

## Public Light small LED - Bollard & Lamp Post

Functional perfection and aesthetic quality (patent & registered design)



**Public Light small is available with highly energy efficient, longlife Power LED with only 5W.**

**With Public Light small, BURRI developed a light system, which capitalises on cutting-edge lighting technology, reduces the maintenance costs and blends into any environment due to its simple elegance. Maintenance and cleaning requirements remain at a minimum due to the high-quality materials, high degree of self-cleaning of the lighting cylinder and durable electronic components.**

**High efficiency and low Life cycle costs with LED's**

New Power-LED with perfect optics guarantee optimum light dispersion with only 5W. The LED's are available in 3000K warm light and 4000K white light.

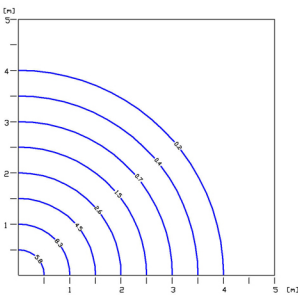
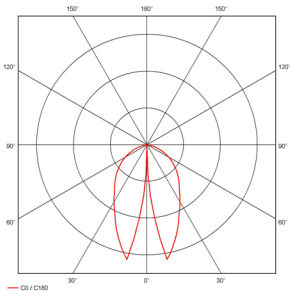
**Low maintenance due to intelligent details**

A novel locking mechanism with only one clutch head screw in the cover permits quick and easy access to the light. Use of a specialist key by the customer prevents theft or misuse. This locking screw transfers a high pressure onto the light cylinder via the cover. That way the lighting attachment obtains very high stability and resistance to impact without the usual weak spots. Insects and spiders have no contact surface on the light cylinder. In addition, supporting tube and cover are specially anti-graffiti coated.

Feeder cable and light fixing are connected with a plug. Thus the electronic element can be removed by releasing only 2 screws. This simple idea saves having to replace and rewire the electronics on site.

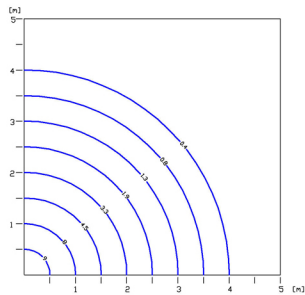
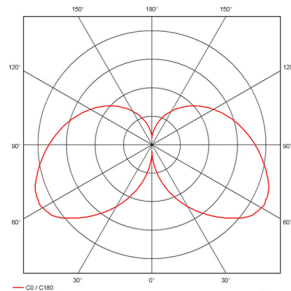
**1 a**

Public Light small LED 1,15 m  
Poller - Reflektor  
Bollard- reflector



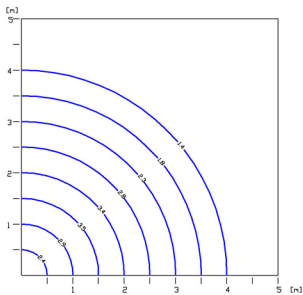
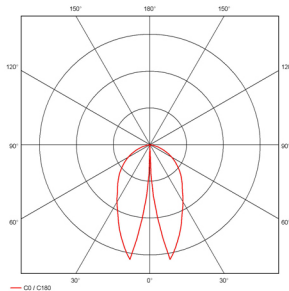
**2 a**

Public Light small LED 1,15 m  
Poller - opaler Leuchtzylinder  
Bollard - opal light cylinder



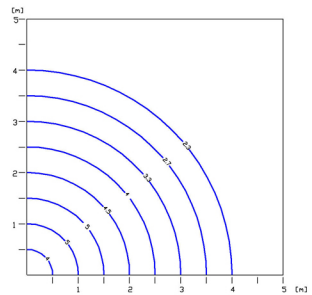
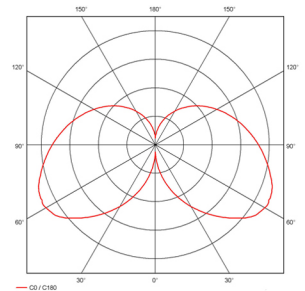
**1 b**

Public Light small LED 2,45 m  
Lichtmast - Reflektor  
Lamp post - reflector



**2 b**

Public Light small LED 2,45 m  
Lichtmast - opaler Leuchtzylinder  
Lamp post - opal light cylinder



**Public Light small LED 5W**  
**Incident light readings**  
- polar diagram/C-plane measurement  
- isolines, ground  
Aging and maintenance factor have already been incorporated.

**Light data**  
Overall system output: 6W  
Diameter: 90mm  
Height: 410mm

**Equipment**  
6 Power LED with special optics  
Output: 5W  
Colour in Kelvin:  
A) 3000K warm white  
B) 4000K white  
Power supply unit AC/DC 25W/24V

**1**  
**Public Light small LED Reflector**  
Maximum reduction of light pollution

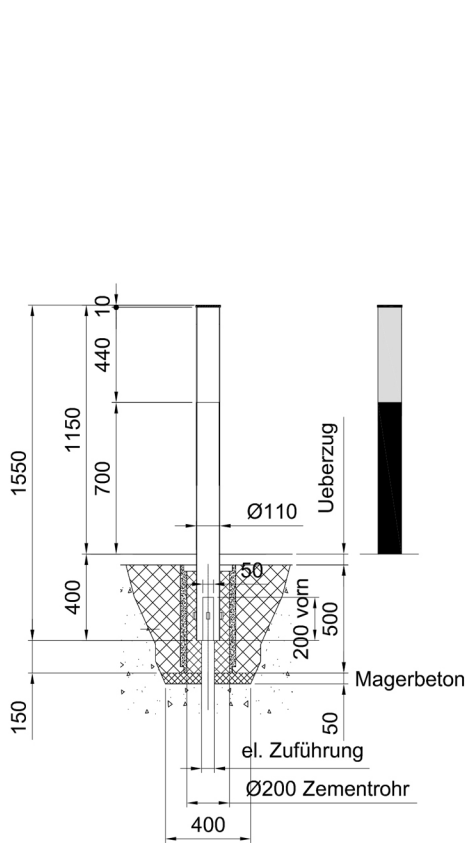
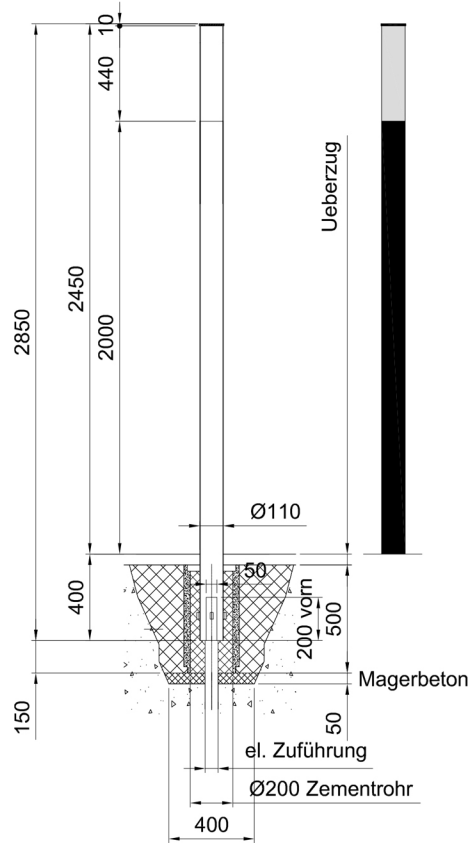
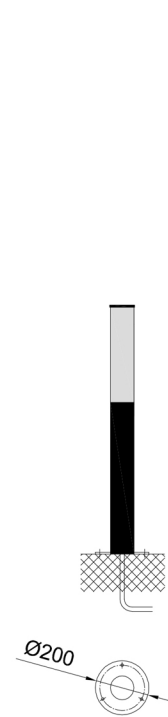
**1a**  
Bollard - reflector LED  
1.15 m  
**1b**  
Lamp post - reflector LED  
2.45 m

The LED's are placed on the top of the light cylinder, shining down. Direct upward light and thus light pollution with the reflector is eliminated. The specially developed internal stainless steel reflector with integrated diffuser disperses the light ideally onto the ground. Through the reflection of the ground reflector flaps the faces of passers-by, nevertheless, remain visible.

**2**  
**Public Light small LED Opal lightcylinder**  
High degree of dispersion and high efficiency

**2a**  
Bollard LED - opal light cylinder  
1.15 m  
**2b**  
Lamp post LED - opal light cylinder  
2.45 m

The LED's are placed on the top of the light cylinder, shining down. Direct upward light and thus light pollution with the opal cylinder is minimized.

**1****2****3****1**

**Public Light small 1.15 m**  
Bollard with light cylinder 44 cm

**Electric fittings:****A) LED 5W**

power supply unit AC/DC 25W/24V

A1) 3000K, warm white

A2) 4000K, neutral white

**Bollard 1.15 m reflector**

- stainless steel reflector with integrated diffuser
- clear light cylinder
- electronic element with plug
- Top level of light above finished ground level: 1.15 m
- ground fixing in ground: 0.40 m
- overall length: 1.55 m
- light cylinder: 0.44 m

**Bollard 1.15 m opal light cylinder**

- opal light cylinder
- electronic element with plug
- Top level of light above finished ground level: 1.15 m
- ground fixing in ground: 0.40 m
- overall length: 1.55 m
- light cylinder: 0.44 m

**2**

**Public Light small 2.45 m**  
Lamp post with light cylinder 44 cm

**Electric fittings:****A) LED 5W**

power supply unit AC/DC 25W/24V

A1) 3000K, warm white

A2) 4000K, neutral white

**Lamp post 2.45 m reflector**

- stainless steel reflector with integrated diffuser
- clear light cylinder
- electronic element with plug
- Top level of light above finished ground level: 2.45 m
- ground fixing in ground: 0.40 m
- overall length: 2.85 m
- light cylinder: 0.44 m

**Lamp post 2.45m opal light cylinder**

- opal light cylinder
- electronic element with plug
- Top level of light above finished ground level: 2.45 m
- ground fixing in ground: 0.40 m
- overall length: 2.85 m
- light cylinder: 0.44 m

**Standard mounting:**

in concrete tube ZR 20 cm / length 50 cm  
Select flexible feeder cable on-site, length approx. 1m.

**Special mounting:**

With circular or rectangular base plate, to be bolted onto foundation or base plate.  
Select flexible feeder cable on-site, approx. 1m.



**LED Kit replacement:**

- Release locking screw with specialist key
- take off cover
- remove acrylic cylinder
- For reflector model:  
remover reflector
- Slightly loosen two screws on light insert
- twist insert and extract
- unplug
- assemble new LED light fixing in reverse order

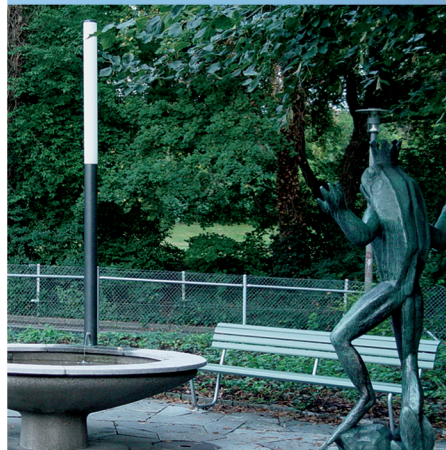
The light insert can then be fitted with a new power supply unit or LED unit in the workshop.

## Public Light LED

Energy efficiency for the outdoor space (patent & registered design)

### Bollards & lamp posts - LED in perfection

Lighting bollards and lamp posts for the outdoor space can be found in many varying designs. The lights have advanced less in regard to their energy efficiency and function. Even though, outdoor lights make particularly high demands on maintenance, resistance to vandalism and upkeep. During the development of BURRI Public Light LED the key criteria were: energy efficiency, optimum light distribution, radical reduction of "light pollution", resistance to insects and vandalism, minimum maintenance requirements and the aesthetics of the light cylinder with and without reflector. Under these specifications, with Public Light LED, BURRI developed a light, which capitalises on cutting-edge lighting technology, reduces the maintenance costs and is suitable for diverse architecture and environments due to its simple elegance.



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## project partner(s)



### Sound design with high functionality

*Optimum co-operation with designer, lighting engineers and manufacturers*

Public Light was refined in 2009 with the designer Beat Karrer and specialised LED lighting engineers. The aim was highest energy efficiency with optimum light distribution, high efficiency and lowest possible light pollution. The light dispersion of the reflector with LED shows maximum reductions of the light pollution upwards. The light dispersion of the opal light cylinder resembles the dispersion of the FL-tube model with reflector.

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## technical innovation



### Improved range of applications due to multifunctional solution

*Minimum light pollution upwards with and without reflector*

The internal stainless steel reflector with integrated diffuser distributes the light optimally across footpaths and in the useful range of the light, respectively. Direct upward light and thus light pollution is largely eliminated. With the LED solution the light shines from the top down and prevents light pollution upwards, even with the opal cylinder. Through the reflection of the ground reflector flaps, faces of passers-by, nevertheless, remain visible. The locking mechanism with only one clutch head screw in the cover permits quick and easy access to the light. Use of a specialist key by the customer prevents theft or misuse. This locking screw transfers a high pressure onto the light cylinder via the cover. That way the lighting attachment obtains high stability and resistance to impact without the usual weak spots.

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## economic efficiency



### Standard components and high-quality materials

*Investment security, an issue for public and private clients*

BURRI cultivates sustainability and energy efficiency even for 'small' solutions. They make an important contribution to the long-term profitability of the overall project. Light fitting and reflector are made from stainless steel. The standard components can be replaced easily due to the special lock. The feeder cable is connected with the light fixing inside the bollard through a plug. Thus the electronic element can be removed by releasing only 2 screws. This simple idea saves having to replace and rewire electric parts on site. The LED power supply is IP67, the electronic ballasts for all types are packaged in an IP65 insulating box to protect them from corrosion and variations in temperature. BURRI guarantees long-standing readiness to deliver spare parts with short delivery times for all of its products.