

Product Name

PERLA

Designer

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Company Name

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**Referring contact
for possible exposition in April**

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Description of innovation social values

- product category
- formal and functional features
- problems solved by innovation
- user
- field of application

Product category: exterior/public lighting.

Formal and functional features: aesthetic design, creation of ambiance, numerous asymmetrical light distributions, variable intensity and flexible programming.

OUTSTANDING DESIGN AND INTELLIGENT LIGHTING FOR THE CITY

The Perla's sober and pure line plays an important aesthetic role both by day and by night. By day, the luminaire's curve allows the sky and the architectural environment to peek through. By night, the LEDs in a circular form give life to a ring of light that floats in the darkness of the city. The blue LEDs further accentuate this presence. The use of LEDs permits low height installations (4 meters) under foliage, without generating light that is intrusive for the inhabitants of buildings.

Problems solved by innovation: fulfil public lighting standards with aesthetical value, low energy consumption and long term performance.

With Schröder's wide range of IntelliFlex solutions, your lighting scheme becomes intelligent. Our system approach allows to use light in the smartest way with the right level, in the right place and the right moment. You save energy, lengthen the life of your lighting installation, reduce maintenance costs, enhance comfort and increase safety. The Perla luminaire can operate with a scheduled dimming system, a Constant Light Output (CLO) or a complete remote Owllet management system. It can also be equipped with a motion detection unit.

User: City inhabitants.

Fields of application: Squares and pedestrian areas, parks, urban roads and streets, residential streets, car parks, bike paths.

Description of technical features

- operations
- technology

Tightness level: Optical compartment IP 66 (*)

Control gear IP 44 (*)

Impact Resistance (PC) IK 09 (**)

Nominal voltage 230V - 50Hz

Electrical class I or II (*)

(*) according to IEC - EN 60598 (**) according to IEC - EN 62262

Weight 8kg

Materials: Body Painted aluminium

Protector Impact resistant, anti-UV polycarbonate

Colour AKZO black 200 sanded, AKZO grey 900 sanded, Soprano 5 silver, Annapurna white

Dimensions

Diameter 660mm, height 322mm

Materials

Body Painted aluminium

Protector Impact resistant, anti-UV polycarbonate

Certifications

ENEC

Benefits for environment

FLEXIBLE SCHEDULED DIMMING

The 5-level dimming programme ensures that you can adapt the lighting level to the needs of the place and time.

By using light when and where it is necessary, with your own scheduled dimming program, you can easily achieve energy savings of over 25%.

Benefits for human being

A perfectly controlled light distribution with visual comfort for visitors: the white light of the LEDs provides a warm colour temperature and optimal visual comfort at night to create a convivial atmosphere.