

MileWide^2

Performance and design in a perfect balance

PHILIPS

Design language

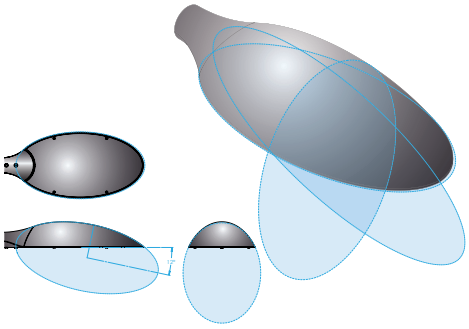
The idea behind the design

'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 Milewide^2, 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

Holscher Design
COPENHAGEN





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

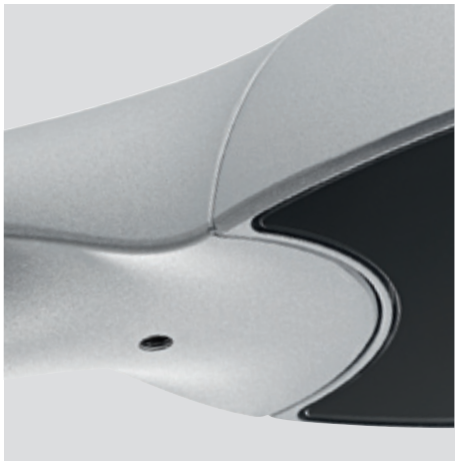
A total solution

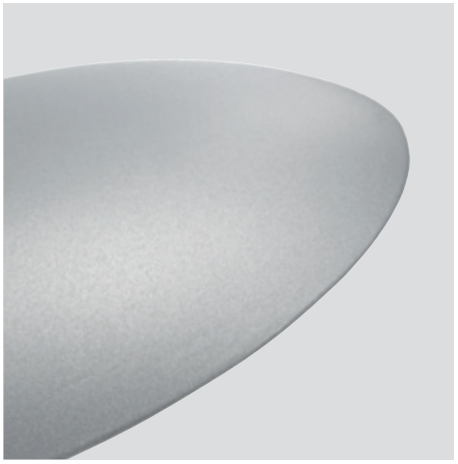
For many years the MileWide family is known by its excellent performance and own stylish design language. The new MileWide^2 family is the evolution of this well-known MileWide street lighting range, offering not only a new redesigned set of luminaires, but combined with poles and brackets as a whole, to offer you complete solutions that can elevate your street, city center or roads around your city. MileWide^2 is a family of two sizes, MileWide^2 and MileWide^2 large, dimensioned to fit installation heights up to 12 meter.

Designed to endure

MileWide^2 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.





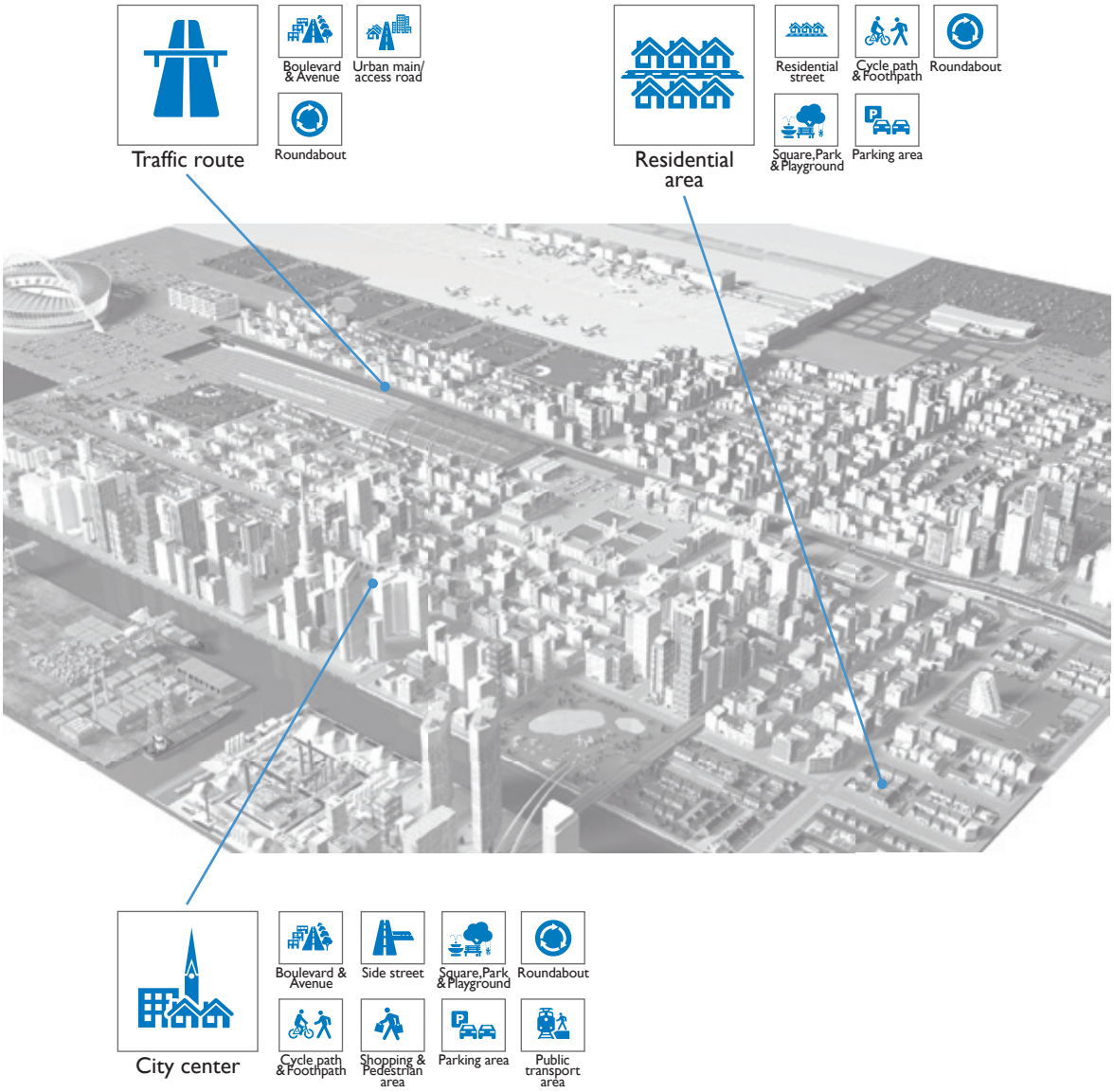


High performance, high comfort

MileWide^2 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 MileWide^2 uses flat glass to preserve the dark sky (0 candela at 90° / glare control) and ensures the best maintenance factor.

Applications

MileWide^2 is a street lighting solution that combines design with high quality lighting performance. Designed around and dedicated to the latest LED technology, the MileWide^2 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, MileWide^2 offers you a solution that aesthetically fits into many different architectural contexts, and a high flexibility in terms of applications.



Urban inspiration lighting

MileWide^2 is part of our Urban inspiration lighting portfolio and incorporating all necessary functional primarly 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



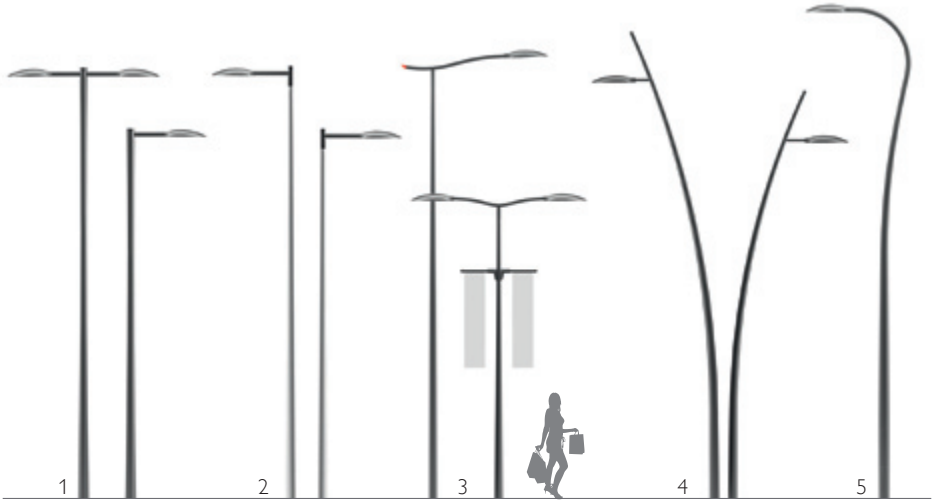
Dedicated spigot for side-entry:
Ø 48 mm for MileWide²
Ø 60 mm for MileWide² Large



Dedicated spigot for post-top
Ø 60/76 mm

MileWide² + dedicated complete sets

The genuine solutions Bend and Slend by Holsher 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 complet set **5.** Bend dedicated complete set

MileWide² dedicated complete sets

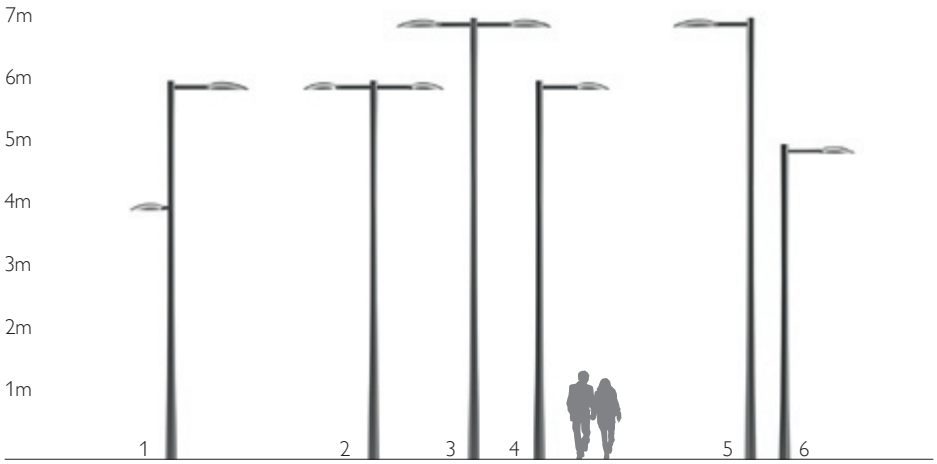
The MileWide² family can be combined with our dedicated Slend and Bend complete sets designed by Holscher Design, to give it a more creative and inspirational appearance.

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

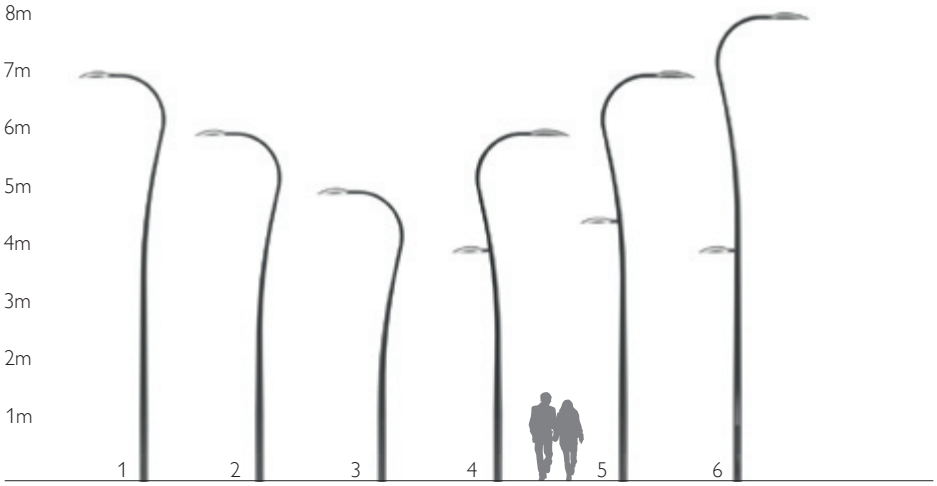


Bend pole

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

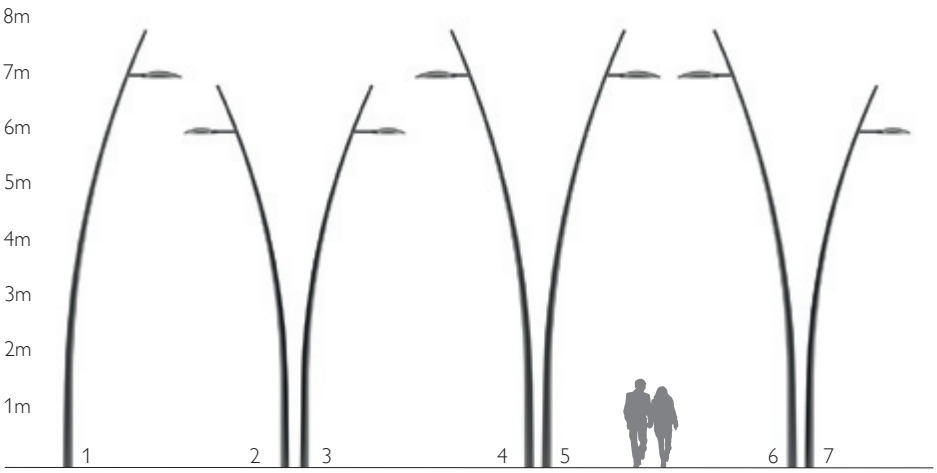
The MileWide² family can be combined with our standard poles and brackets portfolio to give it a more creative and inspirational appearance. Below some examples, but we have more complete set configurations available. Have a look in our Inspiration for urban complete sets catalogue.

Curve pole

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



MileWide² + Curve

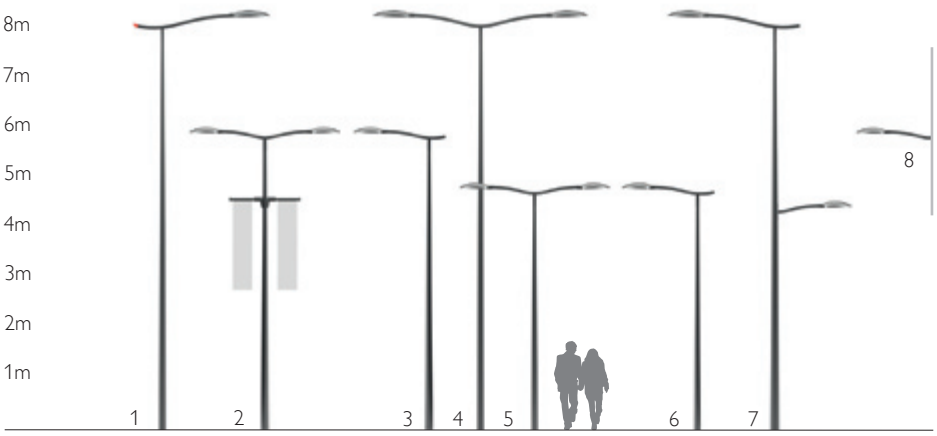


UrbanWave bracket

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



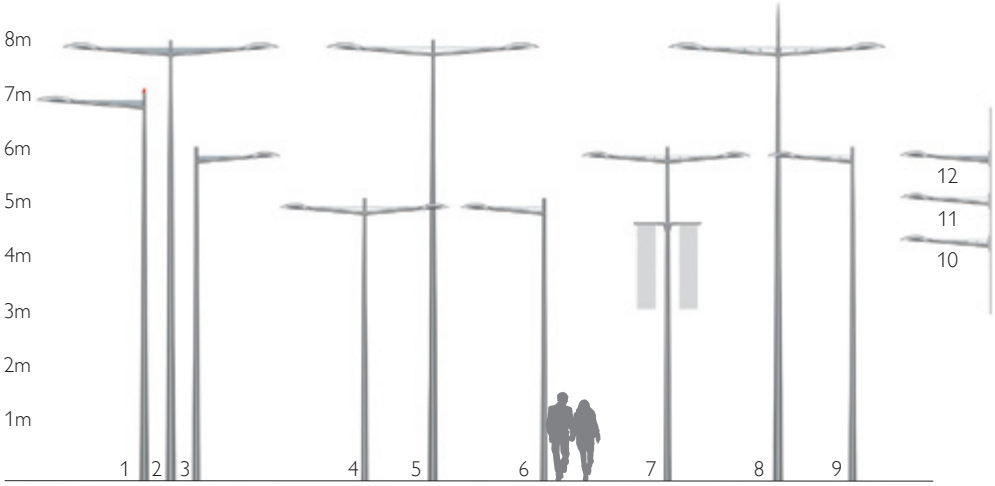
MileWide² standard complete sets

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

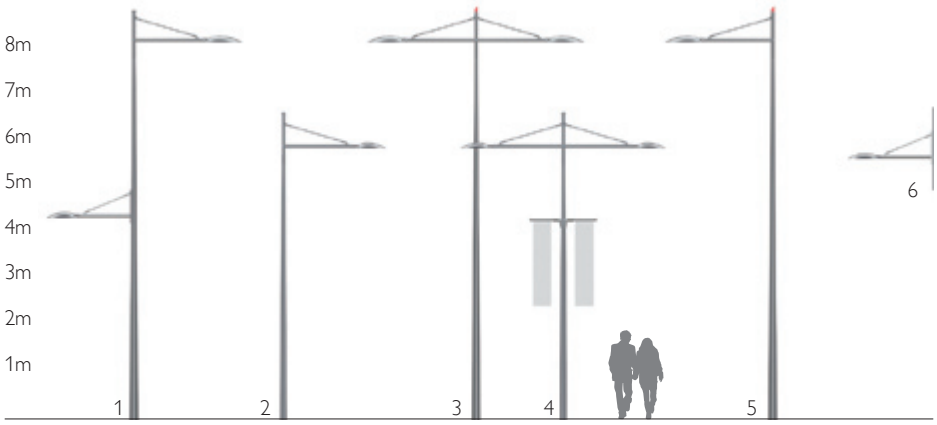


Caravelle bracket

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°

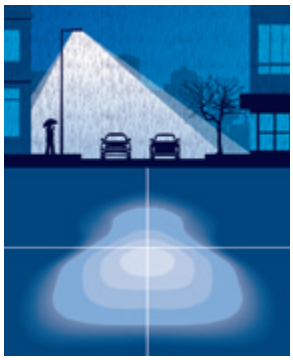
DW Distribution Wide



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°

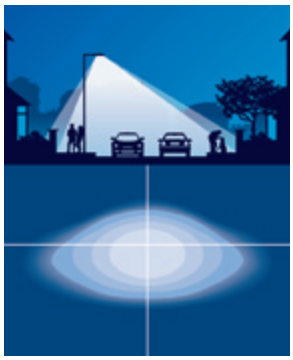
DK Distribution Medium for wet road conditions



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

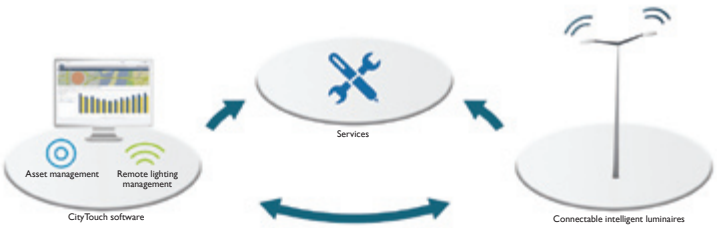
Lighting city streets, roads and public spaces presents many challenges. The dynamics of city life change constantly due to traffic density and different traffic levels. You need the right levels of lighting to respond to those changes and make the city feel safe, attractive and inviting. But you are 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.



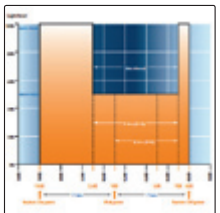
Accurate energy metering With accurate energy

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

MileWide^2 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.

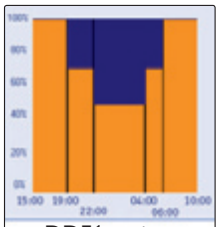


Dimming regimes

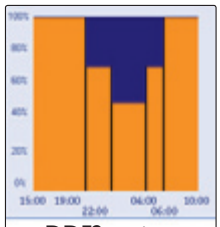


DynaDimmer control

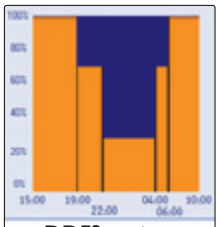
An integrated control system included in each light point - operated on electronic equipment and can be integrated into the Philips driver. It can apply 5 levels of power, (re)definable on the level and duration, per chosen light point. For example, an average energy saving of approximately 50% per year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



DDF1 regime



DDF2 regime



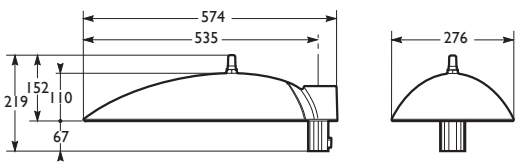
DDF3 regime



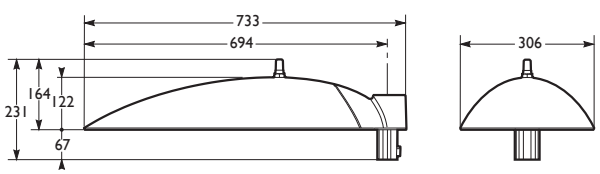
Main specifications

Product features	Specifications MileWide²	Specifications MileWide² 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 - 8,000 lm • neutral white: 1,750 - 9,000 lm	(depending on LED configuration) warm white: 7,300 - 13,300 lm • neutral white: 6,600 - 14,800 lm
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	1-10 V and DALI	1-10 V 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 1-10 V (D7/D9) • CityTouch client	LumiStep (LS) • DynaDimmer (DDF) • SDU (D4) External dimming 1-10 V (D7/D9) • CityTouch client
Mains voltage	210-240 V / 50-60 Hz	210-240 V / 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.

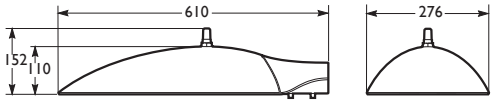
MileWide² - BPP435 - Post-top



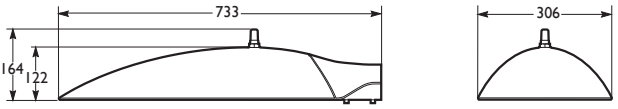
MileWide² Large - BPP436 - Post-top



MileWide² - BPP435 - Side-entry



MileWide² Large - BPP436 - Side-entry

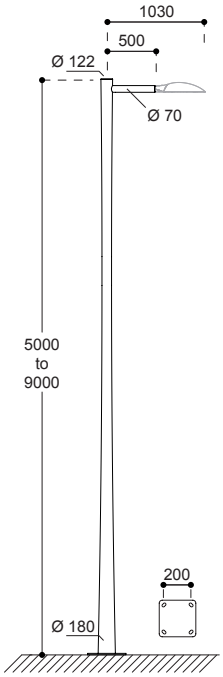


Conversion table

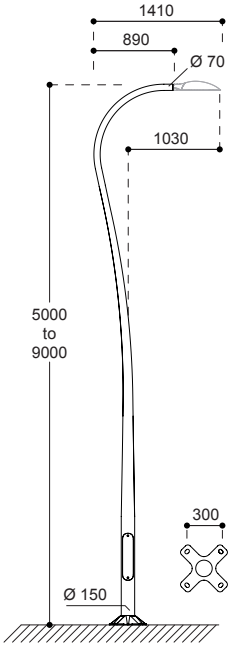
luminiare version	Product family codes	Greenline (GRN)	Source flux (lm)	System power WW (W)	System power WW (W)
Milewide²	BPP/BRP435	GRN19	1,900	15	14
Milewide²	BPP/BRP435	GRN22	2,200	18	16
Milewide²	BPP/BRP435	GRN25	2,500	21	19
Milewide²	BPP/BRP435	GRN30	3,000	25	23
Milewide²	BPP/BRP435	GRN35	3,500	30	27
Milewide²	BPP/BRP435	GRN40	4,000	35	32
Milewide²	BPP/BRP435	GRN45	4,500		36
Milewide²	BPP/BRP435	GRN50	5,000	38	
Milewide²	BPP/BRP435	GRN55	5,500		38
Milewide²	BPP/BRP435	GRN60	6,000	46	
Milewide²	BPP/BRP435	GRN65	6,500		46
Milewide²	BPP/BRP435	GRN70	7,000	56	
Milewide²	BPP/BRP435	GRN75	7,500		55
Milewide²	BPP/BRP435	GRN80	8,000	65	
Milewide²	BPP/BRP435	GRN85	8,500		63
Milewide²	BPP/BRP435	GRN90	9,000	73	
Milewide²	BPP/BRP435	GRN95	9,500		71
Milewide²	BPP/BRP435	GRN100	10,000	83	
Milewide²	BPP/BRP435	GRN105	10,500		79
Milewide²	BPP/BRP435	GRN115	11,500		86
Milewide² Large	BPP/BRP436	GRN81	8,100	61	
Milewide² Large	BPP/BRP436	GRN91	9,100	69	
Milewide² Large	BPP/BRP436	GRN96	9,600		66
Milewide² Large	BPP/BRP436	GRN101	10,100	78	
Milewide² Large	BPP/BRP436	GRN106	10,600		75
Milewide² Large	BPP/BRP436	GRN110	11,100	85	
Milewide² Large	BPP/BRP436	GRN116	11,600		82
Milewide² Large	BPP/BRP436	GRN120	12,000	95	
Milewide² Large	BPP/BRP436	GRN125	12,500		90
Milewide² Large	BPP/BRP436	GRN130	13,000	104	
Milewide² Large	BPP/BRP436	GRN135	13,500		98
Milewide² Large	BPP/BRP436	GRN140	14,000	113	
Milewide² Large	BPP/BRP436	GRN145	14,500		106
Milewide² Large	BPP/BRP436	GRN150	15,000	122	
Milewide² Large	BPP/BRP436	GRN155	15,500		115
Milewide² Large	BPP/BRP436	GRN160	16,000	131	
Milewide² Large	BPP/BRP436	GRN165	16,500		123
Milewide² Large	BPP/BRP436	GRN175	17,500		131
Milewide² Large	BPP/BRP436	GRN185	18,500		138

Poles and brackets specifications

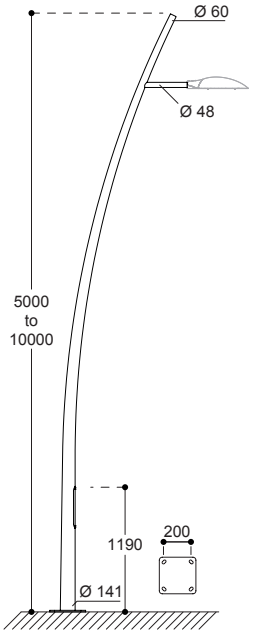
Poles and brackets specifications	Slend	Bend	Curve
Pole			
Material	Aluminium	Aluminium	Steel
Pole height	5, 6, 7, 8 and 9 m	5, 6, 7, 8 and 9 m	5, 6, 7, 9 and 10 m
Installation type	Ground section	Ground section	Ground section
Color	Satin Silver Grey (close to RAL9006)	Satin Silver Grey (close to RAL9006)	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



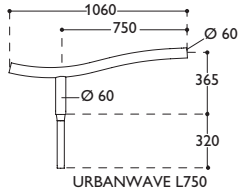
Bend + MileWide²



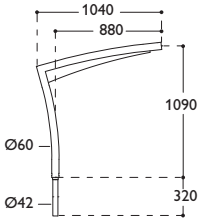
Curve + MileWide²

Brackets specifications

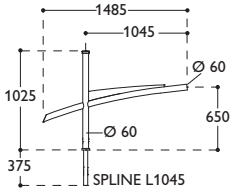
Brackets specifications	UrbanWave	Fidji	Spline	Caravelle	Batio	Féroé	Mayotte
Material	Steel	Steel	Aluminum	Steel	Steel (top Ø 60 mm) Aluminum (other)	Steel	Steel
Mounting to luminaire	Side-entry Ø 60 mm Side-entry Ø 48 mm	Side-entry Ø 60 mm Side-entry Ø 48 mm	Side-entry Ø 60 mm Side-entry Ø 48 mm	Side-entry 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 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm
Wall bracket mounting	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm	2 points and fixing center 250 mm
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



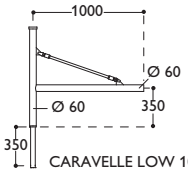
URBANWAVE L750



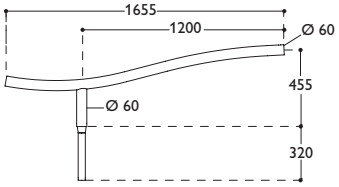
FIDJI L880



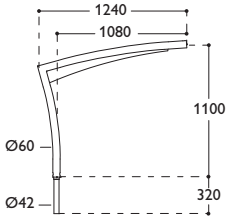
SPLINE L1045



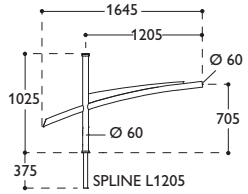
CARAVELLE LOW 1000



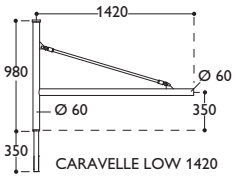
URBANWAVE L1200



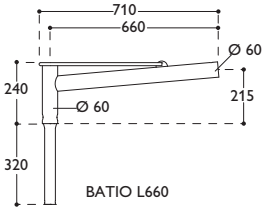
FIDJI L1080



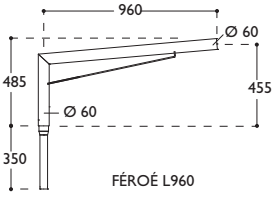
SPLINE L1205



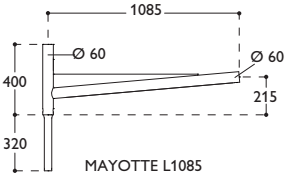
CARAVELLE LOW 1420



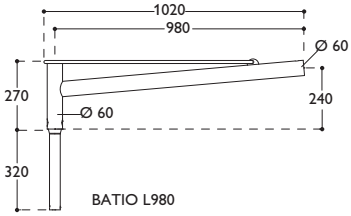
BATIO L660



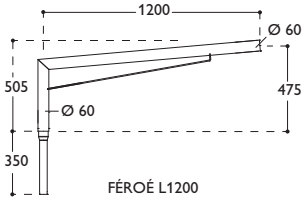
FÉROÉ L960



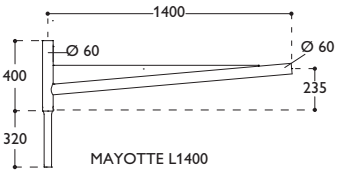
MAYOTTE L1085



BATIO L980



FÉROÉ L1200



MAYOTTE L1400



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