



**Rippling M 120 bollard**  
**1 LED - 2700K - Diffuse**

|                    |              |
|--------------------|--------------|
| Source power type  | 1 LED        |
| Colour temperature | 2700K        |
| CRI                | >90          |
| MCADAMS            | 3            |
| LM 80/TM-21        | L80B10@>60Kh |

|               |         |
|---------------|---------|
| Plug-in power | 10,50 W |
| Real flux     | 390 lm  |
| Beam angle    | Diffuse |

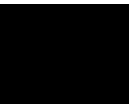
|              |        |
|--------------|--------|
| Source power | 9,00 W |
| Nominal flux | 690 lm |

|                           |                          |
|---------------------------|--------------------------|
| Power Supply Unit         | 220 ÷ 240V               |
| Operating frequency       | 50/60 Hz                 |
| Dimmable                  | Non dimmerabile          |
| Safety class              | II                       |
| Wiring                    | External                 |
| Number and conductor size | 1.0000 mm <sup>2</sup>   |
| Cable length              | 700,00 mm                |
| Cable type                | PCP rubber               |
| Connector                 | To be ordered separately |

|                   |      |
|-------------------|------|
| Protection Rating | IP65 |
| Breaking Strength | IK06 |

|                    |           |
|--------------------|-----------|
| Diffuser thickness | 3.0000 mm |
|--------------------|-----------|

**Finishes**



.01 Black



.08 Anthracite

**Finishes available upon request**



.02 White



.04 Green Forest



.05 Rose Ballerina



.06 Grey

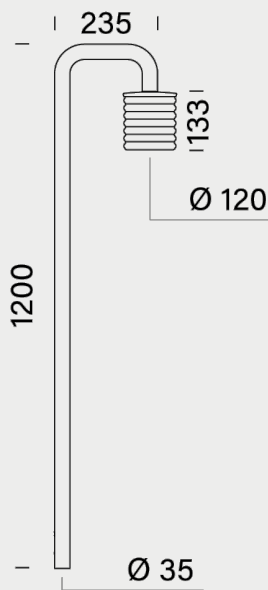


.07 Corten



.09 Bronze

**Technical dimensions**



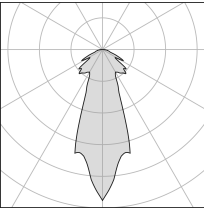


The light spreads like small waves on a lake. The delicately sinuous surface is a tribute to craftsmanship. The textural quality of the hand-worked Venetian glass, with the barely perceptible irregularities from the mouth-blowing process, makes each Rippling fixture unique. The collection of lamps creates an elegant interaction of reflections, light, and shadows, resulting in a performance that's always new and different.

**Product features**

Body in primary aluminum alloy. Post and base fixing made of AISI 304 stainless steel, CNC machined. High-strength blown glass diffuser. Optical system consisting of high-intensity COB LEDs, with a color rendering index greater than 90. No visible screws. Subjected to galvanic anodizing treatment divided into distinct phases: mechanical satin finishing, surface degreasing, anodic oxidation and final sealing. The product is painted following a continuous two step paint process (epoxy-based primer + polyester-based colour finish), which allows to generate a single thick protective coating which then generates a protective barrier against atmospheric agents and UV rays. Before fixing the diffuser on the Platek products a Pre-treatment using an atmospheric pressure plasma process is carried out on the surface. The process activates the ionic load on the surface exactly where it is needed, thus promoting the best silicone grip possible and removing any residual release of agents for a longer lasting seal. The next steps are the coating of silicone and the assembly of the diffuser on the lighting fixture, with an automated process to guarantee the perfect sealing of the lamp.

**Lighting information**

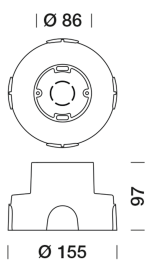


| Flow / Power Graph |         |
|--------------------|---------|
| Beam angle         | Diffuse |
| <hr/>              |         |
| Plug-in power      | 10,50 W |
| Real flux          | 390 lm  |
| <hr/>              |         |

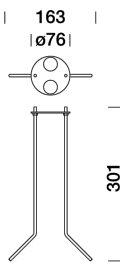
**Technical shipping information**

|                  |         |
|------------------|---------|
| Net weight       | 3,00 kg |
| Gross weight     | 3,80 kg |
| Packaging width  | 1560 mm |
| Packaging height | 170 mm  |
| Packaging depth  | 360 mm  |

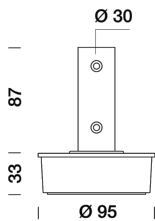
Mechanical accessories



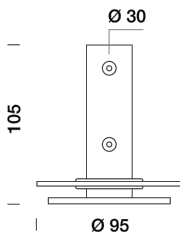
**8945036**  
Recessed box Ø 150 mm h 100 mm



**8951315**  
Tie-rod Ø 76 h 300



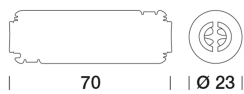
**8951210**  
Fixing base



**8951215**  
Fixing base for recessed box

Electrical accessories

**8917014**  
IP68 connector for 3x1,5 mm2 cable



## **The gluing process and plasma treatment**

One of the most complex and delicate aspects in outdoor lighting products is the fitting of glass onto the lighting body. This must ensure over time an excellent degree of insulation from atmospheric agents, even in harsh environmental conditions, to maintain a stable performance with zero maintenance. The gluing process of the glass on Platek products is managed at an automated workstation, preceded by a pre-treatment of the surfaces with atmospheric pressure plasma. Pre-treatment modifies the characteristics and ionic properties of the treated surfaces, activates the polar materials at strategic points, removes any residue of detaching agents, such as silicones and oils with a precision microcleaning, favouring excellent wettability of the bonded surfaces and a stable seal in time. The gluing process of the glass with specific plasma treatment allows a bonding force four times greater than similar products to be obtained. The shaping of the surfaces is followed by the application of the silicone and the assembly of the glass onto the lighting body using an automated process that guarantees perfect sealing of the lamp.

## **The process of galvanisation and multi-coating protection**

Platek goes well beyond the standards required for conventional protection processes, making use of its longstanding and in-depth expertise in aluminium alloys. All the aluminium components of the products - extruded, die-cast or turned - are subjected to a galvanic anodizing process in the phase following mechanical processing. The process increases their wear resistance and improves the adhesion of the paint. Galvanization involves three distinct phases: mechanical satin finishing and surface degreasing, anodic oxidation and fixing. After the first phase that eliminates any impurities, the aluminium body is immersed in special electrolytic tanks, in which the aluminium surface is transformed into aluminium oxide, which makes the metal more resistant. To respond optimally to the needs of the global market, all Platek products undergo a two-layer painting process. After preparation with washing and rinsing in accordance with the strictest environmental standards, the product is coated with an epoxy primer which guarantees, in addition to anodizing, an excellent degree of protection. The final step is the preparation of the polyester powder which gives the final velvety finish of the component. These last two phases, being done in a continuous cycle, form a single high-thickness layer that is resistant to the action of UV rays and atmospheric agents. This process allows corrosion resistance in salt fog that far exceeds the average standards of the market to be achieved.

## **Electric and thermal protection**

The final piece of the Platek puzzle is its scrupulous research into the reliability of its LED products. Precisely to cater for growing market demand Platek has introduced their own electrical protection PCBs, increasing their products resistance to electrostatic discharges and power surges. Furthermore, where possible, additional (NTC) thermal protections are used, which communicate with the power supplies, regulating the electric supply to the Platek LEDs so they operate at a suitable temperature.

## **Precise LED selection**

All LEDS used by Platek, once assembled by trusted personnel are tested with suitable instruments to check the colour specification required by Platek standards. The choice of using only 3 McAdams colour steps and with a CRI value exceeding 90, provide a high level of light quality that is difficult to find in the world of outdoor lighting. As far as LED products are concerned, Platek has adopted a system of protection against electrostatic discharge along the entire production chain of electronic components to increase the resistance of circuits to power surges.

## **Notes pdf**

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