

A-flex luminous flexible bollard with LEDs on top of low consumption 12v, the bollards A-FLEX hoses are made of plastic polyurethane.

Flexible bollard ideal for places that do not require embedment with bottom plate 160x160 mm., after receiving an impact they return to their shape and original position overcoming a flexion of 2000 cycles at 90° without any crack appearing no deformation. Being a bollard / bollard practically indestructible. Fixation by 4 metal studs (not included).

Bollard that offers great illumination on the road public with very low electrical cost.

Bollard ideal for lighting paths, areas pedestrian, gardens, entrances, parks, ...

STANDARD FINISHES:

Black + white leds **Ref. PFLEXHNPLB**

Black + red leds **Ref. PFLEXHNPLR**

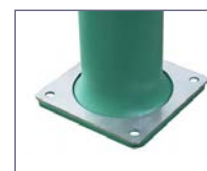
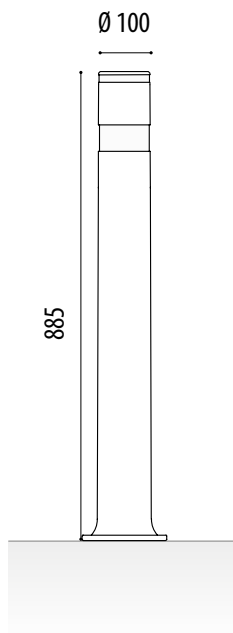
OPTIONAL:

- Steel upper reinforcement plate stainless steel for a better fixation to the ground. **Ref. PLFLEX**
- Double reflective strip.
- Possibility of choosing different colors of RGB LEDs as well as patterns and operating sequences.

MEASURES:

Diameter: ø 100 mm.

Total height: 885 mm.



Base detail with stainless steel reinforcement. **Ref. PLPFLEX**










OPTIONAL:

- Screws for concrete:
Dowel ø 11. - **Ref. T11L**
- Screws for asphalt / panot:
Dowel ø 10. - **Ref. T10X135**





A-FLEX BOLLARDS ADVANTAGES:

-  Virtually unbreakable.
-  100 % recyclable.
-  Not painted. No rust. Maintenance-free.
-  Memory bollard; in case of impact, it returns to its original shape and position.
-  High resistance to many solvents, oils and greases.
-  Excellent impact resistance and flexibility on a wide range of temperatures.
-  High resistance to abrasion.
-  Pleasant to touch.
-  Aesthetically identical to metal bollards.



A-FLEX BOLLARDS CERTIFICATES:

1. Certificate Appls IDIADA impact-proof bollard A-Flex head (HIC).



Obtained result in test are less than <math><650</math>. A-Flex is lees than 216 (slight rating).

2. Certificate Appls IDIADA impact-proof bollard A-Flex body (AIS).



Obtained results show a level of accelaration of the body which relates with a possibility of suffering from a damage is AIS3 of <math><10\%</math>.

3. Certificate of overcoming a deflactation of 2000 cycles at 90°



They were realized more than 2.000 cycles of flection without appearing any line in the surface of the bollard and coming back to its original position after suffering a strenght which had flexed in to the 90°.

4. Certificate impact-proof from a vehicle at more than 80 km/h.

Impact from a vehicle at more than 80 km/h against the A-Flex bollard without being damaged.



5. Certificate of Resistance to fire Clase E.

This classification was realized according to what explained in the Norm UNE-EN 13501-1:2007+A1:2010: "Classification of the behaviour facing fire for the products to be built of the elements for edification".



6. Certificate of compliance Reach.

A-Flex bollards manufactured with materials according to the strict normative REACH (U.E.) at european nivel, they are free from heavy, polluting materials and damaging substances.



7. Certificate CE.



A-Flex bollards meet the general Directive of products in the European Community according to the norm 2001/95/CE, R.D. 1803/2003.