Heritage is forever

Iconic design, ready to participate
in your smart city ecosystem

Introduction

The main concern for cities when renovating historical city centers is to preserve city heritage with lighting installations that keep the heritage look and feel, including the same bracketry and poles. At the same time, though, cities also want to make progress toward ambitious urban goals, reduce their carbon footprints, and lower energy costs without sacrificing safety, performance, or quality of light.

These are the reasons we designed CityMood.

With its iconic design, CityMood preserves city heritage. It creates urban areas that feel safer, more pleasant, and enjoyable, respect people and nature by limiting the effects of light pollution, deliver deep energy savings, and offer the infrastructure on which to build a smart city ecosystem.
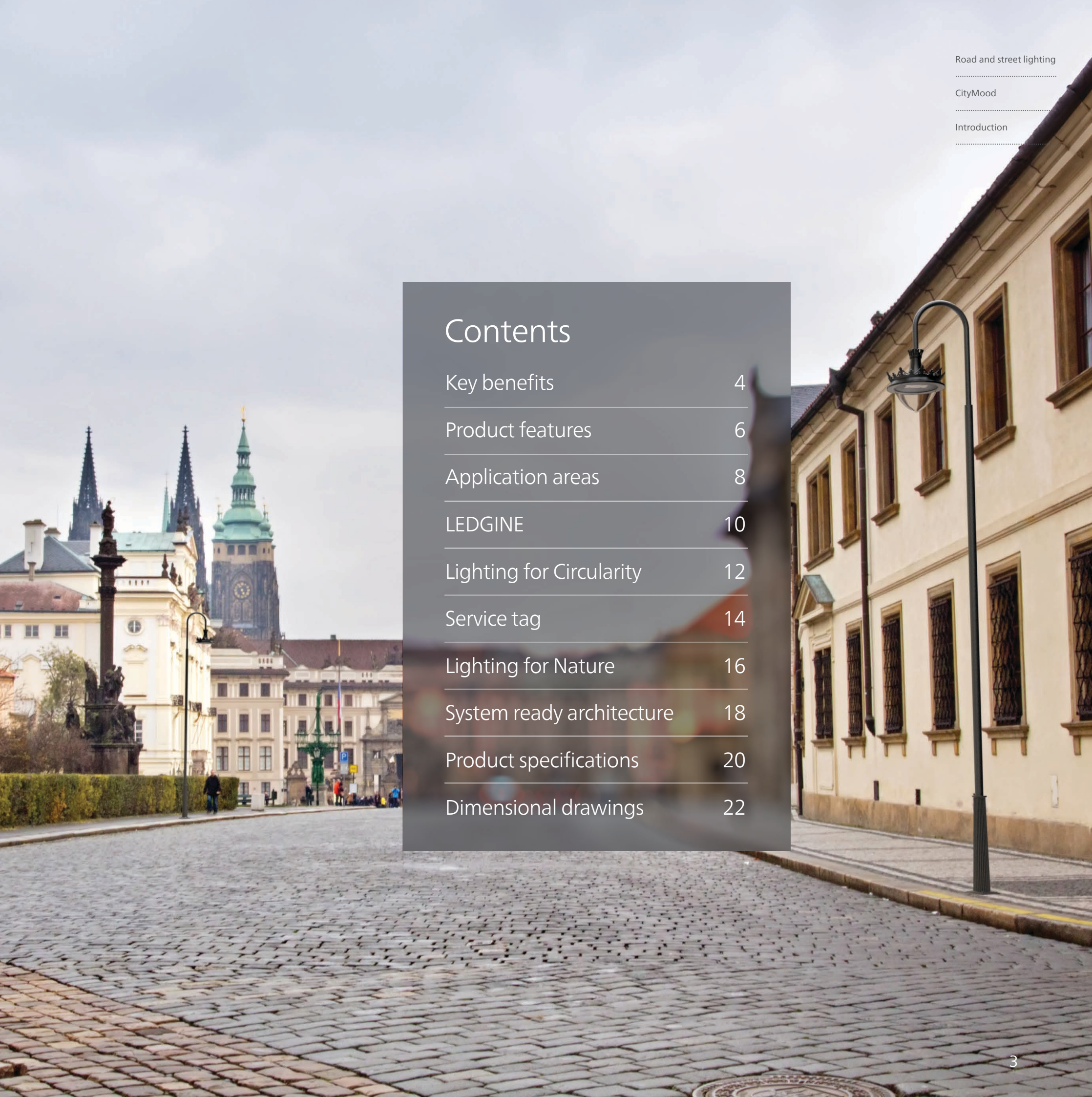
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Key benefits

Preserves city heritage
CityMood draws its inspiration from the street lamps of the early 20th century. CityMood preserves city heritage by keeping the distinctive design characteristics of these iconic luminaires to perfectly harmonize with the heritage look-and-feel of traditional city lights.

Delivers energy efficiency and high quality of light
CityMood reduces energy costs without sacrificing safety, performance, or quality of light to suit the specific needs of your different city applications.

Designed for the circular economy
CityMood is upgradable and easy to service and maintain. With its long lifetime and use of renewable materials, CityMood helps to reduce environmental impact and ensure sustainable investment.

Ready for connectivity
Wherever you happen to be in your digitalization journey, you can remotely manage, monitor, and control all your city lighting with CityMood, from roads and streets to sidewalks and crossings and parks and plazas. Full control of your city lighting lets you reduce CO_2 emissions, make progress toward your sustainability goals, and lower energy usage and costs.

Respectful of people and nature
Lighting needs to do more than just deliver illumination after dark: it must also create unique ambiences that make spaces feel safer and more liveable and that respects citizens and nature. CityMood enables ambience creation, enhances citizens' feelings of well-being and safety, and addresses the impact of artificial light on both people and nature.

Product features

Preserves city heritage
Iconic design, which combines a conical bowl and a suspended canopy. CityMood allows cities to upgrade their street lighting luminaires while retaining the same distinctive look. Optional crowns are available for an extra heritage touch. A flat glass version is available to fit more contemporary environments.

Delivers energy efficiency and high quality of light
For urban lighting needs from cycle paths to main streets, CityMood is your answer. Thanks to the latest LEDGINE optimized LED platform and its extensive range of optics, CityMood offers great lighting performance while saving energy.

Designed for the circular economy
CityMood is upgradable. Critical components can be easily replaced. Material can be reused and recycled. The Signify Service tag makes maintenance and programming operations faster and easier, and enables you to create a digital library of lighting assets and spare parts. Toolless opening version provide direct access to the gear and light engine.

Ready for connectivity
Advances in technology happen so quickly, it might be difficult to decide when to opt in. CityMood is available with one or two Zhaga-D4i (ZD4i) system-ready (SR) sockets and is therefore ready to pair with advanced lighting management systems such as Interact, or with sensors such as the Philips outdoor multisensor.

Respectful of people and nature
As a company conscious about the impact of light on the environment, Signify has equipped CityMood with a dedicated light recipe that preserves the dark night sky. Our large range of warm color temperatures will help you define the specific ambience you desire. The CityMood flat glass version also adheres to the latest light pollution regulations.

Application areas

In the heart of the city and beyond

Designed around our **LEDGINE** optimized platform, CityMood incorporates all the necessary functional aspects of lighting while also having a strong focus on the emotional value of light. In this way, it helps to create the right ambience, enhances people's well-being, respects biodiversity, and makes the city more liveable. For every application, we offer several solutions that will inspire you and enhance your city, while also fulfilling all your specific requirements.

City centers and historical area

Main urban roads and streets, side and residential roads and streets

Cycle and pedestrian paths, squares, parks, and playgrounds

Give your environment an extra heritage touch with optional CityMood crowns

Create your own ambiance by selecting a warmer or cooler CCT

Preserve the dark night sky with the ClearStar light recipe

The choice is yours
With a polycarbonate bowl or flat glass version, CityMood supports both heritage and contemporary environments

CityMood is system ready.

With an optional **Zhaga socket** on top of the gear cover, you can easily connect a controller or sensor to activate additional functionality.

• Scalable for future technical requirements

• Flexibility via Zhaga-D4i standard

• Quick plug-and-play installation

• Support smart city applications

SR socket (Zhaga) including **Interact OLC**

SR socket (Zhaga) for Philips multisensor

Toolless opening version for easy installation and maintenance

The right solution for outdoor applications
LEDGINE

Our latest generations of LEDGINE Optimized light engine options offer the flexibility to balance application coverage and efficiency, luminaire efficacy and costs. The LEDGINE light engines cover a wide range of standard fluxes and optics and are used across the biggest part of our luminaire portfolio. Moreover, where needed we can support you to tune and optimize your project solutions further with our exclusive tools. The three pillars that characterize our LEDGINE light engines are standardized optics, standard engines and tailormade solutions.

LEDGINE light engines are characterized by three key building blocks:

Standardized optics

- A perfect application fit

Extensive light distribution ranges ensure a perfect fit for every application. The optics offer flexibility, enabling standardization over applications with outstanding performance across a wide range of geometries and design parameters such as tilt and overhang.

Standardized optics

Standard engine

- High performance across portfolio

Using a standard engine across key luminaire ranges means you can optimally benefit from the latest LED upgrades without changing light distributions, so design continuity is assured. Standard flux packages are pre-defined across product ranges. Flux and thereby energy is minimized using high lumen maintenance (up to L98 or CLO solutions).

Standard engines

Tailor-made solutions

- Tuning to project preferences

We can support you with our exclusive tools to customize solutions which of course can become your standard! With a variety of LED counts it builds the exact required flux in a perfect balance between energy consumption, luminaire cost/type and operational life. Based on project parameters the best standard optical fit can be selected or light distributions can be customized for best application fit and/or to maximize energy savings.

Tailor-made solutions

Lighting for circularity

Designed for a **circular economy**

Our purpose is to unlock light's extraordinary potential for a brighter future and a better world. Helping to further develop the circular economy is a good place to start.

Our Lighting for Circularity products, services and systems can help to reduce the environmental impact and enhance store experience at the same time.

Products
Luminaires and components use renewable materials, offer high energy efficiency and long lifetime, are easy to maintain, repair, upgrade, and replace

Services
Include everything from design and build, to operation and maintenance to ensure sustainable investments and operations.

Systems (Interact)
Smart lighting systems can have a great impact on the environmental performance of your lighting, e. g. remote monitoring of lighting asset.

+ Lighting for circularity system
+ Lighting for circularity services
Lighting for circularity products

CityMood meets the five criteria of lighting for circularity

Energy efficiency and extended lifetime

- CityMood offers high luminous efficacy up to 172 lm/W.
- It has a choice of tailored optics that support optimized lighting design in various urban applications, for even greater energy savings.
- Lifetime of 100k hours with very high lumen maintenance up to L98

Connectable

- CityMood can be connected to Interact or any other CMS via Zhaga- or Nema sockets for increased energy saving and/or asset management.

Upgradable

- CityMood is upgradeable. Driver and other electrical components can be changed via simply replacing the components using just standard tools.

Reusable and recyclable

- The aluminum canopy and spigot are fully recyclable and can be used for new die-casted aluminum. The polycarbonate bowl can be reworked to new plastic parts.
- The other parts can be dismantled and recycled in a responsible manner. Major parts are coded for recycling

Serviceable

- CityMood luminaires are easy to service, repair and replace thanks to the Signify Service tag, QR-based identification system, which makes each luminaire and its components uniquely identifiable. Components are modular in design and leverage platform building blocks to maximize reuse in the portfolio.

Designed for
seviceability

Easy to service thanks to the Service tag, a unique QR-based identification system that appears on individual luminaires and their packaging.

Service tag:
• Simplifies installation and servicing
• Provides 24/7 access to luminaire and spare parts information
• Allows on-the-spot driver reprogramming

CityMood is system-ready, which means it can be paired with existing and upcoming control and lighting management solutions such as Interact.

The greatest value of the Service tag is that it enables us to save precious time and avoid human errors.

Why
Service tag?

Easy access to relevant information

Improves installation process by providing easy access to product configuration information

More effective maintenance

Enables more effective maintenance operations by identifying spare parts

Digital maintenance

Allows you to pre-program spare parts to factory settings

Instant access to procedures, spare parts lists, and programming

Service tag features a QR-based identification system that gives you instant access to critical information during unpacking, installation, diagnostics, fault reporting and programming. Simply scan the tag with a smartphone or tablet running the Philips Service tag app, and you can access information about the contents of the box and troubleshooting details specific to the luminaire. Service tag also allows you to source spare parts and restore factory settings in the field. It's that simple.

Pole where luminaire is installed

Luminaire

Box

Lighting for nature

ClearStar: preserving a dark night sky

Instead of darkness above us, the night sky has become illuminated—a problem affecting over 80% of the world's skies and 99% of the skies in the US and Europe. Not only does skyglow prevent us from enjoying a star-filled night sky, it hinders astronomers' observations, wastes energy, and negatively impacts human circadian rhythms and animals that use moonlight and starlight for orientation.

To address this problem, we've developed a special optical platform that both complies with the requirements of astronomical institutions and provides excellent light distribution and high energy efficiency. With our connected lighting management systems, you can deliver light when and where it's needed and create flexible dimming calendars.

System ready architecture

The digital and smart city era is accelerating fast. To keep pace, cities need luminaires that are not only designed for today's technologies, but are prepared for future advances and upgrades. The System ready architecture gives you a scalable foundation that you can build on whenever your city is ready to opt into new advances in technology. So you can take light beyond illumination into a dynamic world of sensor-rich lighting - whenever you're ready.

Upgrade now or later
CityMood is a System ready luminaire, coming with universal sockets on each luminaire, so all you have to do is click in controllers or sensors to activate new applications. That means you can install your luminaires today and mount controllers and sensors at a later date - without any hassle.

An open platform
Our System ready luminaires use state-of-the-art architectures and components. Because they are SR & ZD4i Certified, they are compatible with all components released in our SR program. This ensures you'll always be ready for the latest innovations that will enable you to get more out of your lighting infrastructure.

Ready to be connected to Interact

Interact is a connected LED lighting management system which helps you improve services, enhance safety, beautify public spaces, encourage civic pride, and increase energy efficiency in your city. The system allows you to tap into a wide range of both lighting and non lighting benefits such as dimming, presence detection, noise or air quality monitoring, and incident detection.

CityMood is ready to connect with Interact when you are.

For more information about Interact in cities visit:
www.interact-lighting.com/city

Future-proof upgrades
System ready luminaires can be paired with sensors and controllers now or later. A city solution that is completely flexible and scalable.

Standardized technology
System ready luminaires can be paired with sensors and Thanks to Zhaga standardization and the SR & ZD4i Certified program, you will have access to preferred technology, allowing you to make use of innovations from different suppliers.

Open innovation platform
Using this new System ready architecture gives you access to new innovations that could enhance your lighting even further in the future.

Plug and play
Designed for hassle-free installation, controllers and sensors can be mounted without opening the luminaire.

Aesthetic design
The small, unobtrusive form factor can be mounted discreetly on luminaires.

Flexibility
The Zhaga 4 Pin socket can be mounted on the top, or on top and bottom of the luminaire, giving you the flexibility to choose from all sources of sensor applications. The IP66 rating also ensures there is no risk of water ingress.

Get more value out of your lighting infrastructure

Control and monitor your street lighting remotely and immediately identify lighting failures using a single dashboard application. With full control of your city lighting you can identify opportunities for further energy savings by dimming, scheduling and zoning. Interact enables you to reduce CO_2 emissions, meet sustainability targets and reduce costs, enabling you to reinvest the savings into other areas of your city's infrastructure.

The Open API's of the system allows it to be integrated into your other city management systems and allows your existing partners or independent third parties to use it as a platform for future innovation.
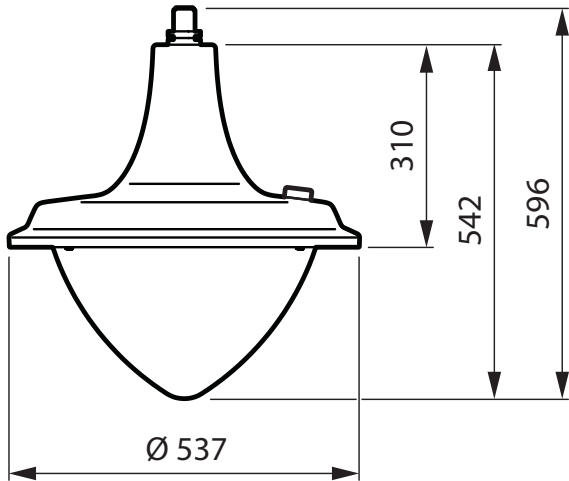
Product specifications

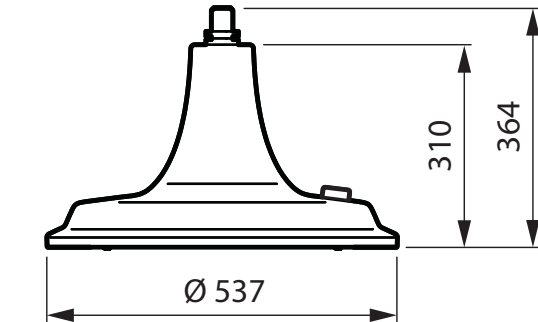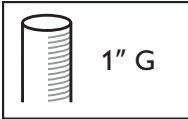|	
Type	BSP672 BSP673 (toolless opening version)
Light source	Philips Ledgine Optimized
Luminous flux ranges	470 lm to 16,380 lm, depending on configurations
Power	10.1 W to 108.9 W, depending on configurations
Luminaire efficacy	up to 172 lm/W
Correlated Color Temperature	2200 K - 2700 K - 3000 K - 4000 K
Type Light Recipe	ClearStar
Color Rendering Index	80 (warm white) - 70 (neutral white)
Useful life	100,000 hours min L90 at 25°C ambient temperature
Control gear failure rate at median useful life 100,000 h	10%
Performance ambient temperature Tq	+25º
Average ambient temperature	+25º
Operating temperature range	-40ºC to +50ºC
Driver	Programmed LED drivers
Mains voltage	220-240V / 50-60Hz
Dimming	Stand-alone DynaDimmer, DALI, Mains dimming
Connectivity option	Interact, Philips Multisensor
Connectors	NEMA, SR
Optic	Distribution Medium (DM,DN), Pedestrian Crossing, Symmetrical, Wide & extra Wide: DM10, DM11, DM12, DM30, DM31, DM32, DM33, DM50, DM52, DM65, DM70, DN09, DN10, DN11, DN25, DN33, DN50, DPR1, DPL1, DS50, DS51, DSM2, DW10, DW30, DW50, DW52, DW65, DX10, DX50, DX52, DX65, DX70, (other optics upon request)
Louvers	Dedicated Louvers for backlight cut-off BL1, BL2

Optical cover	Tempered flat glass, clear Polycarbonate bowl, clear
Accessories	Top and /or bottom decorative crown
Material	Housing: die cast aluminium Crown: gravity aluminium
Color	Philips Ultra Dark Grey GR10714, Black 9005 Other RAL and AKZO Futura colors available on request Crown: Black 9005
Installation	Suspended: 1"gas (male) Recommended mounting height: 4 to 8m SCx BSP672/BSP673 with flat glass: 0.0314 m² SCx BSP672/BSP673 with polycarbonate bowl: 0.036 m² SCx BSP672/BSP673 with polycarbonate bowl, top and bottom crown: 0.0836 m² SCx BSP672/BSP673 with polycarbonate bowl and top crown: 0.0748 m² SCx BSP672/BSP673 with polycarbonate bowl and bottom crown: 0.0797 m²
Maintenance	Access to both LED board and driver by opening the canopy by the means of tooless quater turn fasteners (BSP673) or by opening standard screws (BSP672), all secured by a hinge, making parts safely accessible
Weight	BSP672/BSP673 with flat glass: 8 kg BSP672/BSP673 with polycarbonate bowl: 7.4 kg BSP672/BSP673 with flat glass, top and botton crown: 10.2 kg BSP672/BSP673 with polycarbonate bowl, top and bottom crown: 9.6 kg BSP672/BSP673 with flat glass and top crown: 8.5 kg BSP672/BSP673 with polycarbonate bowl and top crown: 7.9 kg BSP672/BSP673 with flat glass and bottom crown: 7.5 kg BSP672/BSP673 with polycarbonate bowl and bottom crown: 6.9 kg
CLO	available
Electrical class	Class I and Class II
IP rating	IP66
IK rating	IK10 clear polycarbonate bowl, IK09 clear flat glass
Surge protection	6 kV (standard) - 10 kV (optional)
Warranty	5 years
Certification	RoHS, REACH,CE, ENEC, ENEC+

Dimensional drawings

Crown versions

CityMood
Polycarbonate Bowl

1" G

310
542
596

Ø 537

CityMood
Flat Glass

1" G

310
364

Ø 537

CityMood
Top Crown

Ø 150

609

Ø 537
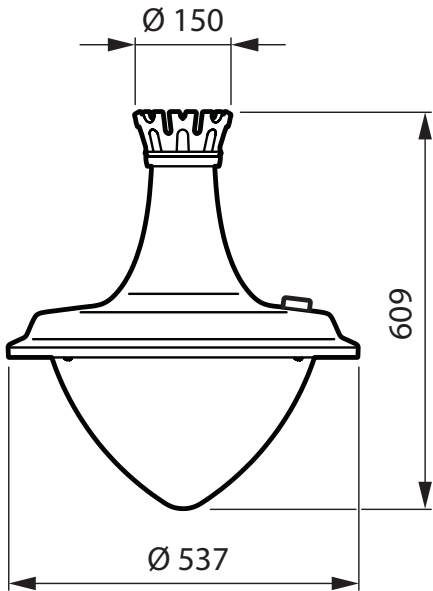
CityMood
Bottom Crown

1" G

310
542
596

Ø 537
Ø 557
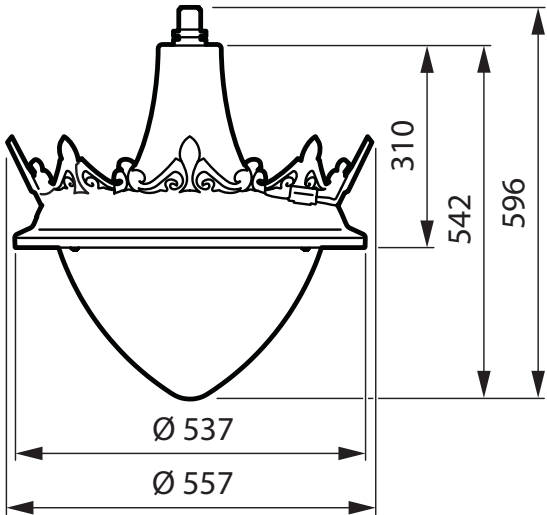
CityMood
Top & Bottom Crown

Ø 150

609

Ø 537
Ø 557
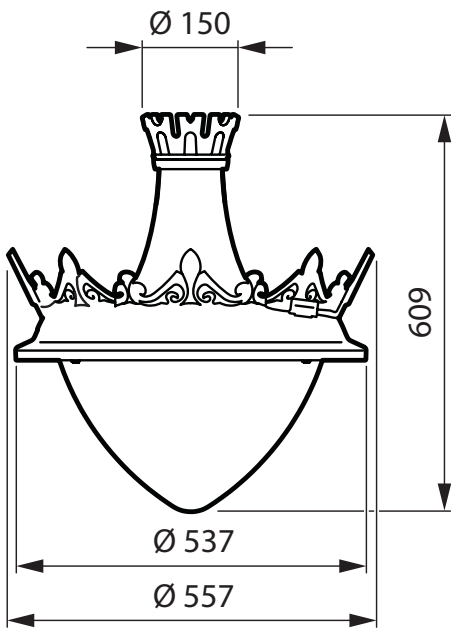
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