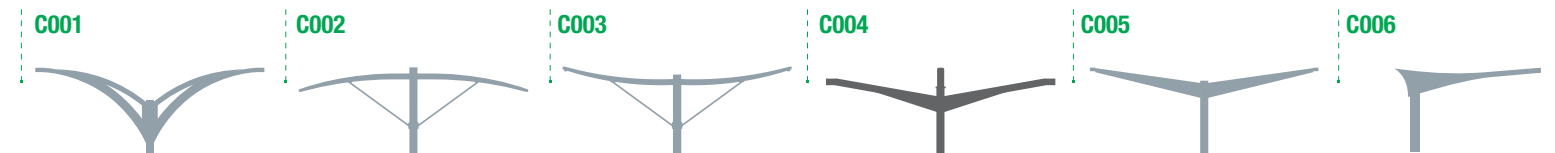
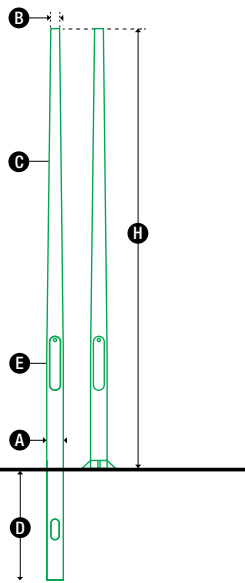




Ø180

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFK.023.080.244 PABK.023.080.000	8000	180	76	4	1200	500 X 100	400 X 400 ---	90DJ007 ---
PAFK.024.080.244 PABK.024.080.000			90		1200		400 X 400 ---	90DJ007 ---
PAFK.066.090.245 PABK.081.090.000	9000	180	76	4	1200	500 X 100	400 X 400 ---	90DJ007 ---
PAFK.084.090.245 PABK.082.090.000			90		1200		400 X 400 ---	90DJ007 ---
PAFK.029.100.245 PABK.029.100.000	10000	180	76	4	1500	500 X 100	400 X 400 ---	90DJ008 ---
PAFK.070.100.245 PABK.066.100.000			90		1500		400 X 400 ---	90DJ008 ---

* Refer pages 70-71 for anchorbolt and foundation details.

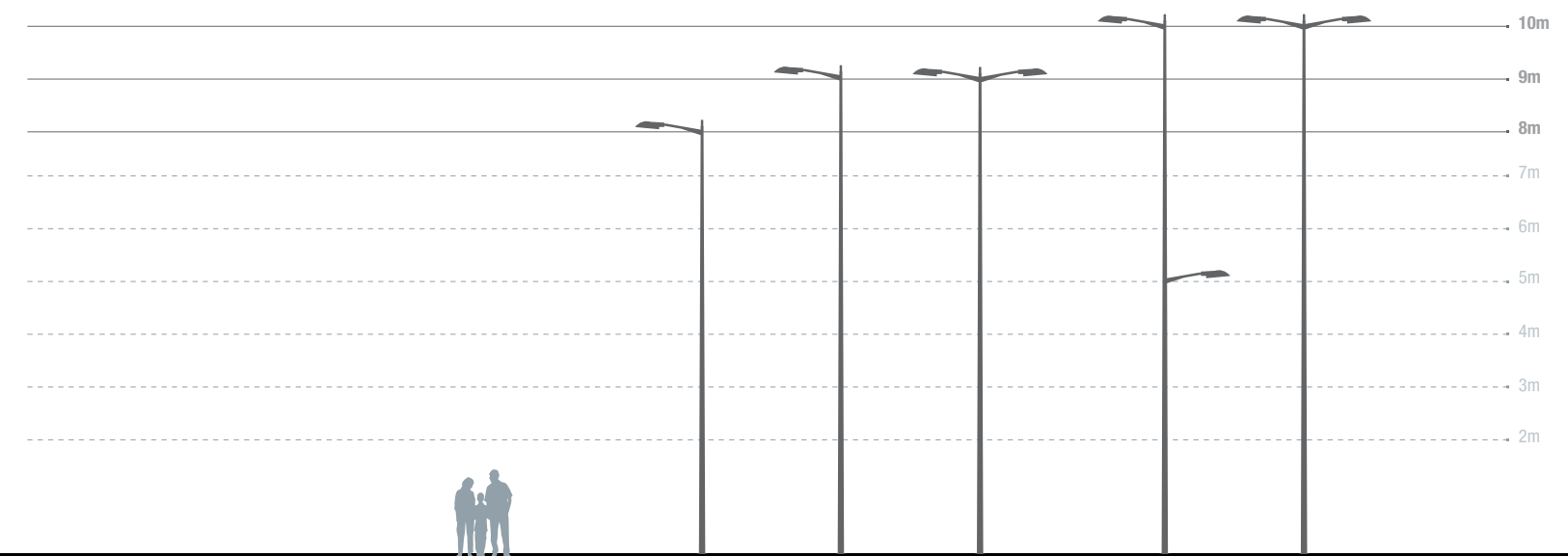
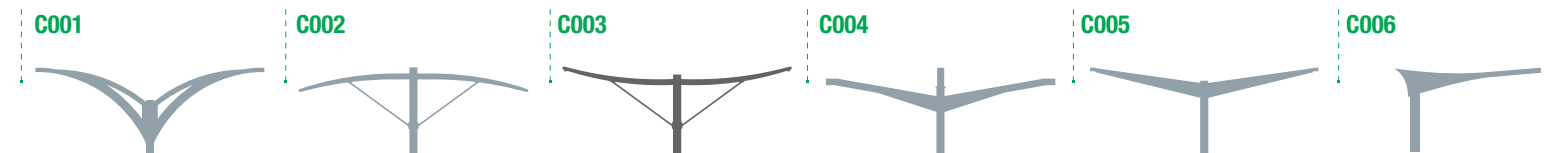
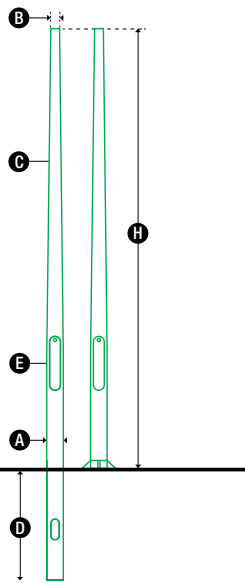




Ø200

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFK.032.100.245 PABK.032.100.000	10000	200	76	5	1500	500 X 100	400 X 400 ---	90DJ008 ---
PAFK.033.100.245 PABK.033.100.000			90		1500		400 X 400 ---	90DJ008 ---
PAFK.071.110.246 PABK.071.110.000	11000	200	76	5	1500	500 X 100	400 X 400 ---	90DJ009 ---
PAFK.072.110.246 PABK.072.110.000			90		1500		400 X 400 ---	90DJ009 ---
PAFK.037.120.246 PABK.037.120.246	12000	200	76	5	1800	500 X 100	400 X 400 ---	90DJ010 ---
PAFK.038.120.246 PABK.038.120.000			90		1800		400 X 400 ---	90DJ010 ---

* Refer pages 70-71 for anchorbolt and foundation details.





environmentally friendly

Aluminum has a low carbon footprint. Aluminum has a low impact on the environment and considered as an environmentally sustainable metal, which means it can be recycled again and again without losing any of its superior characteristics.



STEPPED POLES

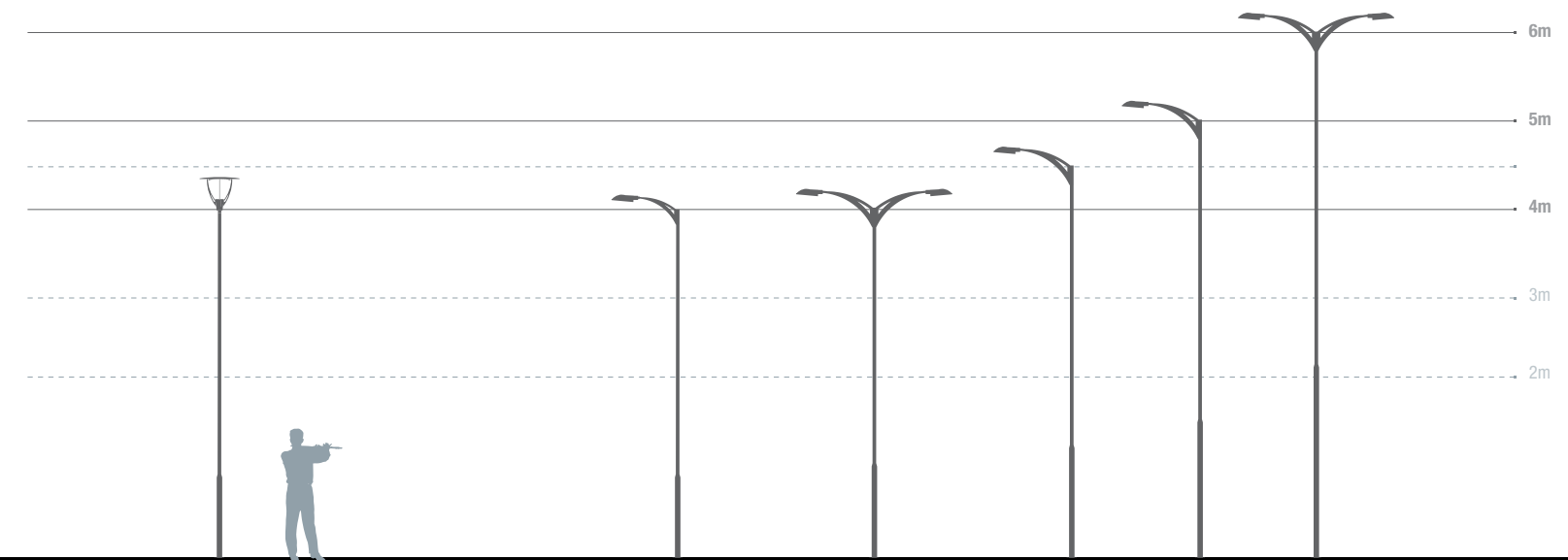
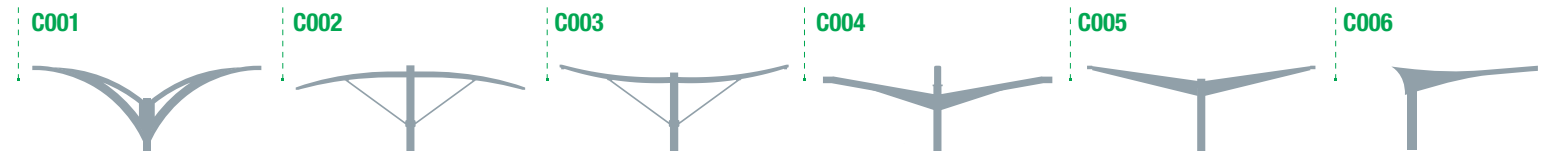
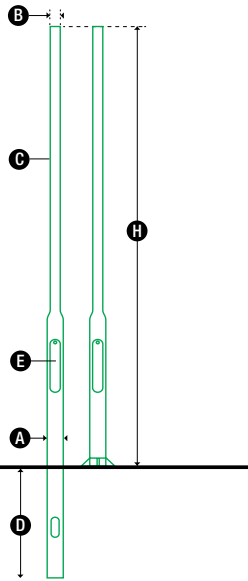
The pole is formed from multi parts of different diameters. The most common usage areas of these poles are motorways and pedestrian areas, secondary roads and rural areas. These poles can be fitted with a single or multi light fixture arms, in order to install one or more light sources.



Ø114

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFS.001.030.239 PABS.001.030.000	3000	114	60	3	800	400 X 85	280 X 280 ---	90BJ001 ---
PAFS.002.030.239 PABS.002.030.000			76		800		280 X 280 ---	90BJ001 ---
PAFS.003.035.239 PABS.003.035.000	3500	114	60	3	800	400 X 85	280 X 280 ---	90BJ001 ---
PAFS.004.035.239 PABS.004.035.000			76		800		280 X 280 ---	90BJ001 ---
PAFS.005.040.239 PABS.005.040.000	4000	114	60	3	800	400 X 85	280 X 280 ---	90BJ002 ---
PAFS.006.040.239 PABS.006.040.000			76		800		280 X 280 ---	90BJ002 ---
PAFS.008.045.239 PABS.008.045.000	4500	114	60	3	800	400 X 85	280 X 280 ---	90BJ003 ---
PAFS.009.045.239 PABS.009.045.000			76		800		280 X 280 ---	90BJ003 ---
PAFS.010.050.240 PABS.010.050.000	5000	114	60	3	800	400 X 85	280 X 280 ---	90BJ004 ---
PAFS.011.050.240 PABS.011.050.000			76		800		280 X 280 ---	90BJ004 ---
PAFS.016.060.240 PABS.016.060.000	6000	114	60	3	1000	400 X 85	280 X 280 ---	90BJ004 ---
PAFS.017.060.240 PABS.017.060.000			76		1000		280 X 280 ---	90BJ004 ---

* Refer pages 70-71 for anchorbolt and foundation details.

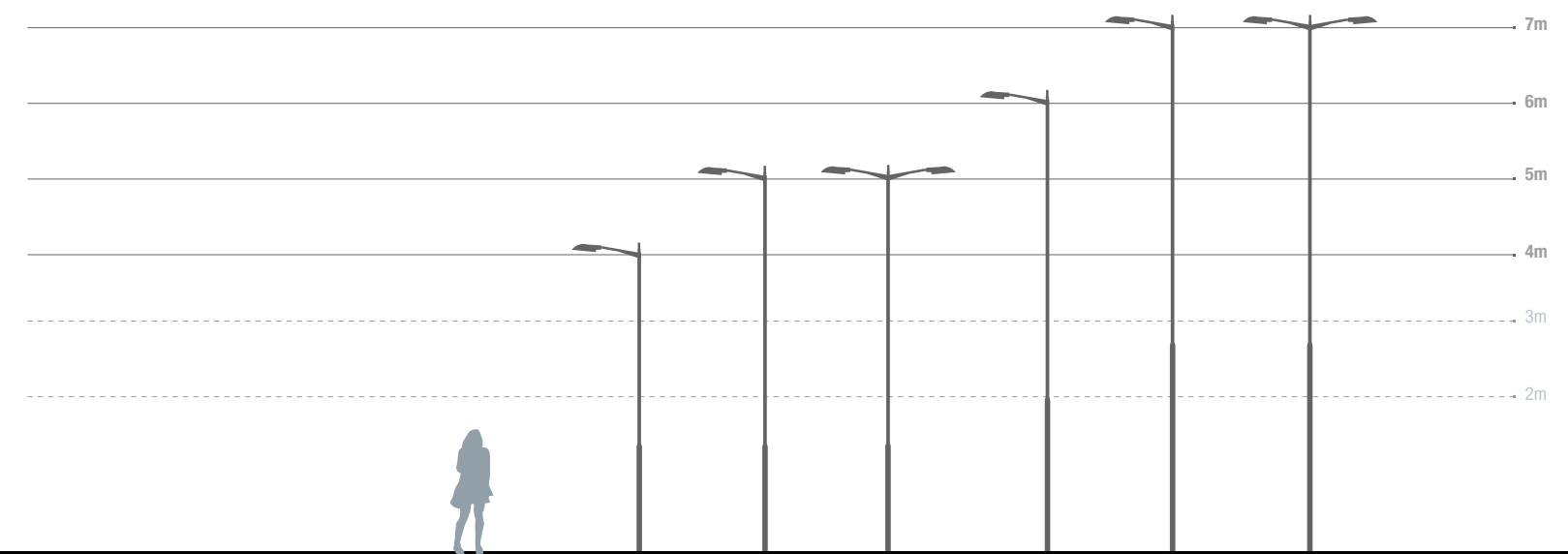
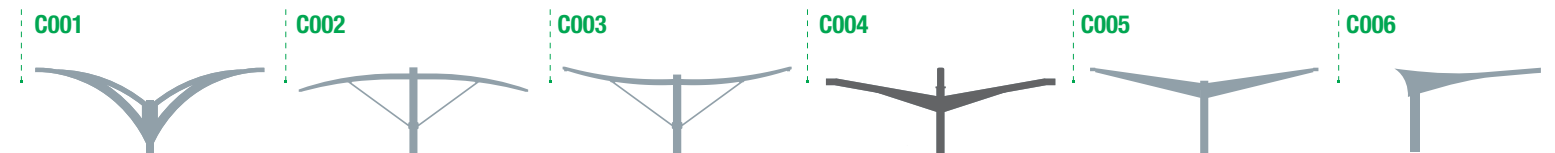
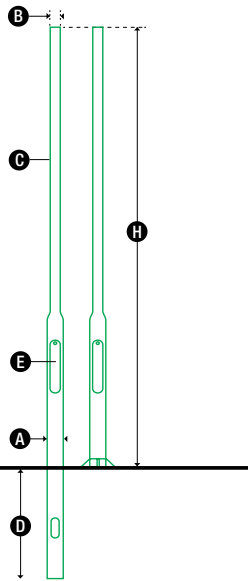




Ø122

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFS.055.040.239 PABS.051.040.000	4000	122	60	3	800	400 X 90	280 X 280 ---	90BJ002 ---
PAFS.007.040.239 PABS.007.040.000			76		800		280 X 280 ---	90BJ002 ---
PAFS.012.050.239 PABS.012.050.000	5000	122	60	3	800	400 X 90	280 X 280 ---	90BJ004 ---
PAFS.013.050.239 PABS.013.050.000			76		800		280 X 280 ---	90BJ004 ---
PAFS.018.060.240 PABS.018.060.000	6000	122	60	3	1000	400 X 90	280 X 280 ---	90BJ004 ---
PAFS.019.060.240 PABS.019.060.000			76		1000		280 X 280 ---	90BJ004 ---
PAFS.056.070.241 PABS.052.070.000	7000	122	60	3	1000	400 X 90	280 X 280 ---	90BJ005 ---
PAFS.023.070.241 PABS.023.070.000			76		1000		280 X 280 ---	90BJ005 ---

* Refer pages 70-71 for anchorbolt and foundation details.





corrosion resistant

Aluminum can achieve high strength and corrosion resistance in various atmospheric conditions, because of the tough oxide film that forms on its surface; furthermore in many outdoor applications, does not require any shelter, protective coatings or maintenance.



CYLINDRICAL POLES

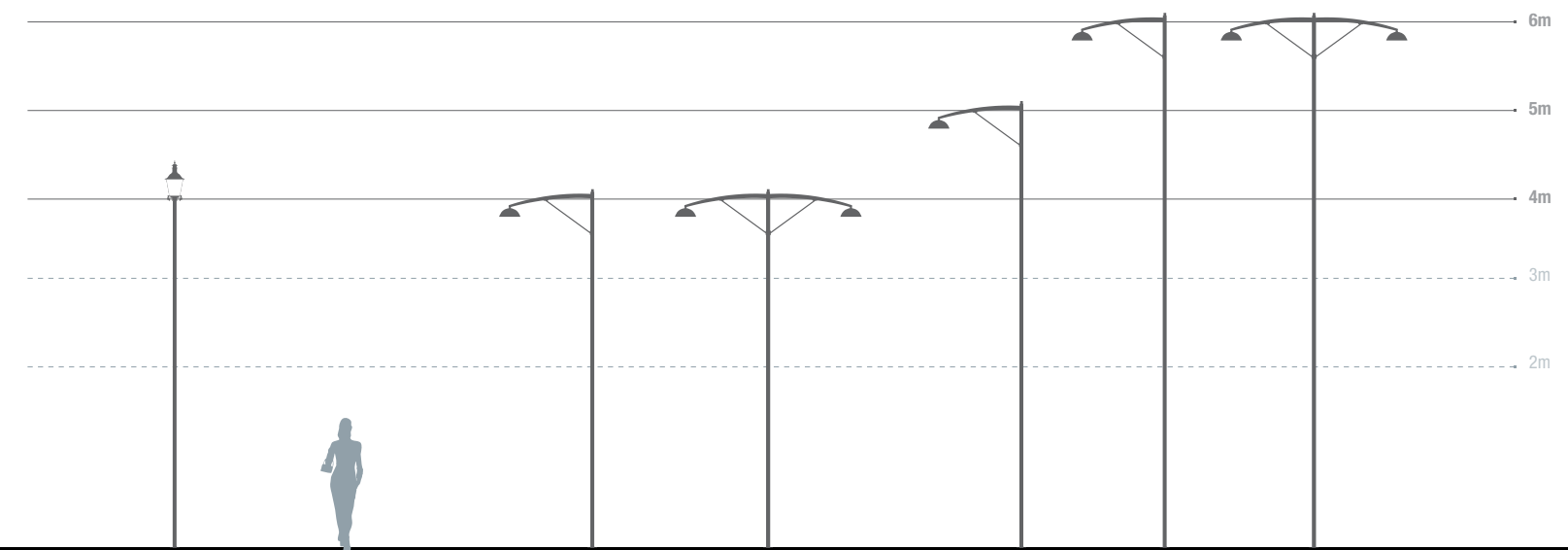
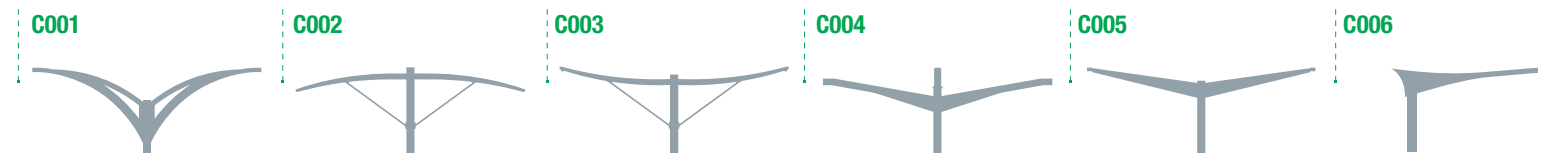
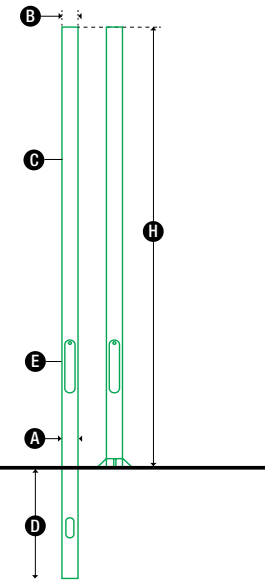
The Straight Cylindrical Pole is a cylindrical aluminum lighting pole with a continuous wall thickness, used for decorative lighting in rural areas. The simple cylindrical form of Straight Cylindrical Poles combines a good price with a high level of quality. These poles can be fitted with single or multi light fixture arms, in order to install one or more light sources.

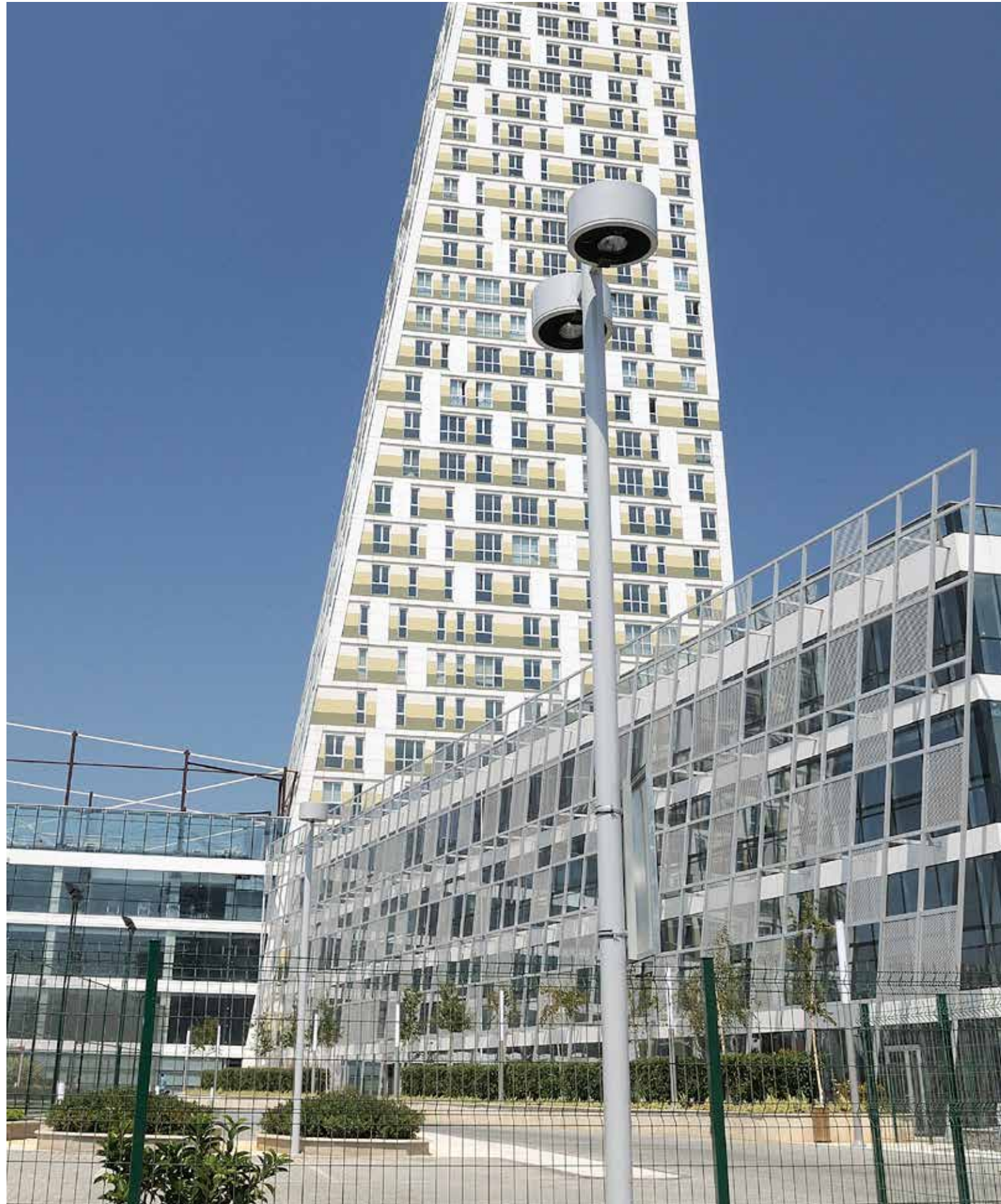


Ø114

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
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	800				---		---	
PAFC.007.040.239 PABC.007.040.000	4000				---		---	---
	800				280 X 280		---	
PAFC.026.050.240 PABC.032.050.000	5000				---		280 X 280	90BJ004
					800		---	---
PAFC.017.060.240 PABC.017.060.000	6000				---		280 X 280	90BJ004
					1000		---	---

* Refer pages 70-71 for anchorbolt and foundation details.

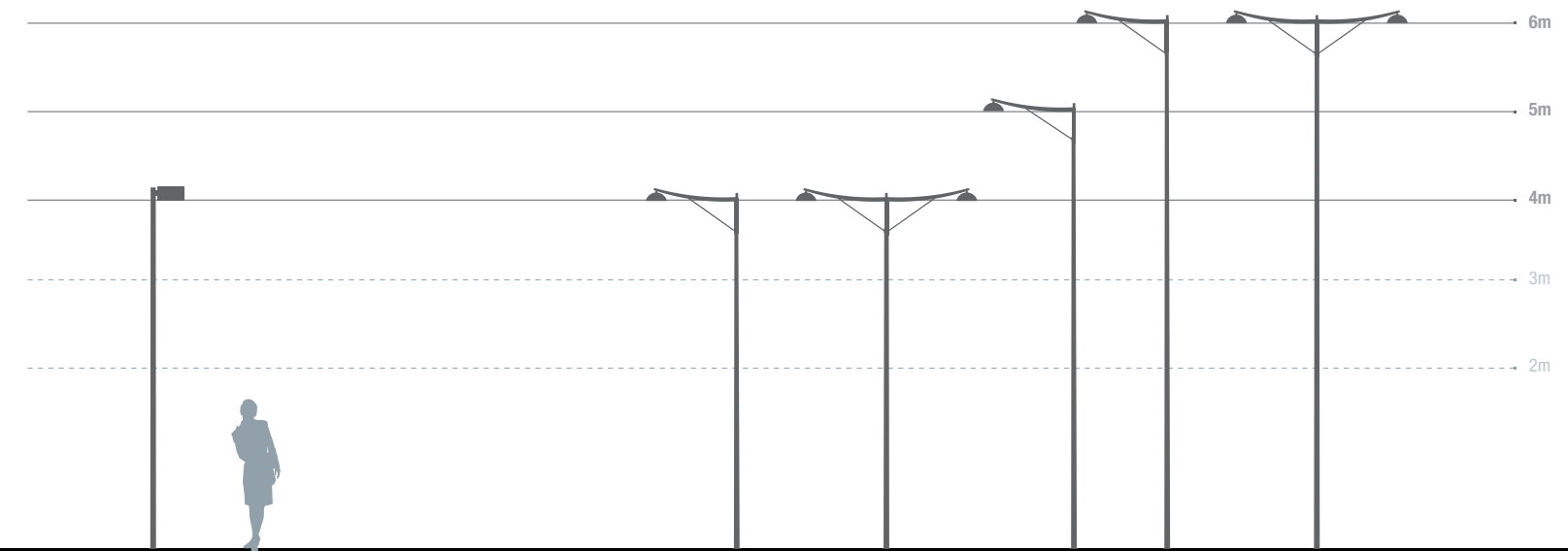
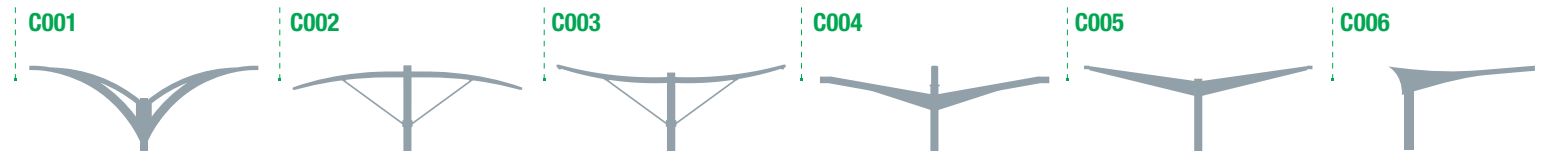
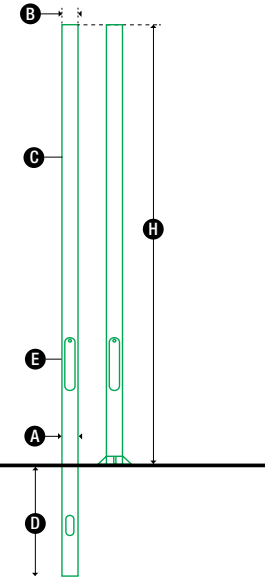




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PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFC.002.030.239 PABC.002.030.000	3000	122	122	3	---	400 X 85	280 X 280	90BJ001
	800				---		---	
PAFC.008.040.239 PABC.008.040.000	4000				280 X 280		---	
	800				---		---	
PAFC.013.050.240 PABC.013.050.000	5000				---		280 X 280	90BJ004
					800		---	---
PAFC.018.060.240 PABC.018.060.000	6000				---		280 X 280	90BJ004
					1000		---	---

* Refer pages 70-71 for anchorbolt and foundation details.

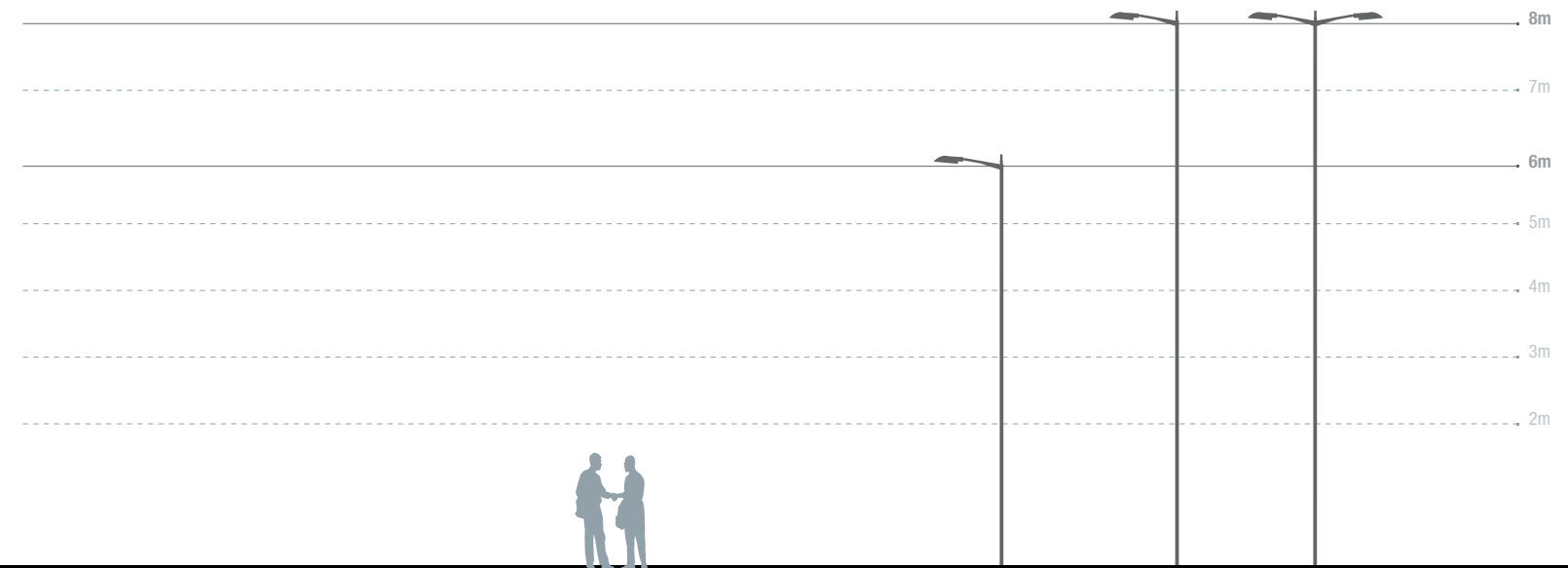
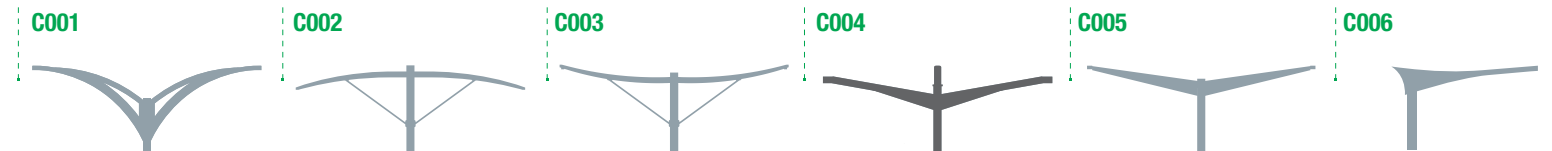
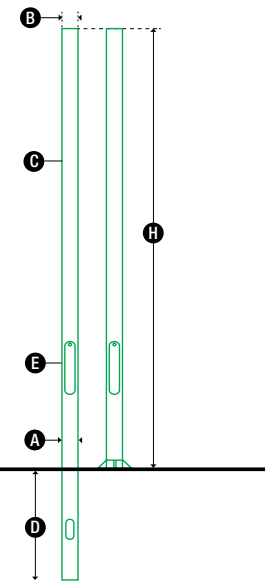




Ø135

PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	THICKNESS C	EMBEDMENT LENGTH D	ACCESS DOOR E	FLANGE DIMENSIONS	ANCHORAGE CODE
PAFC.019.060.241 PABC.019.060.241	6000	135	135	3	---	400 X 90	280 X 280	90BJ005
	1000				---		---	
PAFC.035.080.242 PABC.033.080.000	8000				---		330 X 330	90CJ005
					1200		---	---

* Refer pages 70-71 for anchorbolt and foundation details.





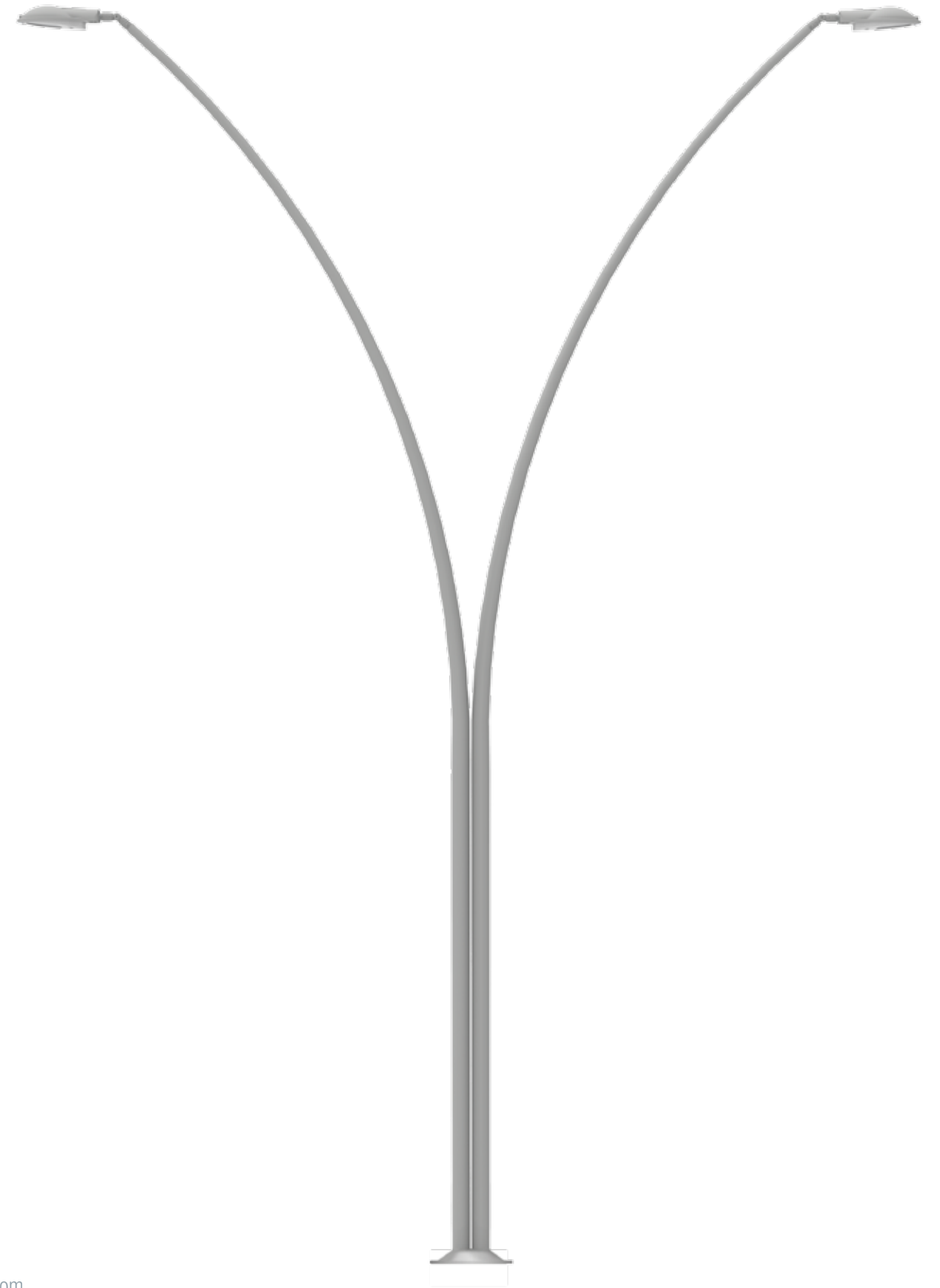
aesthetic

Aluminum poles offer many alternative options in terms of appearance and surface protection or combination of the two by integrating style and elegance with exceptional aesthetic finishing options.



CURVED POLES

Curved poles are created from Conical Pole and ideal for functional lighting above cycle ways, provincial roads or in city centers. Curved pole has a good appearance.





multifunctional

Aluminum is considered as a precious metal that can be transformed into technical, functional and versatile products and has many advantages that also bring functionality.



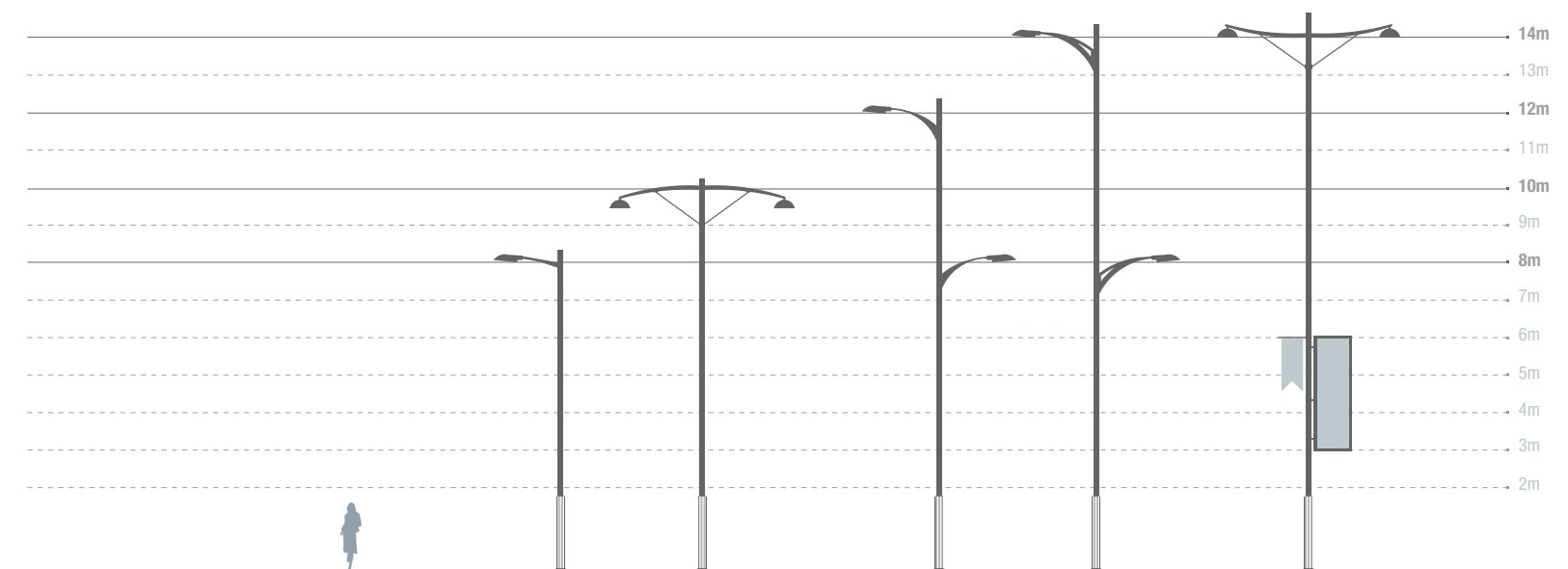
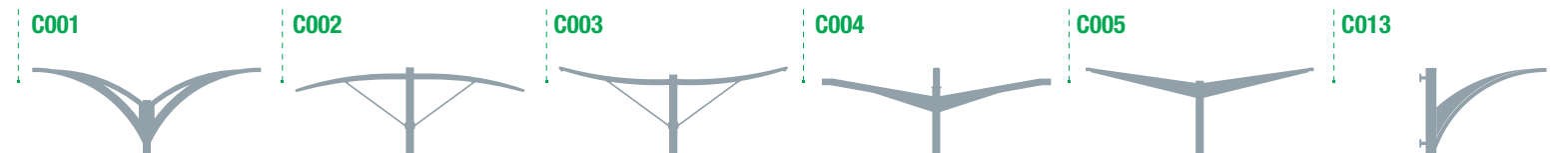
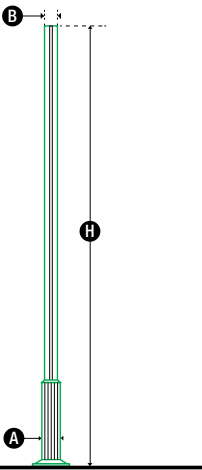
PERFORMANCE POLES

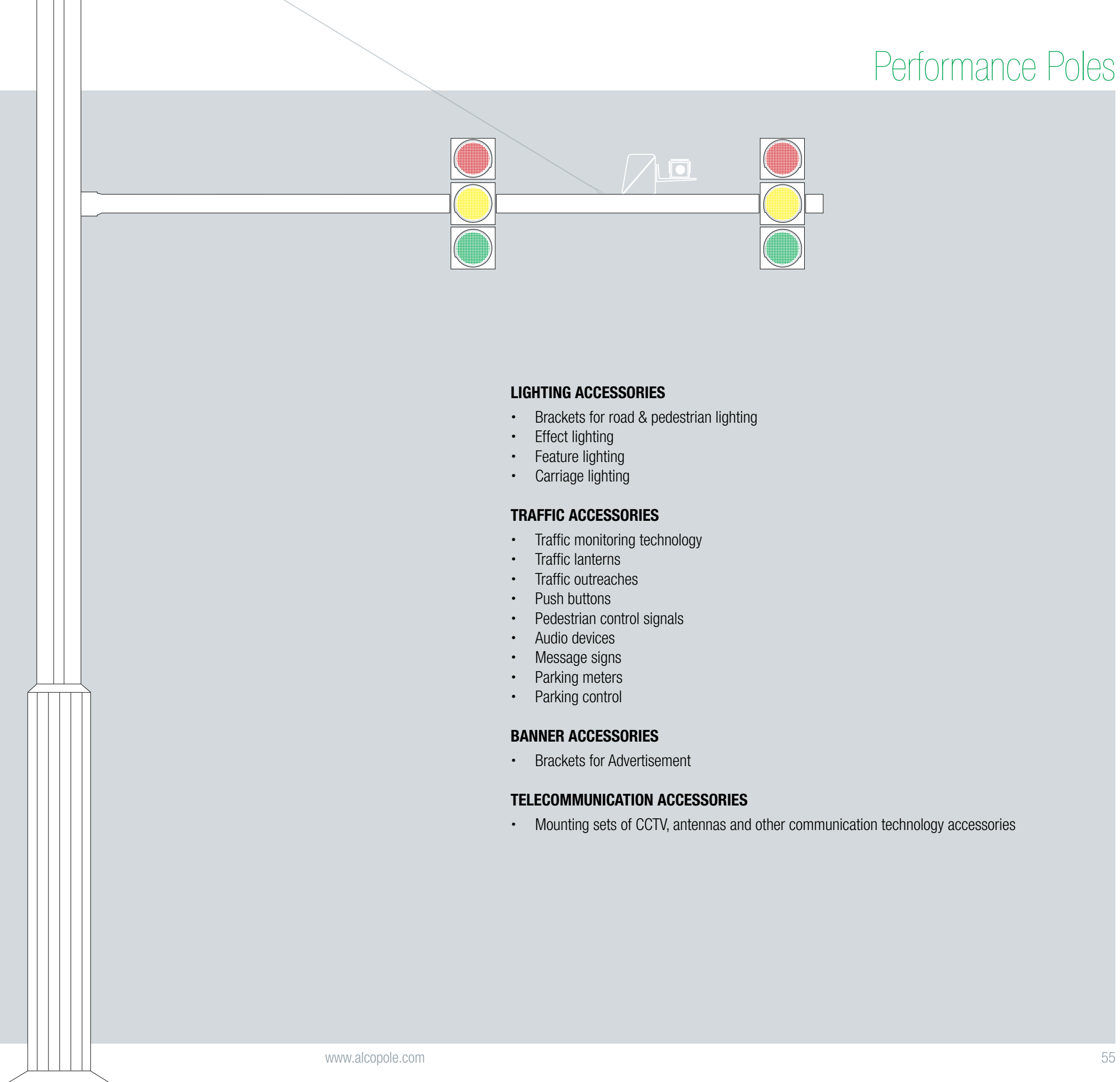
Performance poles are modular pole systems providing flexible and cost effective solutions for everything from street lighting to traffic signaling; from telecommunication to urban furniture. The Performance Pole is designed to contribute for the improvement of street framework and architectural needs. The extruded aluminum pole enables mounting of accessories along its length at any height and position.



PRODUCT CODE	HEIGHT H	BASE DIAMETER A	TOP DIAMETER B	ANCHORAGE CODE *
PAFF.002.040.134	4000	200	154	90FJ006
PAFF.002.050.134	5000	200	154	90FJ006
PAFF.002.060.134	6000	200	154	90FJ006
PAFF.002.070.134	7000	200	154	90FJ006
PAFF.001.080.180	8000	247	226	90GJ007
PAFF.001.100.177	10000	247	226	90GJ008
PAFF.001.120.177	12000	247	226	90GJ009
PAFF.001.140.177	14000	247	226	90GJ010

* Refer pages 70-71 for anchorbolt and foundation details.





ADDITIONAL INFORMATION

Modular pole system provides flexible and cost effective solutions along with street lighting, and for traffic signaling, telecommunication, urban furniture, etc. The system offers multi functionality in urban network planning.

Performance pole is an innovative system developed by Alcopole. Performance pole is designed to contribute to the environment to improve the unique street framework and architectural needs.

Performance pole is a multifunctional system suitable for simple and efficient accessory attachment.

The extruded aluminum pole enables mounting of accessories along its length at any height and position.

Performance pole system accommodates a variety of accessories as per project theme.

LIGHTING ACCESSORIES

- Brackets for road & pedestrian lighting
- Effect lighting
- Feature lighting
- Carriage lighting

TRAFFIC ACCESSORIES

- Traffic monitoring technology
- Traffic lanterns
- Traffic outreaches
- Push buttons
- Pedestrian control signals
- Audio devices
- Message signs
- Parking meters
- Parking control

BANNER ACCESSORIES

- Brackets for Advertisement

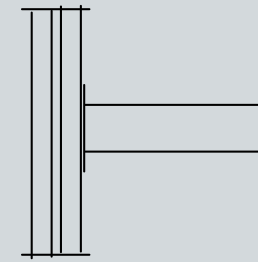
TELECOMMUNICATION ACCESSORIES

- Mounting sets of CCTV, antennas and other communication technology accessories

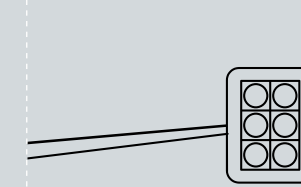
FEATURES

- A wide range of pole heights and outreach arms that meet the lighting requirements,
- Multifunctional feature in accordance with the street and urban lighting requirements,
- Performance pole is engineered to adopt future accessory additions for integration and full fill the functionality,
- Lighting column from extruded aluminum with an internal structure of hot dip galvanized steel core,
- Removable lower cladding from extruded aluminum,
- Four channels allow mounting of various accessories at any height and distance,
- Available with flange plate mounting,
- Suitable for post top mounting or side entry,
- Compatible with a range of amenity, road and floodlight brackets,
- Available with or without a spigot,
- Available with the access door,
- Available from 4 to 14m,
- Rust free,
- Long life span,
- Eco-friendly,
- No maintenance required because of the natural characteristics of aluminum,
- Anodized or powder coat finish.

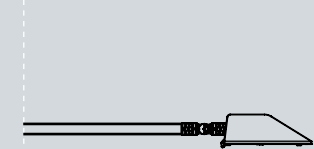
Street Sign



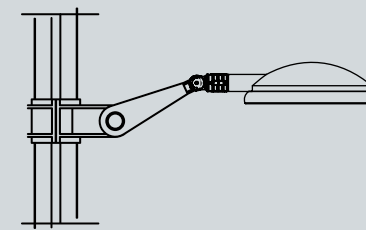
Traffic Lantern Outreach



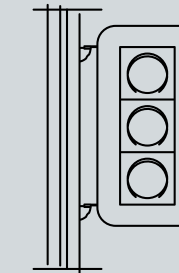
Lighting Outreach



Pedestrian Lighting



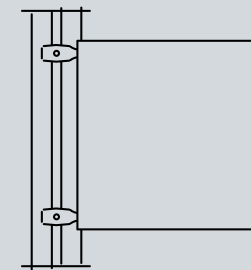
Traffic Lantern



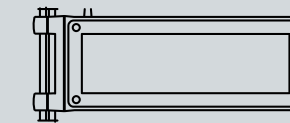
i-banner / e-banner



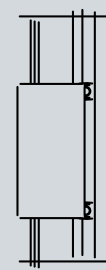
Long Arm Sign



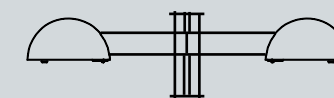
VMS / VTS



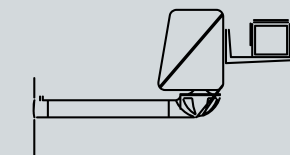
Telecommunication Cabinets



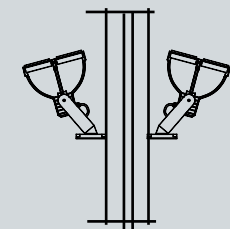
Car Park Lighting



CCTV



Flood Lighting





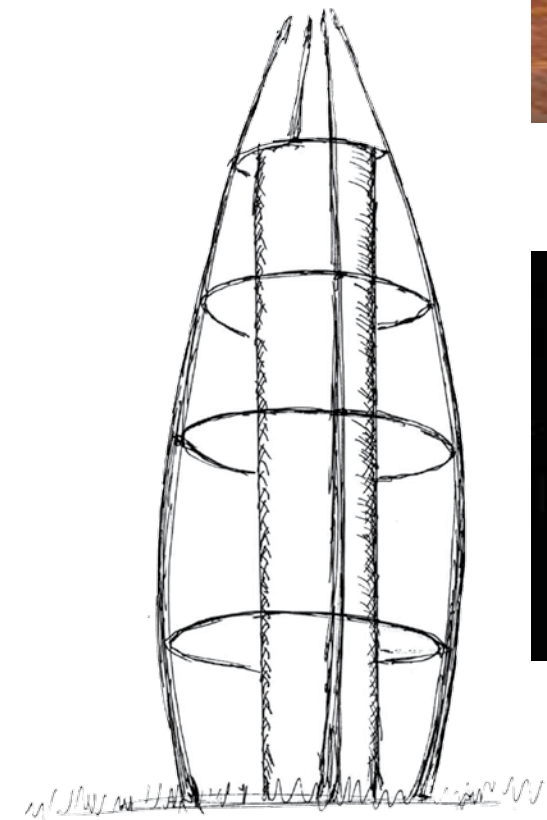
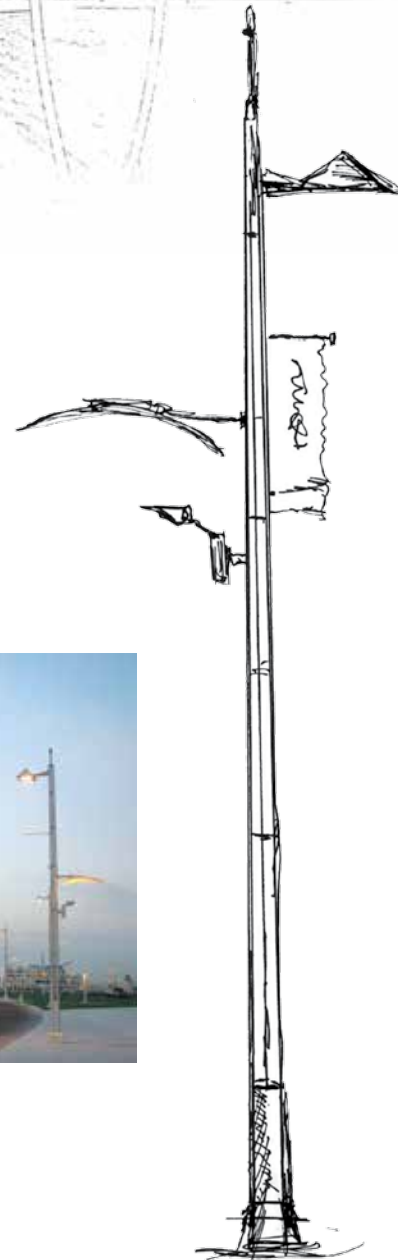
creative solutions

The aluminum allows us to develop new pole designs and amplifies the aesthetic possibilities by maximizing function while improving visual appeal.



CUSTOMISED DECORATIVE PROJECTS

Alcopole can offer customised poles thanks to its experienced design team and market experience. Alcopole's design team has knowledge and creativity at your disposal to support you in order to fulfill design needs of your customers.











long life

Aluminum structures will provide reliable service for decades. Aluminum has been realized with incredibly long life cycle when compared to alternative materials by consolidated technologies of material, product design and production.



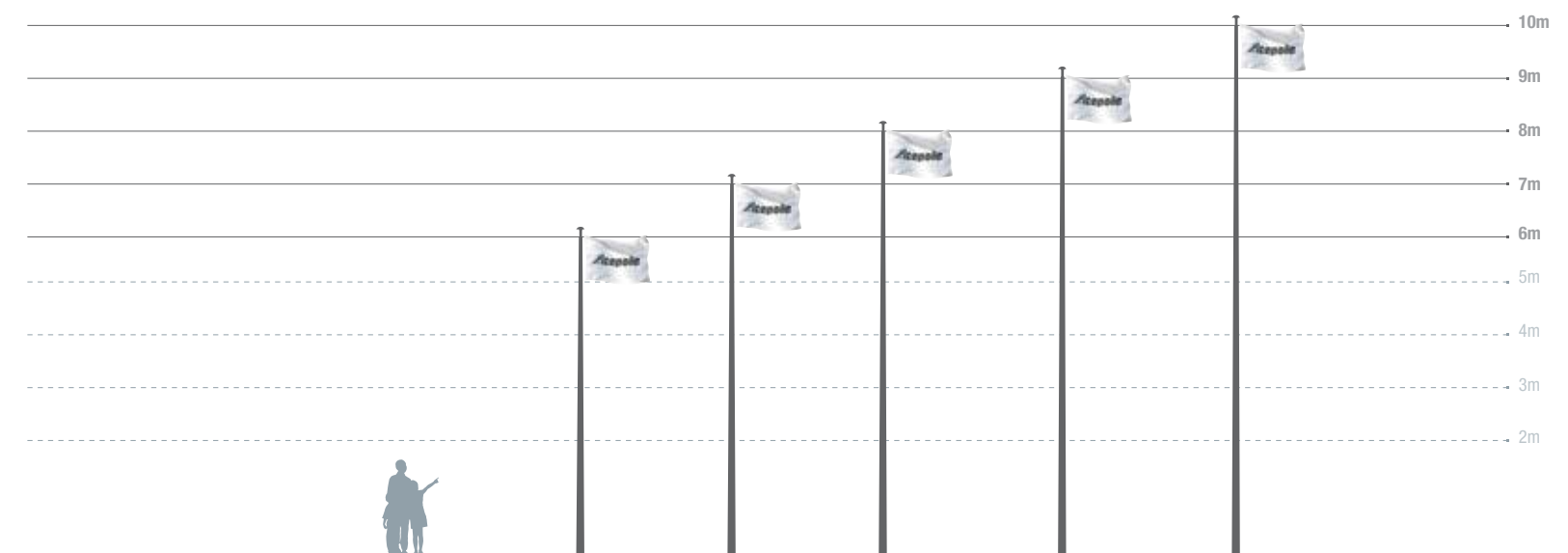
FLAG POLES

The prestigious companies use flags that seamlessly combine style with a good visibility. Flags add a significant value to your marketing communication. Correct flag pole made of aluminum with a good appearance is essential for achieving the style.



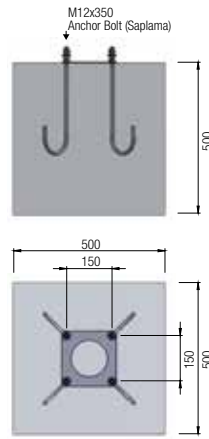
HEIGHT	BASE DIAMETER	TOP DIAMETER
6	135 / 148	60 - 76
7	135 / 148	60 - 76
8	135 / 148	60 - 76
9	165	76 - 90
10	165	76 - 90

Alcopole offers flag poles that make you better known in a stylish manner. Every Alcopole product is top-quality product that will meet and exceed your expectations. Alcopole's manufacturing unit equipped with a quality control team offers best solution to its customers.

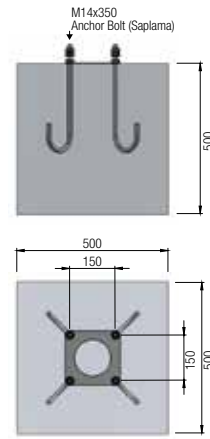




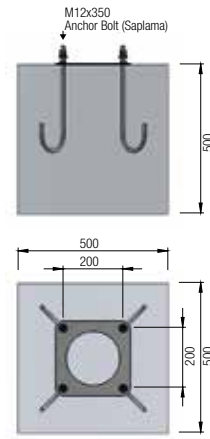
90AJ001



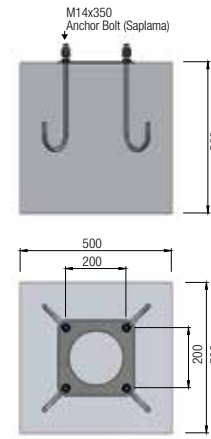
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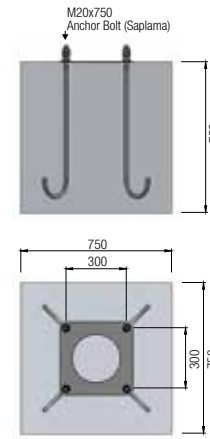
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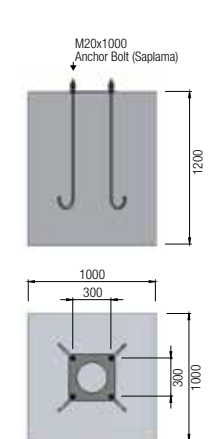
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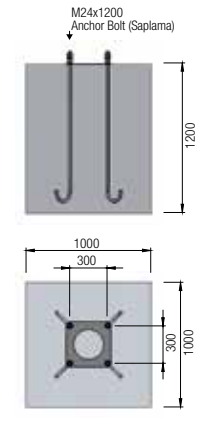
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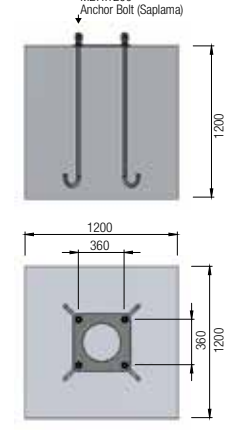
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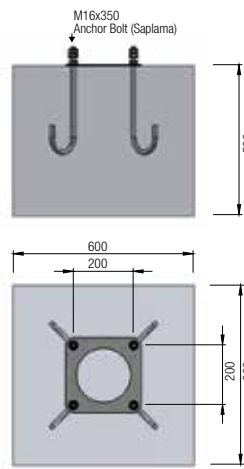
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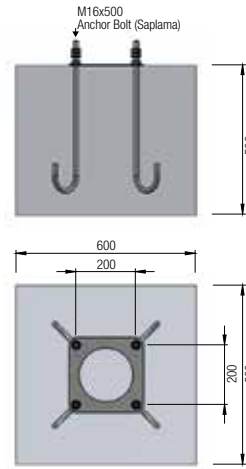
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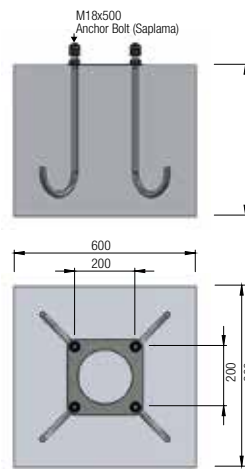
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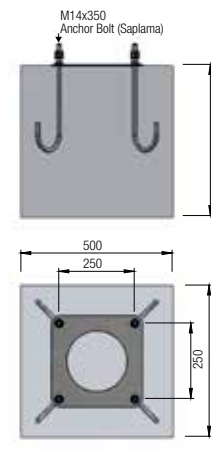
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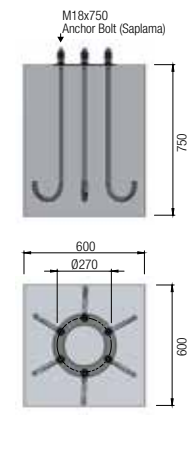
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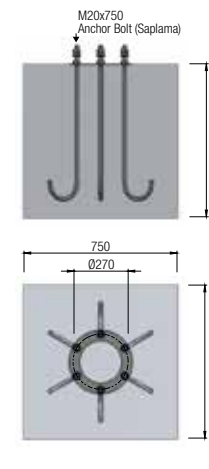
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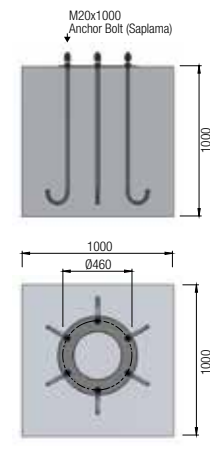
90FJ006



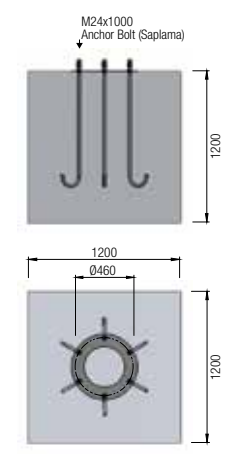
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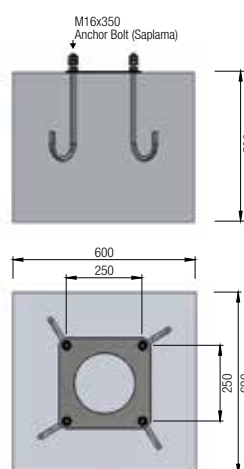
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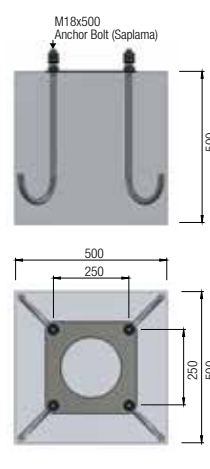
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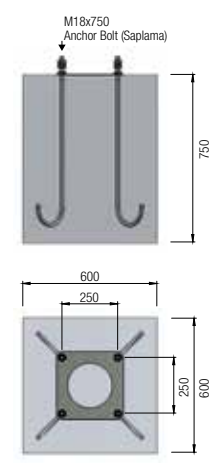
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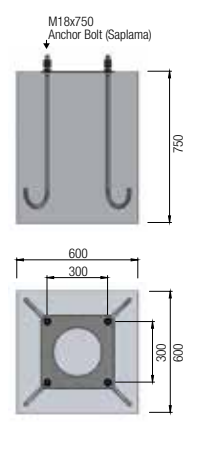
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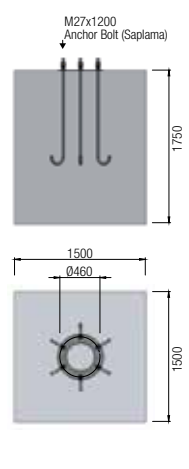
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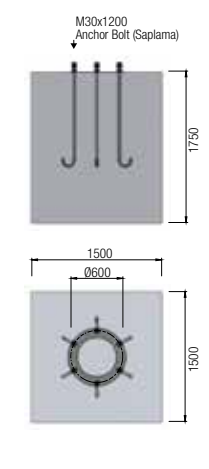
90DJ006



90IJ012



90IJ013





001



002

LED Caps

Pole tops can be decorated with led caps. They are available in different colors. They enhance the beauty of aluminum lighting pole.

CODE	MOUNTING SIZE (mm)
LED Cap 001	60, 76, 90
LED Cap 002	60, 76, 90

LED Caps can contain 2 or 3 LEDs according to demand. LED Caps are simply sealed into the pole top.

They can be used for decorative purposes where needed.

Cut Outs



CO-01



CO-02



CO-03



CO-04



CO-05



CO-06





HPR ENDÜSTRİ A.Ş.

Başkent OSB 22. Cad. No:2 Malıköy, Temelli, Sincan 06909 Ankara / TÜRKİYE

T: +90 312 267 35 00 (pbx)

+90 312 640 11 97 (pbx)

F: +90 312 267 54 31

sales@alcopole.com www.alcopole.com

