

MileWide²

Performance and design in a perfect balance



PHILIPS

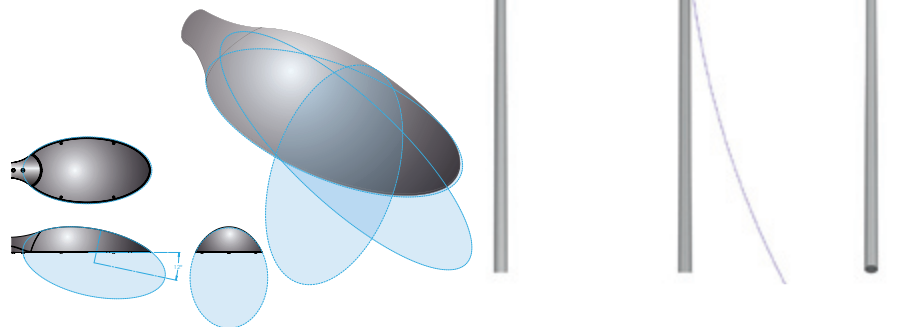
Design language

The idea behind the design

'Almost twenty years ago, we designed the first MileWide urban lighting solution. MileWide was the first system in the world to have a unified design language for signs, signals, park accessories and street lighting. Now that LED technology has found a mature place in the development of street lighting, we have created Milewide², exploiting the ultimate design freedom that LEDs offer. The result is a very discreet solution including not only the luminaire, but also several poles and brackets, all with clean lines radiating a strong character.



Stig Myler, designer



The initial principle of all our solutions is based upon the clean geometry of the luminaire design, built up of three ellipses of which one is slightly tilted corresponding to the light direction. This results in a clear shape, a minimum use of materials and clean lines that fit many urban environments and perfectly integrates into today's cityscapes.'

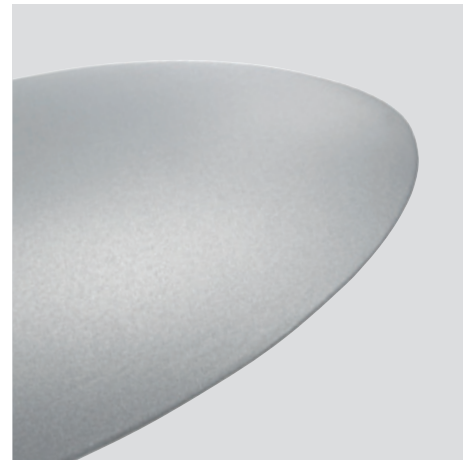
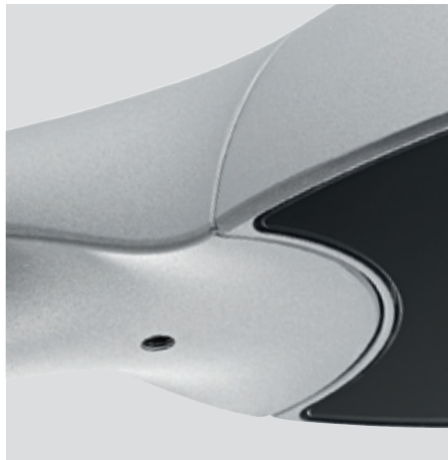
Applications

A total solution

For many years the MileWide family is known by its excellent performance and own stylish design language. The new MileWide² family is the evolution of this well-known MileWide street lighting range, offering not only a new redesigned set of luminaires, but combined with poles and brackets as a whole, to offer you complete solutions that can elevate your street, city center or roads around your city. MileWide² is a family of two sizes, MileWide² and MileWide² large, dimensioned to fit installation heights up to 12 meter.

Designed to endure

MileWide² is designed to be long lasting. Not only due to the long lifetime (L80F10 at 100,000 hours), but also as a result of the design. Materials of the best quality are used to endure and withstand all weather types in Europe. Transitions and product edges have been designed to minimize erosion and dust collection. The aluminum housing and tempered glass results to have an IK08 mechanical resistance and an IP66 ingress protection.

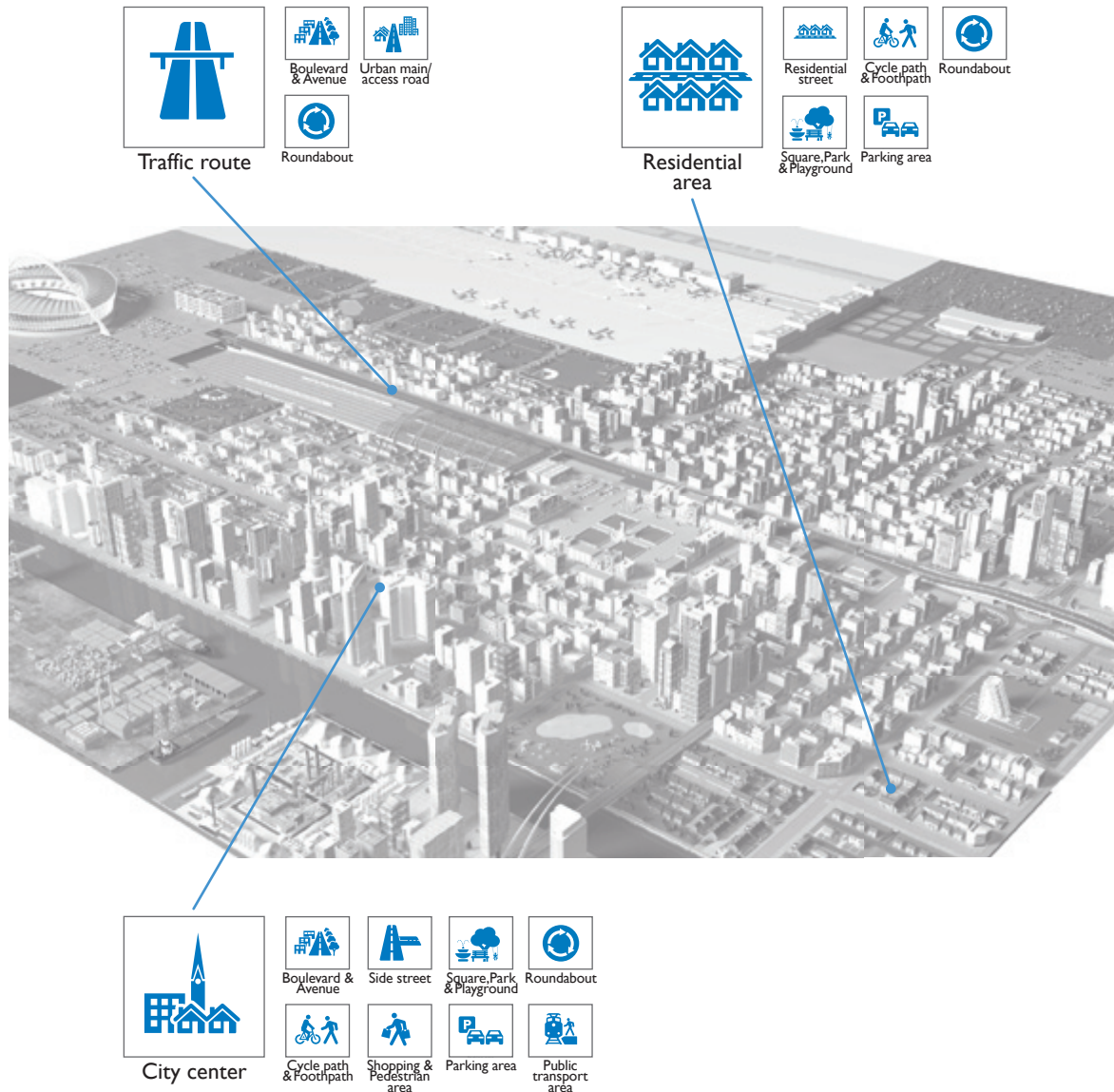


High performance, high comfort

MileWide² is made to enjoy the best lighting performance with focus on comfort. By a combination of different factors like a larger spacing between the LED's, new shape of the lenses more comfort is obtained. Furthermore MileWide² uses flat glass to preserve the dark sky (0 candela at 90° / glare control) and ensures the best maintenance factor.

Applications

MileWide² is a street lighting solution that combines design with high quality lighting performance. Designed around and dedicated to the latest LED technology, the MileWide² range has a slimmer and smoother design while best-in-class lighting performance can be realized and your energy savings are maximized. Due to the new design of the led board combined with renewed optics, MileWide² offers you a solution that aesthetically fits into many different architectural contexts, and a high flexibility in terms of applications.



MileWide² is part of our Urban inspiration lighting portfolio and incorporating all necessary functional primarily aspects of lighting, but with strong focus on the emotional values of lighting. To create the right ambiance, enhance areas, increase well-being, promote tourism and heritage and increase the livability in the city. For every application in the city we do have several solutions to really inspire and enhance your city, while meeting your demands and beyond.

Applications



Applications



Applications



Applications



Family range

From busy traffic roads up to the city center, for renovation and new projects, the MileWide² family is a perfect solution. Due to the different mounting possibilities and two different sizes, installations varying from 4 up to 12 meter will not be any issue. Below an overview of the sizes, mounting possibilities and poles & brackets that are available for you.

MileWide²



MileWide²
Side-entry
Ø 42/48 mm



MileWide²
Post-top
Ø 60/76 mm

Milewide² Large



MileWide² Large
Side-entry
Ø 48/60 mm



MileWide² Large
Post-top
Ø 60/76 mm

Spigot arrangements



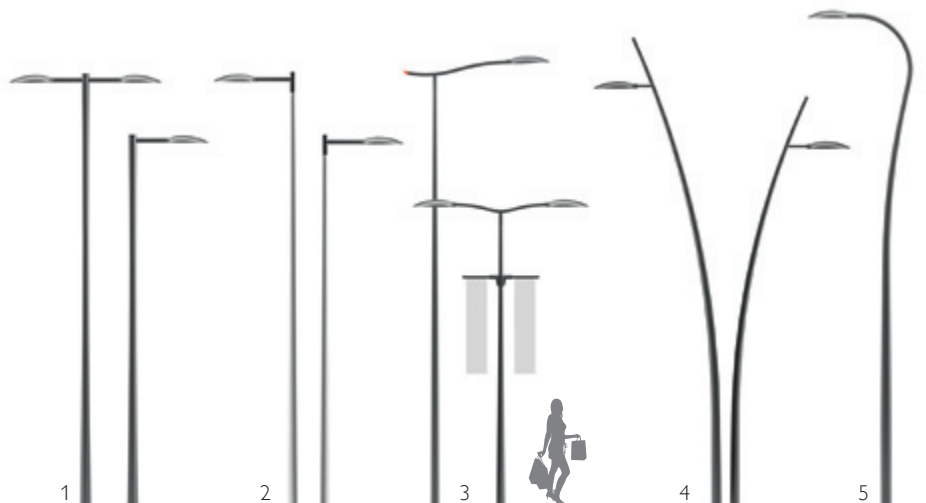
Dedicated spigot for side-entry:
Ø 48 mm for MileWide²
Ø 60 mm for MileWide² Large



Dedicated spigot for post-top
Ø 60/76 mm

MileWide² + dedicated complete sets

The genuine solutions Bend and Slend by Holscher Design complete the luminaire family with dedicated poles and brackets. A wider range of standard pole and bracket combinations is also available.



1. Slend dedicated complete set 2. Boulevard complete set 3. UrbanWave complete set 4. Curve pole complete set 5. Bend dedicated complete set

MileWide² dedicated complete sets

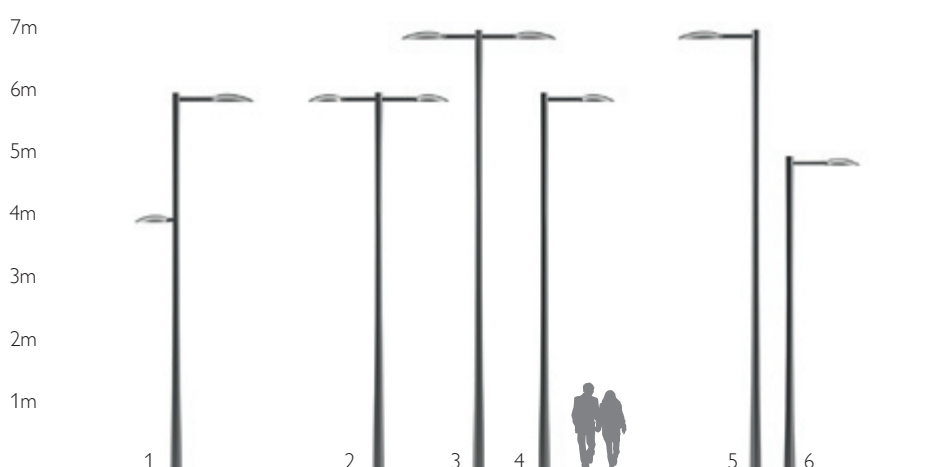
The MileWide² family can be combined with our dedicated Slend and Bend complete sets designed by Holscher Design, to give it a more creative and inspirational appearance.

Slend pole

- 1. MileWide² + Slend pole with single bracket + MileWide² + rear bracket
- 2-3. MileWide² + Slend pole with double bracket
- 4-5-6. MileWide² + Slend pole with single bracket



MileWide² + Slend

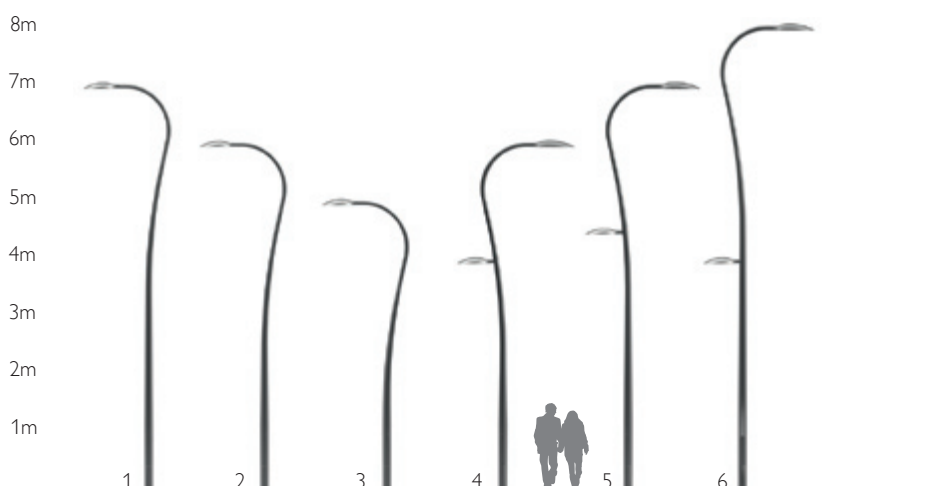


Bend pole

- 1-2-3. MileWide² + Bend pole with single bracket
- 4-5-6. MileWide² + Bend pole with single bracket + MileWide² + rear bracket



MileWide² + Bend

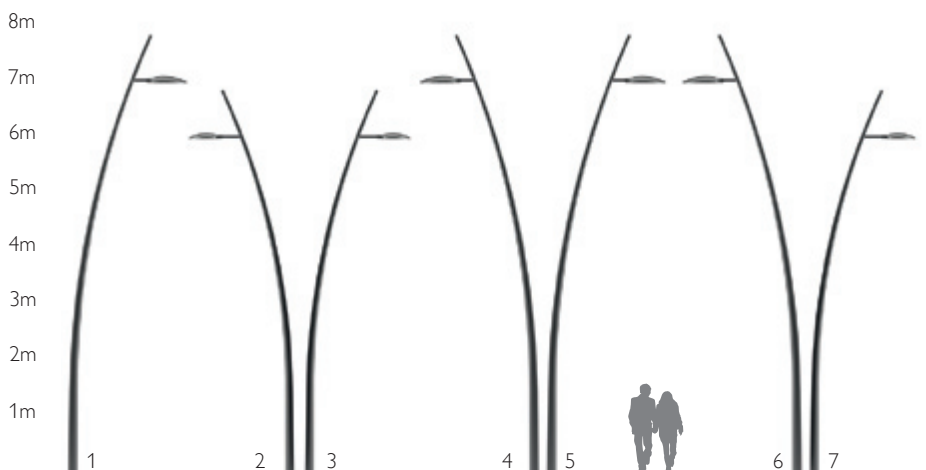


MileWide² standard complete sets

The MileWide² family can be combined with our standard poles and brackets portfolio to give it a more creative and inspirational appearance. Below some examples, but we have more complete set configurations available. Have a look in our Inspiration for urban complete sets catalogue.

Curve pole

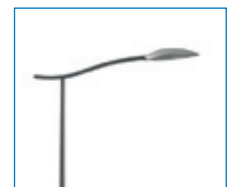
1-2-3-4-5-6-7. MileWide² LED + Curve pole with bracket



MileWide² + Curve

UrbanWave bracket

1-4. MileWide² LED + UrbanWave L1200 bracket + Accante pole 2-3-5-6. MileWide² LED + UrbanWave L750 bracket + Accante pole 7. MileWide² LED + UrbanWave L1500 bracket + Accante pole + UrbanWave L750 rear bracket 8. MileWide² LED + UrbanWave L750 wall bracket



MileWide² + UrbanWave

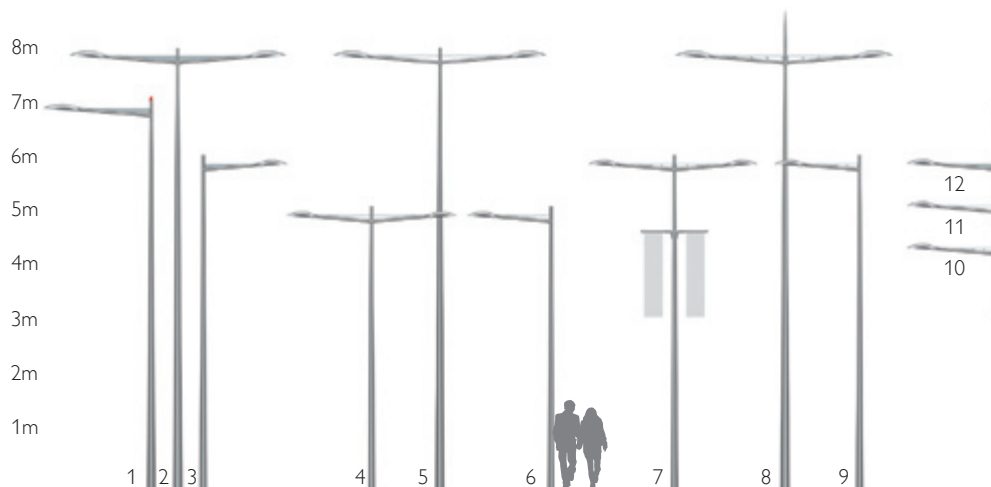
MileWide² standard complete sets

Mayotte bracket

1. MileWide² + Mayotte single bracket + Aloa/Accante pole + lighting cap
2. MileWide² + Mayotte double bracket + Aloa/Accante pole
3. MileWide² + Mayotte single bracket + Aloa/Accante pole
- 4-5. MileWide² + Mayotte with rod double bracket + Aloa/Accante pole
6. MileWide² + Mayotte with rod single bracket + Aloa/Accante pole
7. MileWide² + Mayotte openwork double bracket + Aloa/Accante pole
8. MileWide² + Mayotte openwork double bracket + Aloa/Accante pole + point
9. MileWide² + Mayotte openwork single bracket + Aloa/Accante pole
10. MileWide² + Mayotte openwork wall bracket
11. MileWide² + Mayotte with rod wall bracket
12. MileWide² + Mayotte wall bracket



MileWide² + Mayotte

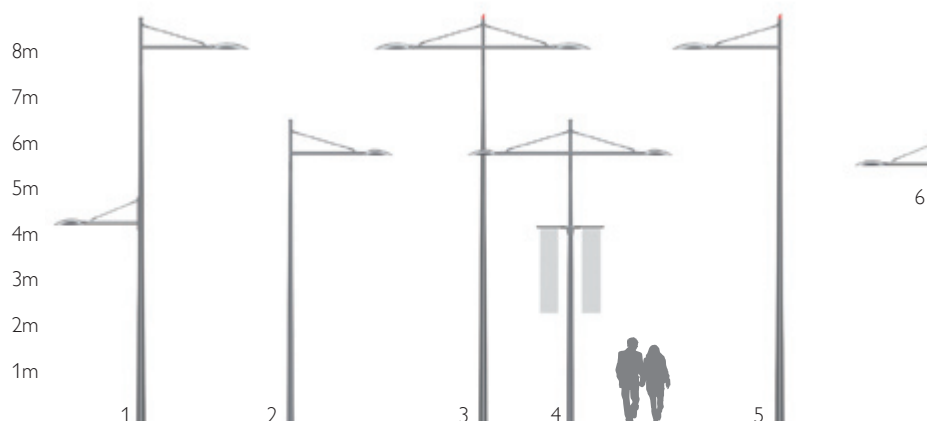


Caravelle bracket

1. MileWide² + Caravelle single bracket + Aloa/Accante pole + MileWide² + Caravelle rear bracket
2. MileWide² + Caravelle single bracket + Aloa/Accante pole
3. MileWide² + Caravelle double bracket + Aloa/Accante pole + lighting point
4. MileWide² + Caravelle double bracket + Aloa/Accante pole
5. MileWide² + Caravelle single bracket + Aloa/Accante pole + lighting point
6. MileWide² + Caravelle wall bracket



MileWide² + Caravelle



Lighting performance

Light distribution

MileWide² offers a wide flexibility in term of lighting distributions and luminous flux used for different applications.

DM Distribution Medium



ME3 (to ME6) and CE class for road and street lighting

- Upward light output ratio, ULOR = 0%
- Upward light ratio, ULR < 3%
- Luminous intensity class, G3 at tilt 0°

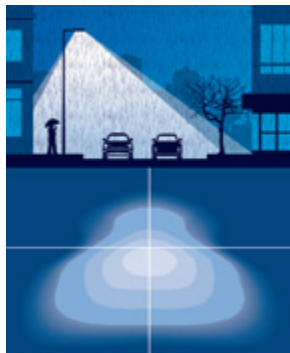
DW Distribution Wide



ME3 (to ME6) and CE class for road and street lighting

- Upward light output ratio, ULOR = 0%
- Upward light ratio, ULR < 3%
- Luminous intensity class, G3 at tilt 0°

DK Distribution Medium for wet road conditions



MEW class for road and street lighting

- Upward light output ratio, ULOR = 0%
- Upward light ratio, ULR < 3%
- Luminous intensity class, G6 at tilt 0°

MSO Medium Street Optic



CE and S class for street and path lighting

- Upward light output ratio, ULOR = 0%
- Upward light ratio, ULR < 3%
- Luminous intensity class, G3 at tilt 0°
- Not available in MileWide² Large

MileWide² in control

Lighting city streets, roads and public spaces presents many challenges. The dynamics of city life change constantly due to traffic density and different traffic levels. You need the right levels of lighting to respond to those changes and make the city feel safe, attractive and inviting. But you are also under pressure to reduce energy costs and maximize your green credentials. Philips offers you a complete intelligent lighting controls range to help you overcome all those problems and make the city more livable and sustainable.

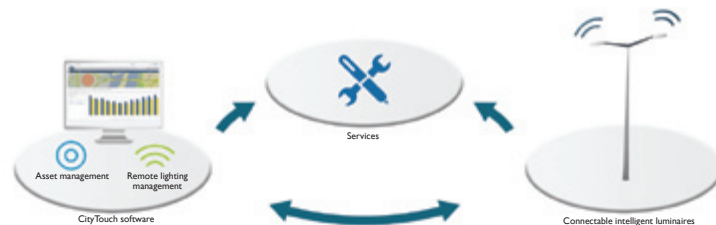
CityTouch LightWave



MileWide² can be seamlessly connected with CityTouch LightWave via integration of all the intelligence into the luminaire without any additional hardware needed. The communication runs directly via the public mobile network. As a positive side effect, no own maintenance effort is required. In addition, the whole connectivity management is part of our service which keeps any hassle away from you as a customer. Once connected to the power supply a light point automatically appears on the CityTouch map at the right location – with all technical parameters imported into the system.

CityTouch LightWave is an intelligent, interactive remote management solution for your street lighting. It brings your city lighting to life and provides you with flexibility, knowledge and accuracy.

Flexibility means that you will be easily able to act or react according to expected and unexpected situations by dimming or brightening all areas within your city to ensure safety and well-being. Knowledge implies that you are always informed about the current status of every single luminaire – for better maintenance and faster repairs. Accuracy stands for precise energy metering which gives you a perfect overview on real non-estimated energy consumption.



CityTouch LightWave key features



Control of each individual light point

You get the flexibility to adapt every single luminaire to changing situations or demands of the city at any time. To adjust calendars to the individual needs you are free to change the “switching points” of every dimming profile simply via drag and drop.



Fault detection & notification

A quicker and better knowledge of the current status of the lighting infrastructure enables you to manage faster maintenance and improve the maintenance service level.



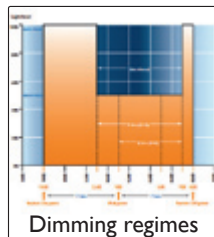
Accurate energy metering With accurate energy

metering down to the level of each single luminaire it is possible to verify your energy bills and identify new potential savings.

MileWide² in control

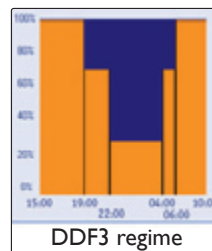
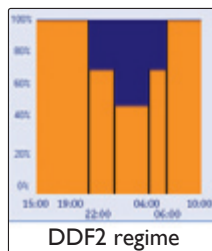
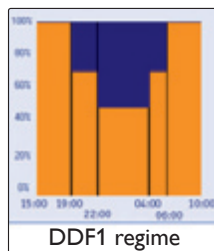
LumiStep control

An integrated control system available in the Philips driver, which lowers the flux of the light source and power consumed over a period of 6, 8 or 10 hours (3 pre-programmed versions). The potential energy savings (on power system) is up to 25%, depending on the luminaires and light source used.



DynaDimmer control

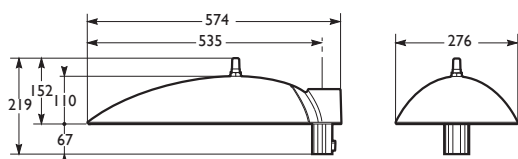
An integrated control system included in each light point - operated on electronic equipment and can be integrated into the Philips driver. It can apply 5 levels of power, (re)definable on the level and duration, per chosen light point. For example, an average energy saving of approximately 50% per year can be realized.



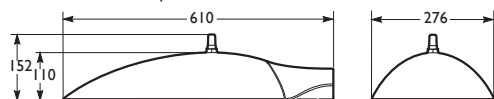
Main specifications

| Product features | Specifications MileWide ² | Specifications MileWide ² Large |
|------------------------------------|--|--|
| Type | BRP435 (side-entry) • BPP435 (post-top) | BRP436 (side-entry) • BPP436 (post-top) |
| Light source | Built-in LED module | Built-in LED module |
| Color temperature | 3000K (warm white) • 4000K (neutral white) | 3000K (warm white) • 4000K (neutral white) |
| Color Rendering Index | 70 (neutral white) • 80 (warm white) | 70 (neutral white) • 80 (warm white) |
| Luminous flux | (depending on LED configuration) warm white: 1,650 - 8,000lm • neutral white: 1,750 - 9,000lm | (depending on LED configuration) warm white: 7,300 - 13,300lm • neutral white: 6,600 - 14,800lm |
| Power | GreenLine (GRN) 14 to 86W depending on LED configuration | GreenLine (GRN) 60 to 138W depending on LED configuration |
| Luminaire efficacy | From 100 lm/W up to 130 lm/W | From 100 lm/W up to 130 lm/W |
| Lumen maintenance | Up to 100,000 hours | Up to 100,000 hours |
| CLO | CLO is available | CLO is available |
| Warranty | Silver 5 years | Silver 5 years |
| Optic | Distribution Medium (DM) • Distribution Wide (DW) Distribution Medium for wet road conditions (DK) Medium Street Optic (MSO) | Distribution Medium (DM) • Distribution Wide (DW) Distribution Medium for wet road conditions (DK) |
| Optical cover | Flat Glass (FG) | Flat Glass (FG) |
| Installation | Side-entry: Ø 48 mm • Post-top: Ø 60/76 mm No adjustable tilt angle | Side-entry: Ø 60 mm • Post-top: Ø 60/76 mm No adjustable tilt angle |
| Controls system input | 1-10V and DALI | 1-10V and DALI |
| Driver | Philips Xitanium Driver | Philips Xitanium Driver |
| Inrush current driver | 40W: 65A@100µs • 100W: 80A@150µs | 100W: 80A@150µs • 150W: 108A@140µs |
| Intelligence control | LumiStep (LS) • DynaDimmer (DDF) • SDU (D4) External dimming 1-10V (D7/D9) • CityTouch client | LumiStep (LS) • DynaDimmer (DDF) • SDU (D4) External dimming 1-10V (D7/D9) • CityTouch client |
| Mains voltage | 210-240V / 50-60 Hz | 210-240V / 50-60 Hz |
| Electrical class | I • II | I • II |
| Material | Housing: high-pressure, die-cast aluminum, coated Gasket: silicone rubber, heat resistant Optics: plastic (PMMA) Cover: glass, thermally hardened | Housing: high-pressure, die-cast aluminum, coated Gasket: silicone rubber, heat resistant Optics: plastic (PMMA) Cover: glass, thermally hardened |
| Color | Satin Silver Grey (close to RAL9006), Philips Ultra Dark Grey (close to RAL7022), Other RAL or AKZO colors available on request | Satin Silver Grey (close to RAL9006), Philips Ultra Dark Grey (close to RAL7022), Other RAL or AKZO colors available on request |
| IP-rating | IP66 | IP66 |
| IK-rating | IK08 | IK08 |
| Weight | 8.5-9 kg | 12 kg |
| ScX | 0.049 m ² | 0.066 m ² |
| Electrical connection | M20 cable gland with strain relief, for cable Ø 6-10 mm | M20 cable gland with strain relief, for cable Ø 8-10-14 mm |
| Operating temperature range | - 20°C < Ta < 35°C | - 20°C < Ta < 35°C |
| Surge protection | 4 kV | 4 kV |
| Maintenance | From below, 5 screws. Be aware: Non captive screws. | From below, 5 screws. Be aware: Non captive screws. |

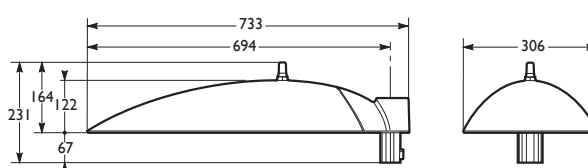
MileWide² - BPP435 - Post-top



MileWide² - BPP435 - Side-entry



MileWide² Large - BPP436 - Post-top



MileWide² Large - BPP436 - Side-entry



Conversion table

| luminaire version | Product family codes | Greenline (GRN) | Source flux (lm) | System power WW (W) | System power WW (W) |
|-----------------------------|----------------------|-----------------|------------------|---------------------|---------------------|
| Milewide ² | BPP/BRP435 | GRN19 | 1,900 | 15 | 14 |
| Milewide ² | BPP/BRP435 | GRN22 | 2,200 | 18 | 16 |
| Milewide ² | BPP/BRP435 | GRN25 | 2,500 | 21 | 19 |
| Milewide ² | BPP/BRP435 | GRN30 | 3,000 | 25 | 23 |
| Milewide ² | BPP/BRP435 | GRN35 | 3,500 | 30 | 27 |
| Milewide ² | BPP/BRP435 | GRN40 | 4,000 | 35 | 32 |
| Milewide ² | BPP/BRP435 | GRN45 | 4,500 | | 36 |
| Milewide ² | BPP/BRP435 | GRN50 | 5,000 | 38 | |
| Milewide ² | BPP/BRP435 | GRN55 | 5,500 | | 38 |
| Milewide ² | BPP/BRP435 | GRN60 | 6,000 | 46 | |
| Milewide ² | BPP/BRP435 | GRN65 | 6,500 | | 46 |
| Milewide ² | BPP/BRP435 | GRN70 | 7,000 | 56 | |
| Milewide ² | BPP/BRP435 | GRN75 | 7,500 | | 55 |
| Milewide ² | BPP/BRP435 | GRN80 | 8,000 | 65 | |
| Milewide ² | BPP/BRP435 | GRN85 | 8,500 | | 63 |
| Milewide ² | BPP/BRP435 | GRN90 | 9,000 | 73 | |
| Milewide ² | BPP/BRP435 | GRN95 | 9,500 | | 71 |
| Milewide ² | BPP/BRP435 | GRN100 | 10,000 | 83 | |
| Milewide ² | BPP/BRP435 | GRN105 | 10,500 | | 79 |
| Milewide ² | BPP/BRP435 | GRN115 | 11,500 | | 86 |
| | | | | | |
| Milewide ² Large | BPP/BRP436 | GRN81 | 8,100 | 61 | |
| Milewide ² Large | BPP/BRP436 | GRN91 | 9,100 | 69 | |
| Milewide ² Large | BPP/BRP436 | GRN96 | 9,600 | | 66 |
| Milewide ² Large | BPP/BRP436 | GRN101 | 10,100 | 78 | |
| Milewide ² Large | BPP/BRP436 | GRN106 | 10,600 | | 75 |
| Milewide ² Large | BPP/BRP436 | GRN110 | 11,100 | 85 | |
| Milewide ² Large | BPP/BRP436 | GRN116 | 11,600 | | 82 |
| Milewide ² Large | BPP/BRP436 | GRN120 | 12,000 | 95 | |
| Milewide ² Large | BPP/BRP436 | GRN125 | 12,500 | | 90 |
| Milewide ² Large | BPP/BRP436 | GRN130 | 13,000 | 104 | |
| Milewide ² Large | BPP/BRP436 | GRN135 | 13,500 | | 98 |
| Milewide ² Large | BPP/BRP436 | GRN140 | 14,000 | 113 | |
| Milewide ² Large | BPP/BRP436 | GRN145 | 14,500 | | 106 |
| Milewide ² Large | BPP/BRP436 | GRN150 | 15,000 | 122 | |
| Milewide ² Large | BPP/BRP436 | GRN155 | 15,500 | | 115 |
| Milewide ² Large | BPP/BRP436 | GRN160 | 16,000 | 131 | |
| Milewide ² Large | BPP/BRP436 | GRN165 | 16,500 | | 123 |
| Milewide ² Large | BPP/BRP436 | GRN175 | 17,500 | | 131 |
| Milewide ² Large | BPP/BRP436 | GRN185 | 18,500 | | 138 |

Poles and brackets specifications

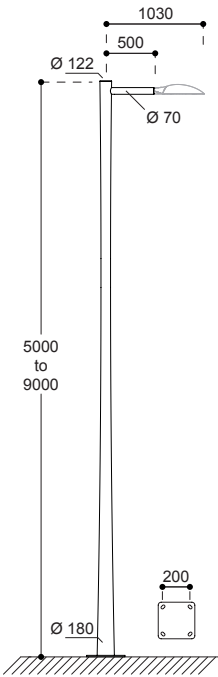
| Poles and brackets specifications | Slend | Bend | Curve |
|-----------------------------------|-------|------|-------|
|-----------------------------------|-------|------|-------|

Pole

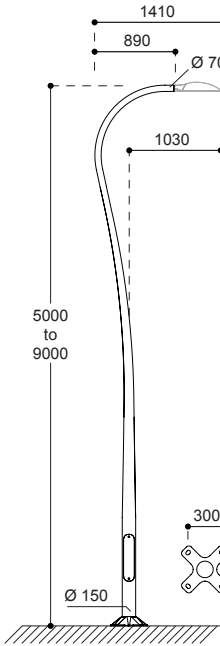
| | | | |
|-------------------|---|---|---|
| Material | Aluminium | Aluminium | Steel |
| Pole height | 5, 6, 7, 8 and 9 m | 5, 6, 7, 8 and 9 m | 5, 6, 7, 9 and 10 m |
| Installation type | Ground section | Ground section | Ground section |
| Color | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) |
| | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) |
| | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request |
| Certification | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 |

Bracket

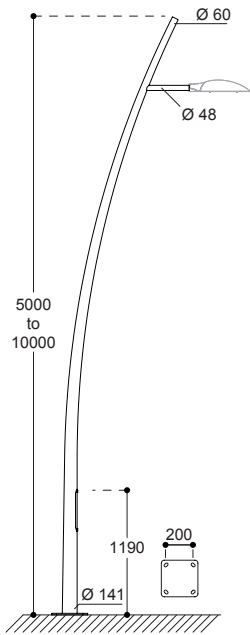
| | | | |
|-----------------------|--|--|-------|
| Material | Aluminium | Aluminium | Steel |
| Mounting to luminaire | Side-entry Ø 60 mm Side-entry Ø 48 mm | Side-entry Ø 60 mm Side-entry Ø 48 mm | |
| | | | |
| | | | |
| | | | |
| | | | |



Slend + MileWide²



Bend + MileWide²



Curve + MileWide²

Brackets specifications

| Brackets specifications | UrbanWave | Fidji | Spline | Caravelle | Batio | Féroé | Mayotte |
|-------------------------|--|--|--|--|--|--|--|
| Material | Steel | Steel | Aluminum | Steel | Steel (top Ø 60 mm) Aluminum (other) | Steel | Steel |
| Mounting to luminaire | Side-entry Ø 60 mm Side-entry Ø 48 mm | Side-entry Ø 60 mm Side-entry Ø 48 mm | Side-entry Ø 60 mm Side-entry Ø 48 mm | Side-entry Ø 60 mm Side-entry Ø 48 mm | Side-entry Ø 60 mm Side-entry Ø 48 mm | Side-entry Ø 60 mm Side-entry Ø 48 mm | Side-entry Ø 60 mm Side-entry Ø 48 mm |
| Mounting to support | Single or double arm bracket Post-top tenon for top Ø 60 mm | Single or double arm bracket Post-top tenon for top Ø 60 mm | Single or double arm bracket Post-top tenon for top Ø 60 mm Post-top cap for top Ø 76 mm | Single or double arm bracket Post-top tenon for top Ø 60 mm | Single or double arm bracket Post-top tenon for top Ø 60 mm | Single or double arm bracket Post-top tenon for top Ø 60 mm | Single or double arm bracket Post-top tenon for top Ø 60 mm |
| Rear bracket mounting | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm |
| Wall bracket mounting | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm | 2 points and fixing center 250mm |
| Tilt angle | 3° | 6° | 7° | 0° | 5° | 3° | 3° |
| Color | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) | Satin Silver Grey (close to RAL9006) |
| | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) | Philips Ultra Dark Grey (close to RAL7022) |
| | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request | Other RAL or AKZO colors available on request |
| Certification | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 | CE certification in accordance with standard EN40 |

