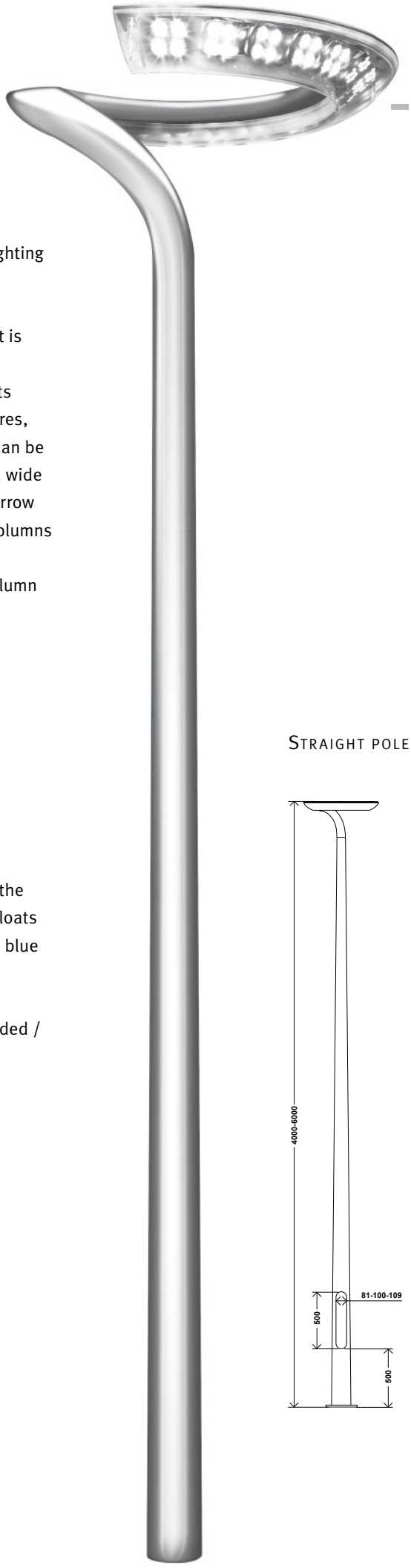

PERLA
LED
LED
Schréder Group GIE


PERLA
LED
KINEPOLIS

4 - 6m



DIFFERENT AND INTELLIGENT LIGHTING FOR THE CITY

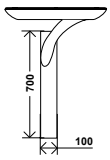
The Perla luminaire offers an intelligent LED-based lighting system.
The use of LEDs permits low height installations (4 metres) under foliage, without generating light that is intrusive for the inhabitants of buildings.
Depending on the chosen photometry, the Perla meets the necessary requirements for lighting streets, squares, parks and even roundabouts. With a rear bracket, it can be installed, when necessary, to light a service road or a wide pavement. The wall bracket can be chosen to light narrow streets or any space where the presence of lighting columns is not permitted.
The control gear is located in the support (lighting column or wall bracket).

A PRECIOUS RING IN THE URBAN NIGHT

The Perla's sober and pure line plays an important aesthetic role both by day and 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. With the dynamic version, blue LEDs further accentuate this presence.

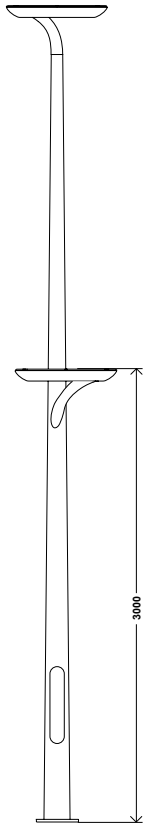
Colour: AKZO black 200 sanded / AKZO grey 900 sanded /
Soprano 5 silver / Annapurna white
Any other RAL or AKZO colour upon request

Wall bracket

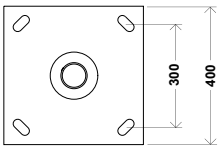


Straight pole

Pole with rear bracket



Mounting base



Other mounting configurations upon request

PERLA

LED

Design: Michel Tortel

CHARACTERISTICS – LUMINAIRE

LED optical compartment tightness level:	IP 66 (*)
Electronics compartment tightness level:	IP 44 (*)
Impact resistance (PC):	IK 09 (**)
Nominal voltage:	230 V - 50 Hz
Electrical class:	I or II (*)
Weight:	8 kg

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

LEDs TO MAKE A DIFFERENCE

The original aesthetic design of the Perla luminaire is a triumph of sobriety and elegance for the intrinsic performance of an intelligent lighting system based on the use of LEDs.
The luminaire's curve is perfectly designed to satisfy the LEDs' very directional luminous beam. Given the Perla's circular design, the luminous flux can be directed exactly where it is needed and with the intensity desired.
The Perla is available with two electronic configurations: static or dynamic LED lighting. In both cases, the optical compartment consists of 64 high-power white LEDs (48 in the "bracket" version) distributed over 16 modules that are independently oriented and tilted depending on the type of light distribution required.
The Perla stands out due to a remarkable colour temperature, an excellent uniformity of illuminance and optimal visual comfort.
The Perla luminaire has an aluminium body and an impact resistant, anti-UV injected polycarbonate protector.

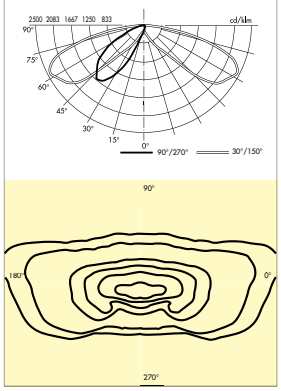
LIGHT SOURCES

High-power white LEDs	
Type	Cree XR-E
Power	1,2 W
Number of LEDs	64
Colour temperature	3500 K (warm white)
Luminous efficacy(*)	87 lm/LED

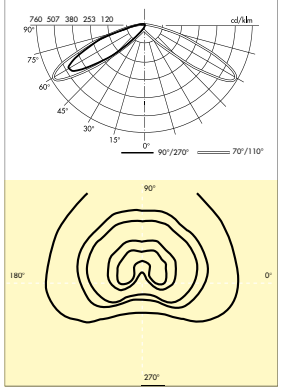
(*) The type of LED used may be changed in accordance with the continuous and rapid developments in LED technology. In order to follow the progress of the luminous efficacy of the LEDs used in the Perla, please visit our web site.

LIGHT DISTRIBUTION

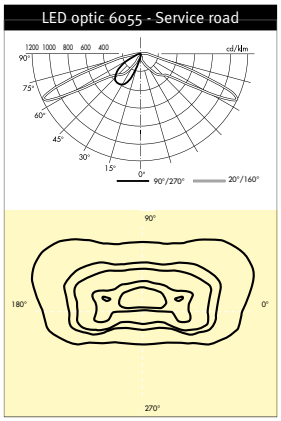
LED optic 6016 - Street



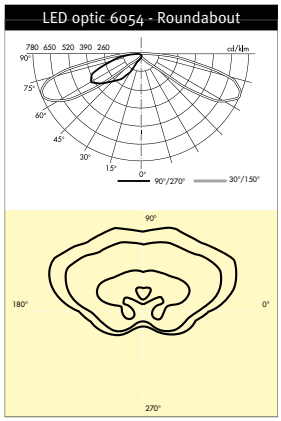
LED optic 6075 - Public square

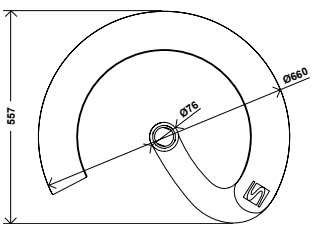


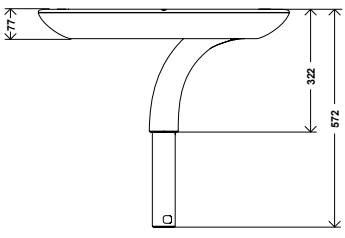
LED optic 6055 - Service road



LED optic 6054 - Roundabout







PERLA LED LIGHTING

DYNAMIC LIGHTING, THE RIGHT LIGHTING

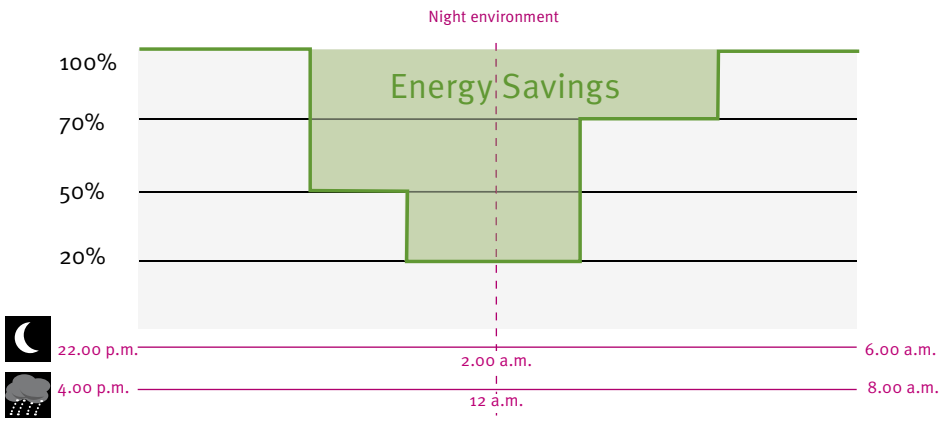
The Perla luminaire is offered with two different control options. The lighting can either be static or dynamic. In the latter case, each lighting point is equipped with electronics offering great flexibility of use. The dynamic version is also equipped with blue LEDs that accentuate the luminaire's nocturnal presence.

VARIABLE INTENSITY

In the dynamic version, the 64 white LEDs are dimmable.
Unlike with classic sources, the intensity of the LEDs varies instantaneously, without loss of luminous efficacy.

SCHEDULED, FLEXIBLE PROGRAMMING

Each luminaire can be individually programmed with 4 timed intervals while taking into account the variable duration of night.
This programming is pre-recorded.
Adjustment of the levels can be carried out on site, for example depending on the reflective characteristics of the road surface.
The dynamic configuration of the LEDs constitutes an energy saving element. Furthermore, a lower level of operation results in an increase in the lifetime of the electronic components.

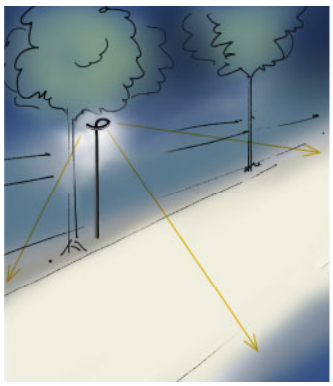


REMOTE MANAGEMENT AND MOVEMENT DETECTOR

It should also be noted that the electronic controls come supplied with a remote management facility.
An optional movement detector can provide a complementary tool for even more effective rationalisation of energy consumption.

LEDs FOR INSTALLATION AT LOW HEIGHT

Given their intrinsic characteristics, LEDs permit a lower installation height. Lighting can thereby be installed under the foliage of trees, which is not possible with classic lighting.



PRECISE AND FLEXIBLE PHOTOMETRY

LEDs equipped with specific lenses offer a very directional flux and make it possible to perfectly control the desired light distribution. The Perla's 64 LEDs are distributed over 16 modules oriented and tilted according to the type of photometry.
The curved design of the optical compartment ideally meets the requirement of lighting correctly according to the desired levels and intensities.
In the dynamic version, several blue low-power LEDs integrated into the optical compartment accentuate the luminaire's design and nocturnal presence.

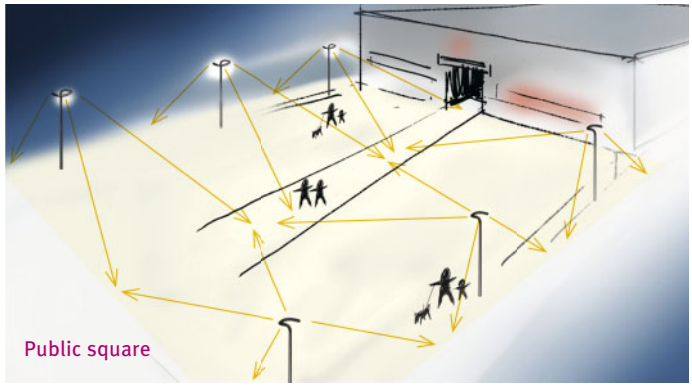
The Perla luminaire offers 4 photometric variants:

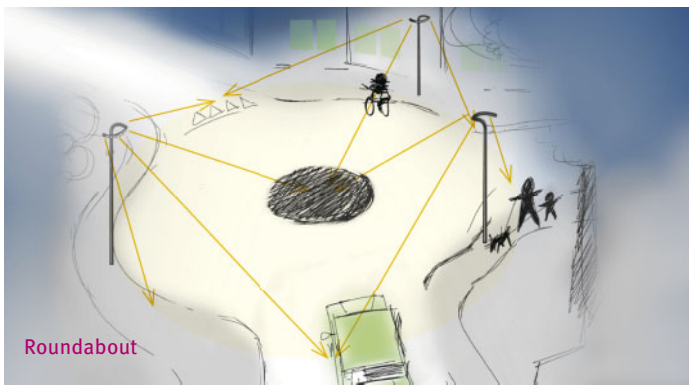
Street: photometric distribution suited to lighting public roads, streets and lanes.

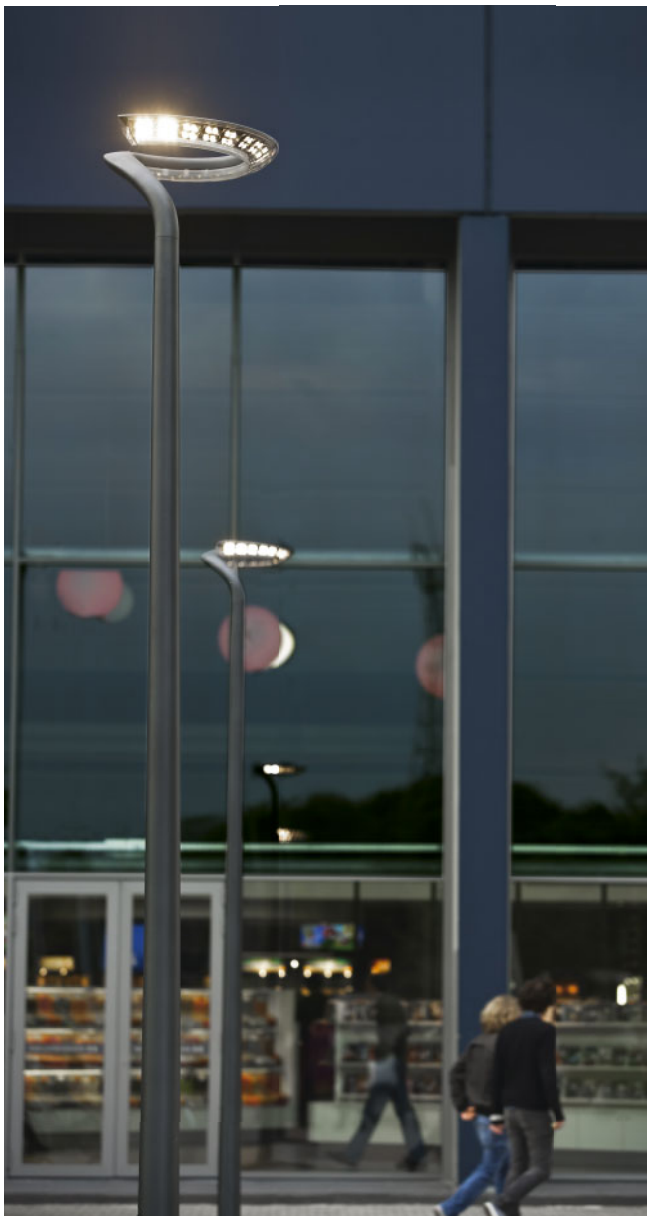
Public square: photometric distribution designed for lighting squares, parks, car parks, etc.

Service road: this variant applies to the "rear bracket" and "wall bracket" versions that are installed at an intermediate height for lighting alleys, pavements or service roads.

Roundabout: photometric distribution developed specifically for lighting urban roundabouts.







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LED LIGHTING

by Schréder

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