



FLEXIA





Schröder
Experts in lightability™

FLEXIA

The ultimate platform for your unique urban lighting solution



Explore your CREATIVITY

Various designs, many configurations, one single DNA. FLEXIA proves to be the ultimate platform to build your unique urban lighting solution.

Imagine being able to create something special, without limitations, for the people living and visiting different locations. With less technical limitations, more design consistency and the opportunity to take advantage of the latest innovations, FLEXIA offers a versatile technological platform with refined aesthetics.



FLEXIA

IS A GAME-CHANGER
FOR CITIES AND
ARCHITECTS WANTING TO
RAISE URBAN AND
OUTDOOR ACTIVITIES TO A
HIGHER LEVEL.
DESIGN IS EXPERIENCE.



FLEXIA Top
10 to 40 LEDs / 1,000 to 11,500lm



FLEXIA Maxi
60 to 80 LEDs / 10,000 to 20,000lm



FLEXIA Midi
10 to 40 LEDs / 1,000 to 13,500lm

EVERY DETAIL COUNTS

The perfect MATCH

FLEXIA+SOFIA

FLEXIA Midi and Maxi take advantage of a dedicated range of brackets to provide elegant solutions for multiple configurations. The Sofia brackets include single, double, wall and side variants to meet the requirements of your applications. FLEXIA Midi can also be associated with the post-top Evens bracket.



LISA
crown



MONA
crown



SCALA
crown



COPPA
internal
accessory



QUATTRO
internal
accessory



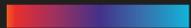
FLEXIA *Signature*

Schröder has the ambition to offer the best of both worlds: cutting-edge technologies from a worldwide leader and a deep customer intimacy to bring a personal touch to any project.

Schröder Studio delivers bespoke technical designs to solve customers' problems, whether they are related to specific electrical, connectivity or performance characteristics.

With our Schröder Signature division, find the right partner to focus on the aesthetics and co-create tailor-made, stylish lighting solutions that offer a unique visual experience in your outdoor areas.

No two places are the same. Enhance their identity with the right design.



From
concept
to reality,
Schröder
Signature
brings your
ideas to life!



Jewel in the CROWN

Lighting can sometimes be seen as a commodity and luminaires considered as basic urban amenities. But it is not an unavoidable law of nature: not all luminaires have to look the same.

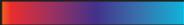
FLEXIA brings a new dynamic and breaks the rules. With its built-in custom capabilities, FLEXIA offers opportunities to create something different, utterly supportive to the purpose of a place, the heritage of a city or the visual identity of an entity. There are no limits to imagination.



Capture the mood OF THE MOMENT

People and cities are always in motion. Every week, there is something to celebrate, to commemorate or to praise.

Communities love to share meaningful moments and celebrate special events. FLEXIA shows its true colours to create engaging public spaces, boost social interaction and create a sense of spirit and pride.



Why should
luminaires be boring?

ACCESSORY
CROMA



FLEXIA: design is nothing without the right technology



**FLEXI
WHITE**

The right colour
temperature any time

PURE

Photometries for
advanced light control

**ZD⁴
NEMA[®]**

Open and connected
ready solutions



Direct access to
service portal

CIRCLELIGHT

Long life, long
use solutions



Light (ALWAYS) BE as it should

To choose is to forsake. When it comes to deciding which colour temperature you will opt for, it is never a happy moment.

You know that a colder white light optimises performance while a warmer one is more favourable to people and animal natural cycles. What if you didn't have to choose? The Schröder FlexiWhite solution launched with FLEXIA offers you the freedom to use the right colour temperature at any time. Whether it relies on pre-programmed scenarios, works with a remote control system, uses sensors or a mix of all, the FlexiWhite solution offers you the flexibility to provide the right level with the right colour temperature at the right place and the right time.



How is it possible?

With PCBA's using two types of LEDs (e.a. 2200K and 3000K), you can select one of the two colour temperatures or mix both at various levels (dimming) to create a palette of colour temperatures. As lenses cover the complete PCBA, the light distribution remains unchanged whatever you select.

MODE #1 Preservation of nature, promotion of motor-free mobility



AMBER

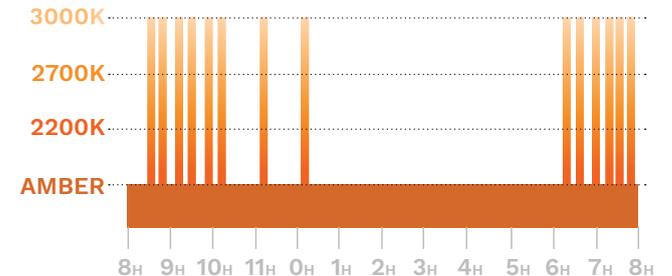
Nature-friendly, minimal safety lighting



3000K

people detection, maximised safety and comfort (high visibility)

Environment: Bike/pedestrian path
FlexiWhite solution: Amber as default, 3000K upon detection.



MODE #2 Attractiveness, ambiance and circadian rhythm



3000K – 30lux

Early evening/early morning
Stimulating atmosphere



2700K – 20lux

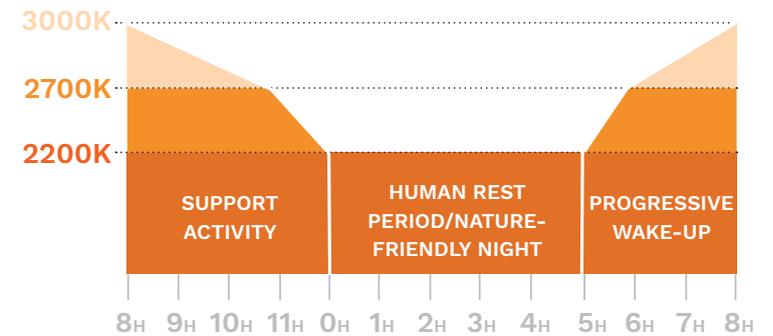
Evening/early night
Quieter ambiance



2200K – 5lux

Night
Completely calm mood

Environment: City centre
FlexiWhite solution: 2200K, 3000K and everything in between.



MODE #3 Seasonal adaptation to natural ambiance



3000K

Summer
(natural colours)



2200K

Winter
(warmer ambiance)

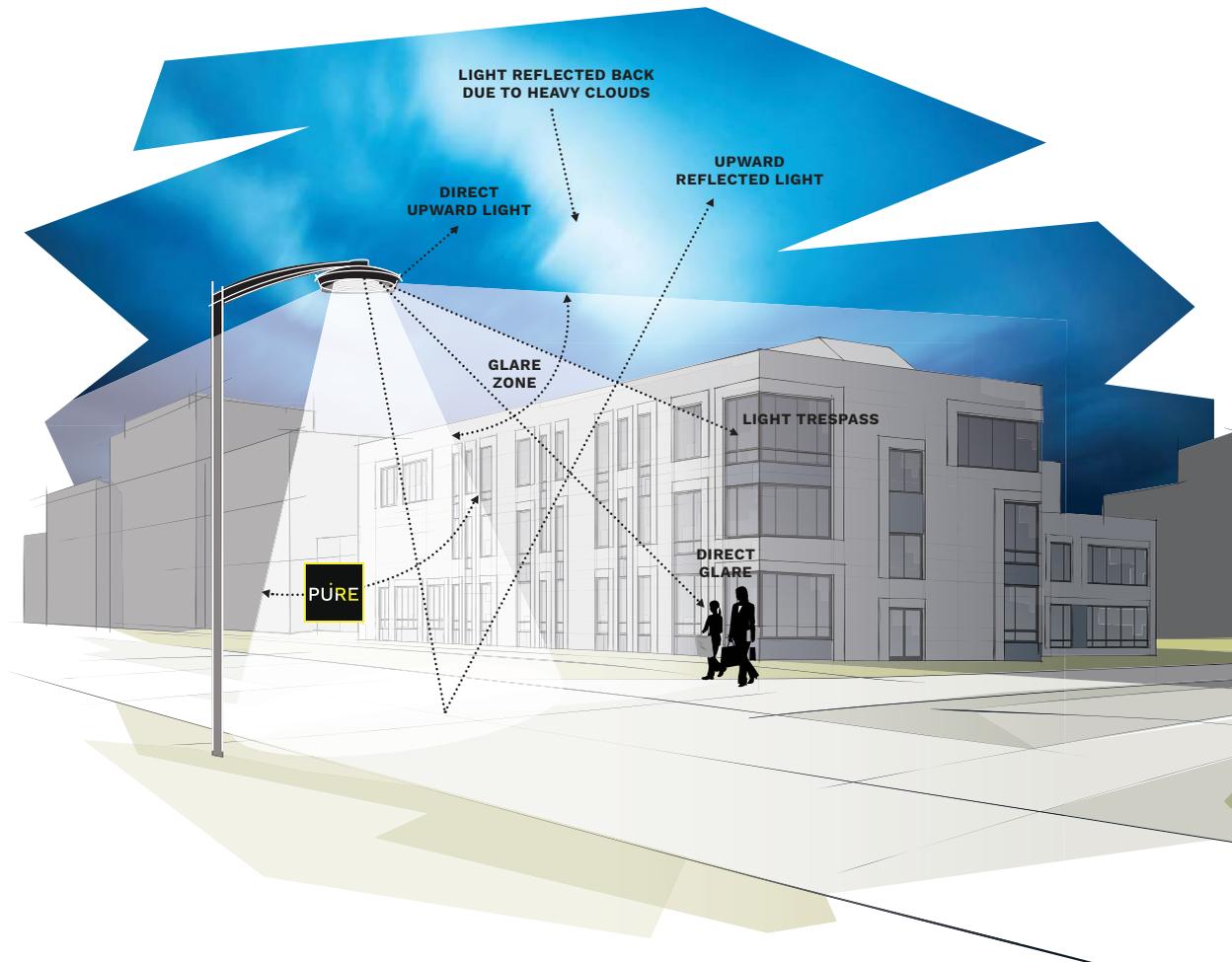
Environment: Village, ski resort
FlexiWhite solution: 2200K and 3000K

PURE

Dark sky,

BRIGHT IDEAS

With its PureNight concept based on high-end photometric designs, Schréder offers the ultimate solution to get the night sky back without switching off cities.



Schréder
PureNight
solutions:
direct the
light only
where it is
wanted and
needed.

Comply with the strictest environmental regulations

Each country, if not each region has its own environmental regulations. They can be more or less strict and focus on some specific criteria. On 1st January 2020, the French government introduced a new national law that is now seen as one of the most restrictive in Europe.

The French law:

- > **Limits ULOR to max. 1%;**
- > **Reduces glare: at least 95% of the light emission is confined to angles below 14.5 degrees from the horizontal;**
- > **Restricts the emission of blue light with CCT <3000K;**
- > **Restrains the amount of light to less than 35lm/sqm;**
- > **Prohibits intrusive lighting towards dwellings and any kind of lighting of waterways and sea.**

The PureNight certification software guarantees that your Schröder lighting solution satisfies environmental laws and requirements. Schröder has its own certified laboratory and is also endorsed by numerous independent certification bodies.

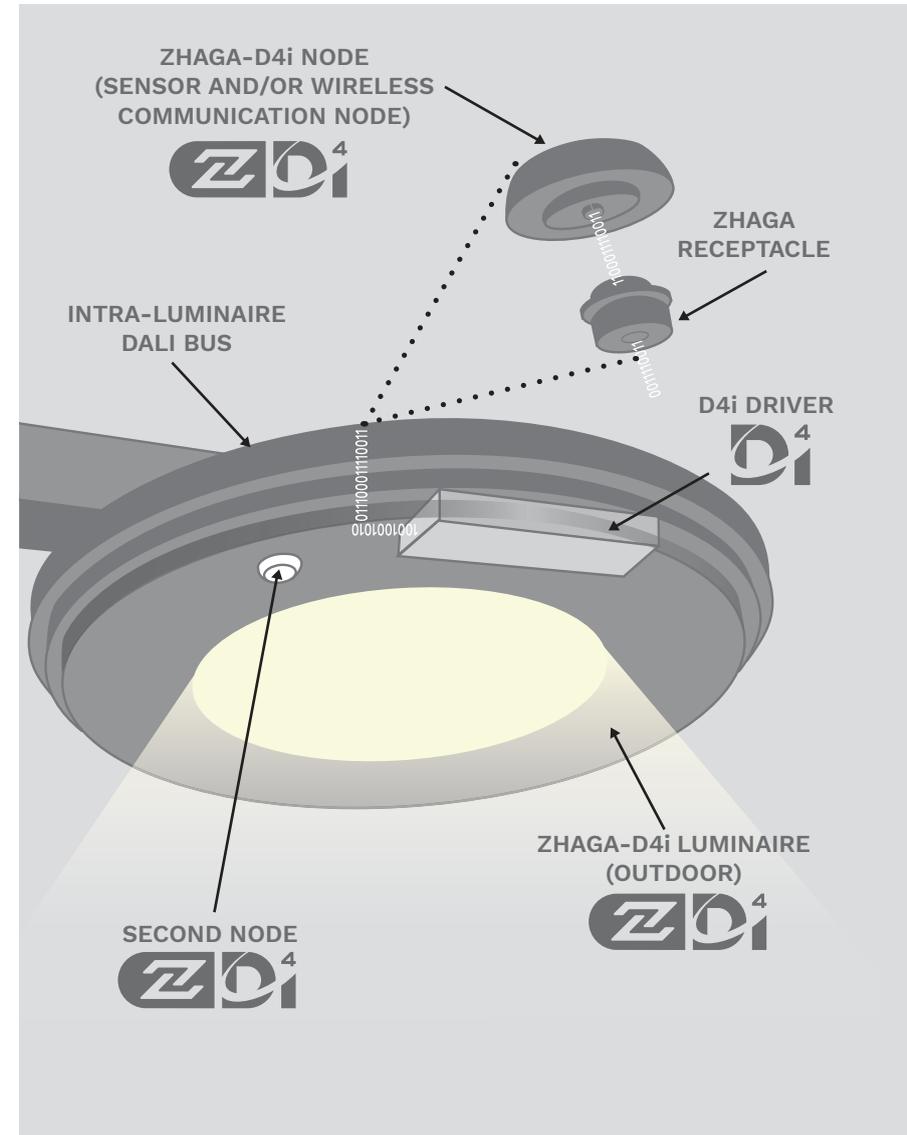
Smart CONNECTIVITY

NEMA or Zhaga,
keep complete
control!

Schröder does not want to lock you down with a proprietary control system. This is why FLEXIA not only offers one but two open and interoperable options based on industry standards. This freedom enables you to connect your lighting scheme and to be Smart City ready.

Zhaga D4i, or ZD4i: better together!

The Zhaga consortium joined forces with the DiiA and produced a single “Zhaga-Dali 4 intra-luminaire Dali” certification, so called ZD4i. As a founding member of the Zhaga consortium, Schröder has participated in the creation of, and therefore supports, the ZD4i certification program and the initiative of this group to standardise an interoperable ecosystem. FLEXIA is of course ZD4i certified.



NEMA or Zhaga: make an informed choice

Both ecosystems have their pros and cons. Schröder offers both solutions and can help you to make the best choice for your project.

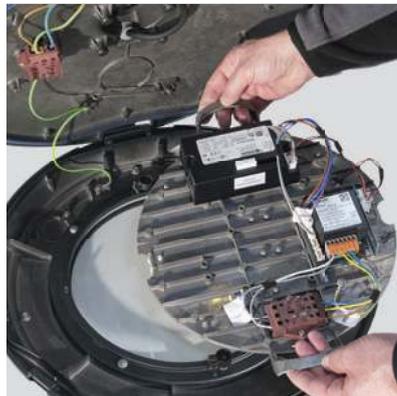
	NEMA	Zhaga D4i
KEY CHARACTERISTICS	<p>Widely recognised This socket has years of proven experience with over fifty manufacturers of drivers, LED's and controls systems.</p>	<p>New ecosystem Based on D4i communication bus ensuring full interoperability between multiple devices (drivers, controllers, presence sensors)</p>
	<p>Flexibility Today can function with both 1-10v & Dali2, tomorrow with D4i or another protocol. Two unspecified pins.</p>	<p>Safer but with power limitations Only 24V on the node which makes it safer to install. But this power limitation could prevent the use of some smart city applications and could limit the bandwidth of the control device. ZD4i runs only on Dali protocol.</p>
	<p>Remote firmware update As Smart City technology evolves, the control solutions and therefore the intelligence of your lighting can be updated remotely.</p>	<p>Architecture limitation The D4i protocol would not be able to transmit beyond-lighting data which would limit the ability for ZD4i sensors to be used to transmit data to the cloud.</p>
KEY ADVANTAGES	Mature technology	Blends into the luminaire (small socket, small controllers...)
	Keeps installation FutureProof	Cheaper socket (but more expensive driver)
	High bandwidth (ideal for Smart City and big data)	High interoperability





Making life EASIER!

FLEXIA has not only be designed to beautify your environment. It also embodies our ambition to raise the installation and maintenance operations to a new level of excellence.



- > Instant disconnection on opening
- > Tool-free opening/closing and mounting/dismounting
- > LED engine + electronics on the same plate



- > Innovative IzyHub: easy tool-free cabling for power and connectivity



- > Identical LensoFlex®4 engines for the whole range (Midi and Top)
- > Ideal for efficient management of spare parts
- > Limited variants, low stock needed for maintenance

Smart Label: the shortest route to our service portal!

- > Access luminaire information
- > Geotag the luminaire
- > Add your own references
- > Troubleshoot the luminaire
- > Order spare parts

(available soon)





The Circle

LIGHT

Many of the luminaires we supplied to cities back in the 1970s, are still working. We are proud of this as it demonstrates that our technical concepts, aimed at keeping our products operating on-site for as long as possible, had already led the way to a more sustainable world.

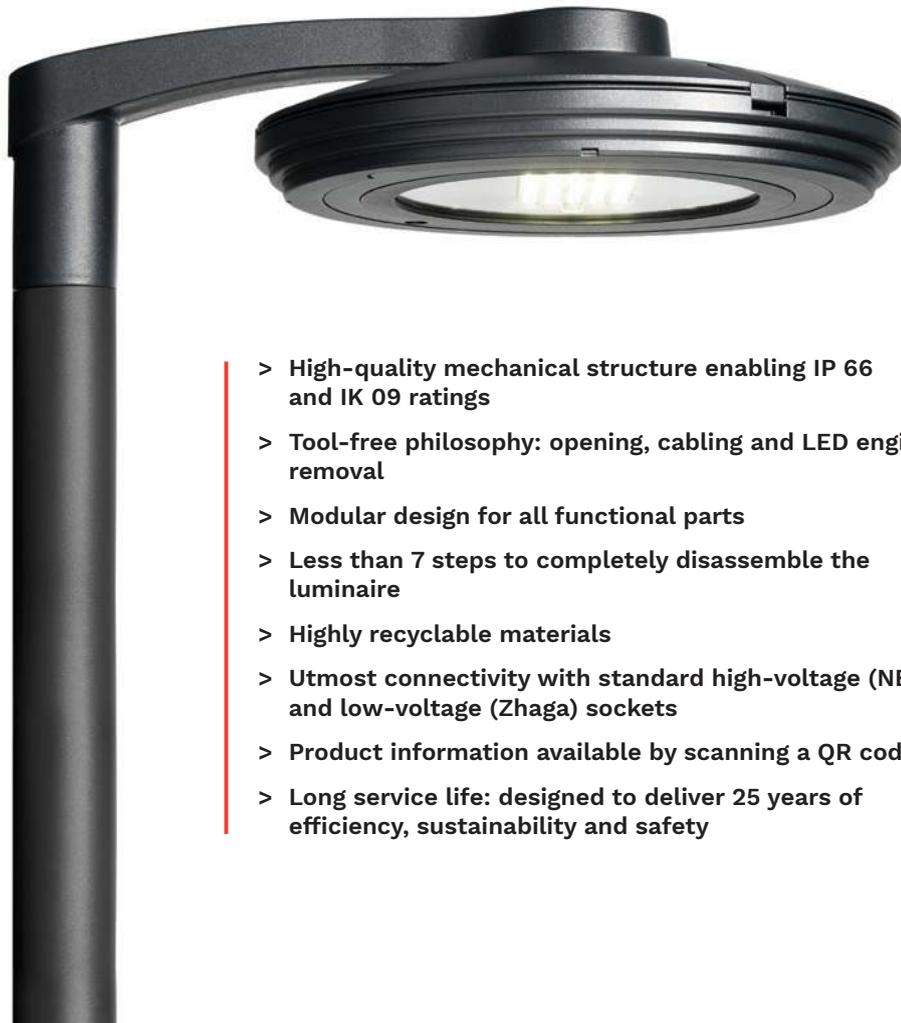
But now, we are going a step further with a more circular approach. The concept of circularity focuses on reducing the environmental burden through the optimisation of every material flow. In a circular economy, products are designed and built as part of a value stream where they will be used for as long as is feasible. Then, depending on their characteristics, they can be reused, refurbished, upgraded or recycled. Our Circle Light label aims assesses our luminaires based on 12 criteria covering all aspects of efficiency, ease of maintenance and disassembling and recycling capabilities.



CIRCLELIGHT

FLEXIA claims 4 stars

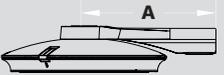
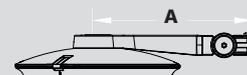
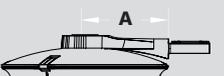
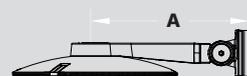
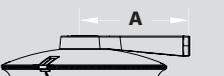
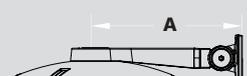
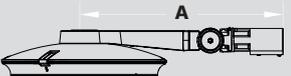
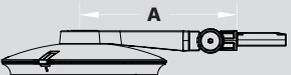
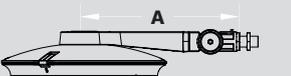
at the Circle Light assessment, not only due to its efficiency but also because of 8 circular highlights.

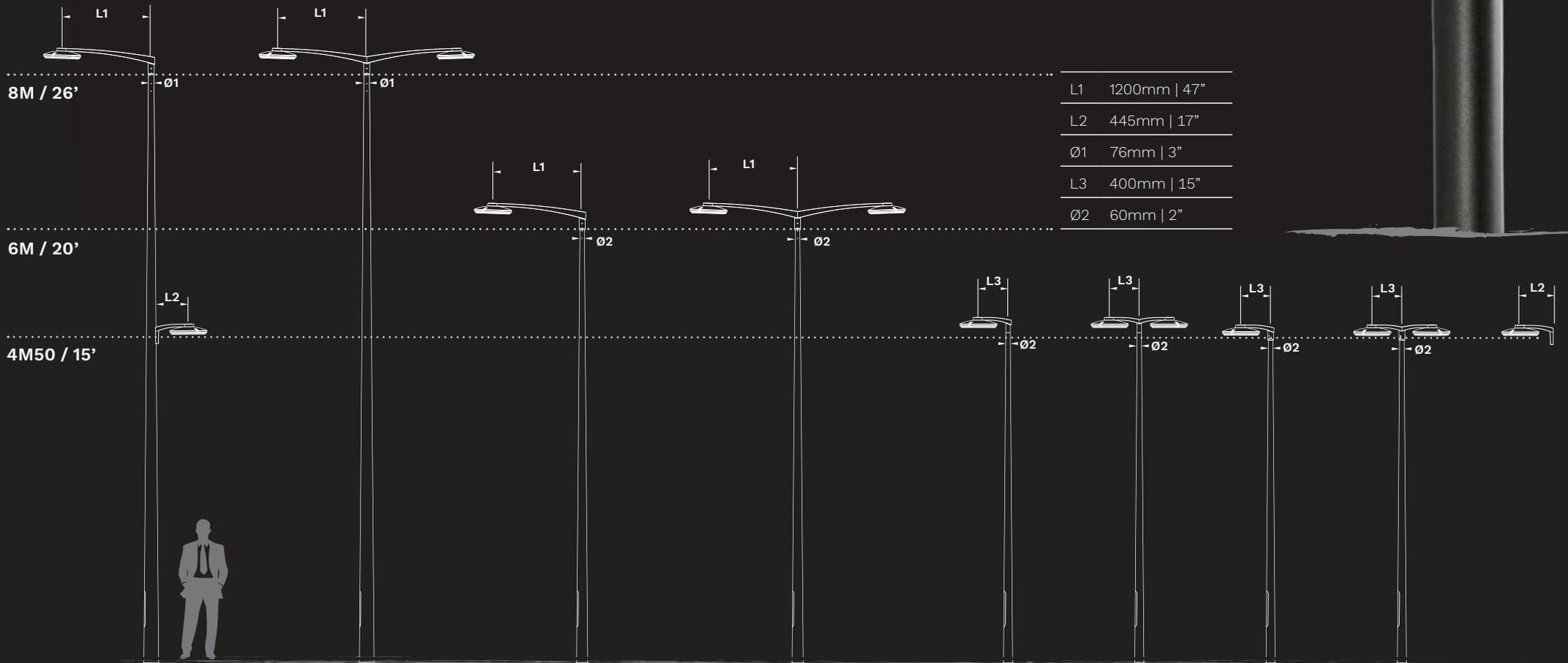


- > High-quality mechanical structure enabling IP 66 and IK 09 ratings
- > Tool-free philosophy: opening, cabling and LED engine removal
- > Modular design for all functional parts
- > Less than 7 steps to completely disassemble the luminaire
- > Highly recyclable materials
- > Utmost connectivity with standard high-voltage (NEMA) and low-voltage (Zhaga) sockets
- > Product information available by scanning a QR code
- > Long service life: designed to deliver 25 years of efficiency, sustainability and safety



Mounting possibilities and variants

	Type	A	Luminaire mounting part	To be used in combination with		Type	A	Luminaire mounting part	To be used in combination with
	FLEXIA Midi with side-entry enclosing mounting	390mm	Enclosing Ø60mm	Ø42-48mm spigot with a length of 120mm		FLEXIA Midi with knuckle joint 1" gas side-entry enclosing mounting	483mm	Enclosing threaded 1" gas tube	1" gas spigot
	FLEXIA Midi with side-entry penetrating spigot	249mm	Ø48mm penetrating spigot with a length of 125mm	Ø60mm tube		FLEXIA Midi with knuckle joint surface mounting	458mm	Surface mounting	Wall
	FLEXIA Midi with side-entry 40x40 square direct mounting	326mm	Square 40x40mm	Square bracket 40x40mm		FLEXIA Midi with knuckle joint rear bracket mounting	458mm	Mounting on cylindrical pole	Cylindrical pole
	FLEXIA Midi with knuckle joint side-entry enclosing mounting	458mm	Enclosing Ø60mm	Ø42-48mm spigot with a length of 100mm		FLEXIA Midi catenary fixed mounting	258mm	Fixed catenary rope mounting	Ø4-6mm cable
	FLEXIA Midi with knuckle joint side-entry penetrating spigot	473mm	Ø48mm penetrating spigot with a length of 125mm	Ø60mm tube		FLEXIA Midi catenary swiveling mounting (Dexo type)	300mm	Swiveling catenary rope mounting	Ø4-10mm cable
	FLEXIA Midi with knuckle joint side-entry 60x50 square mounting	458mm	Square 60x50mm	Square bracket 60x50mm		FLEXIA Midi suspended with fixed 1" gas mounting	226mm	1" male gas spigot	Threaded tube (1" gas)
	FLEXIA Midi with knuckle joint side-entry 1" gas mounting	483-539mm	1" male gas spigot	Threaded tube (1" gas)		FLEXIA Midi suspended with 1" gas enclosing mounting	257mm	Enclosing threaded 1" gas tube	1" gas spigot





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Signature



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