

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 has proven to be the ultimate platform for building your unique urban lighting solution.

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



FLEXIA FG

A versatile flat glass, suspended or side-entry luminaire. Available in two sizes to suit various applications and provide great modularity.



FLEXIA FG Maxi
30 to 80 LEDs / 2,000 to 22,000lm



FLEXIA FG Midi
10 to 40 LEDs / 1,000 to 12,000lm

FLEXIA TOP & FLEXIA DP

Create a welcoming ambiance with post-top and suspended versions that harmoniously integrate your urban environments with aesthetic consistency.



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



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

FLEXIA QUERCUS & FLEXIA POEME

Whether you go for a classical refined shape or an organic design,
FLEXIA POEME and FLEXIA QUERCUS blend perfectly into your
landscapes to create a unique ambiance.



FLEXIA QUERCUS Midi
(with clear or frosted protector)
10 to 40 LEDs / 1,000 to 12,000lm



FLEXIA QUERCUS Maxi
(with clear or frosted protector)
30 to 80 LEDs / 3,000 to 23,500lm



FLEXIA POEME
10 to 40 LEDs / 1,000 to 12,000lm

EVERY DETAIL COUNTS



LISA
crown



MONA
crown



SCALA
crown



COPPA
internal
accessory



QUATTRO
internal
accessory

The perfect MATCH

FLEXIA+SOFIA

FLEXIA takes 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 can also be associated with the post-top EVENS bracket.



FLEXIA *Signature*

Schröder aims to offer the best of both worlds: cutting-edge technologies from a worldwide leader and 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 uniqueness 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 reinforce the identity of an environment. It can either blend into a landscape by matching a transport company's branding or be a privileged devotee of local heroes by wearing a sports team's colours. With FLEXIA SIGNATURE, there are no limits to the imagination.



COMMUNITY

Proud member of a

The three crosses of Saint Andrew are the well-known symbol of the city of Amsterdam in the Netherlands. They are famous worldwide, even as far as the neighbourhood of New Amsterdam in New York city! In Amsterdam, this symbol is spread all over the capital: on buildings, on poles, on sidewalks, and even on boats.

The state of Baden-Württemberg has resulted from the merger of three German regions where prosperity and well-being reign. The Baden-Württemberg blazon symbolises the unity of the three areas through three black lions on a golden background.

Why could luminaires not support a specific emblem and boast local pride? FLEXIA SIGNATURE provides the perfect medium for embodying a community identity, creating city branding consistency and reinforcing the sense of belonging.





Amsterdam - Holland





INDUSTRIAL SUCCESS

Celebrate craftsmanship or

All over the world, cities proudly celebrate the local craftsmanship, ancestral know-how and industrial successes that shaped their heritage and still contribute nowadays to their identity. FLEXIA SIGNATURE can acknowledge local expertise with a specific design that pays tribute to this vital part of the city's character. It can take the form of a handcrafted material, such as copper in the Middle East where this artisanship is ancestral.

FLEXIA SIGNATURE can also contribute to shedding light on the industrial leadership of a region. When you know that the mechanics, casing and final inspection of a timepiece must all be carried out in Switzerland to earn the 'Swiss made' hallmark, you understand how punctilious the watch industry is, where high-quality mechanisms are coupled with premium materials!



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.

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



AMBER

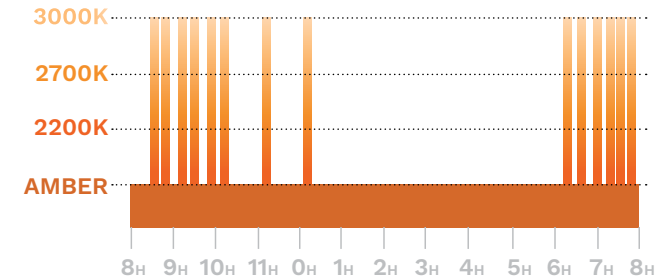
Nature-friendly,
minimal safety lighting



3000K

people detection, maximised
safety and comfort (high visibility)

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



MODEL#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

Environnement: City centre

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

MODEL#3 Seasonal adaptation to natural ambiance



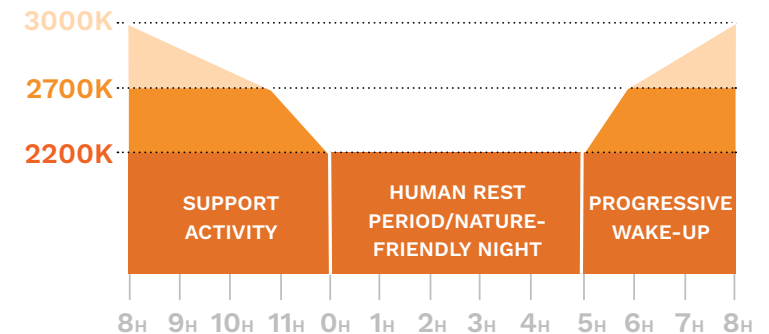
3000K

Summer
(natural colours)



2200K

Winter
(warmer ambiance)



Environment: Village, ski resort

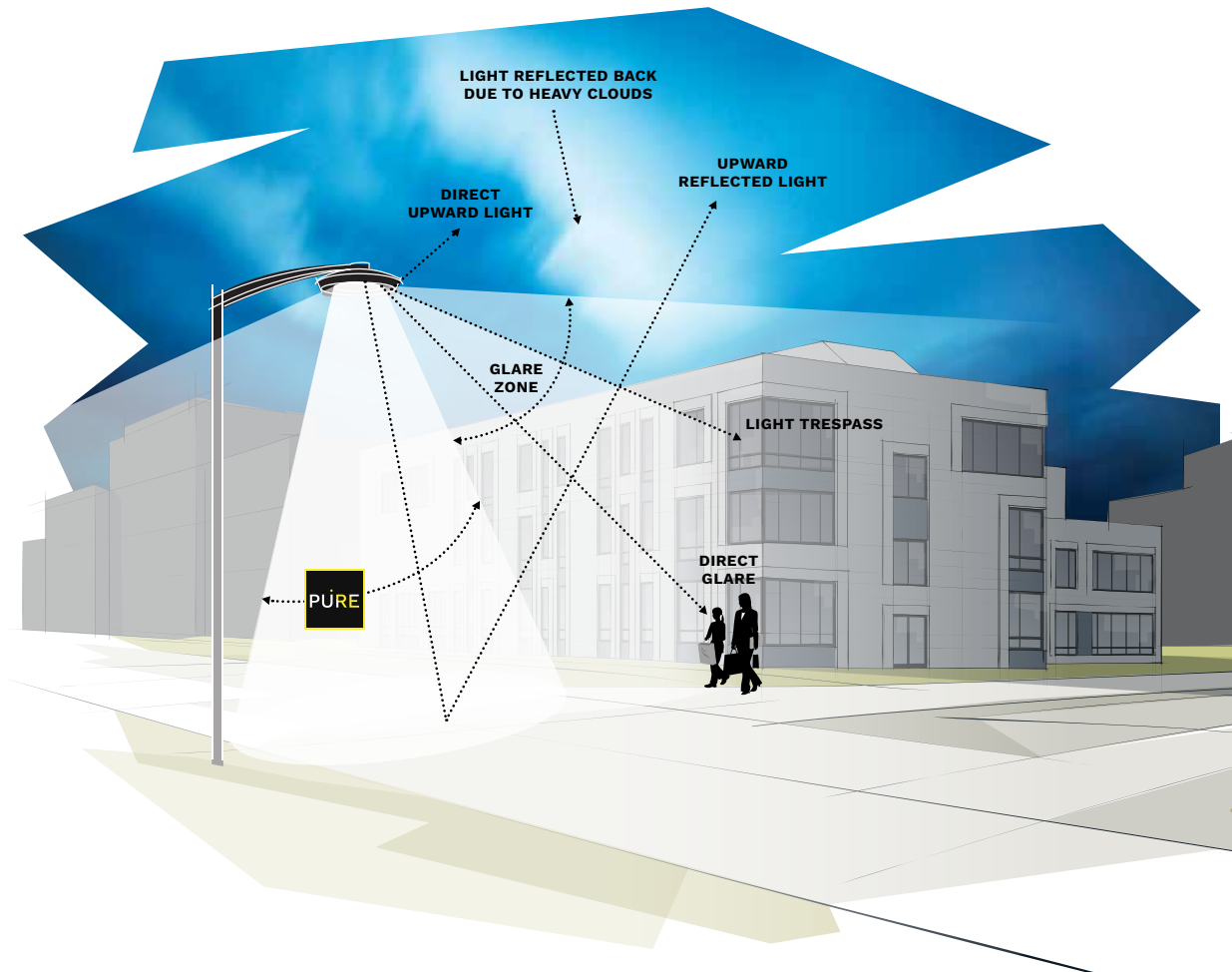
FLEXI WHITE solution: 2200K and 3000K

PURE

Dark sky,

BRIGHT IDEAS

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



Schröder
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.



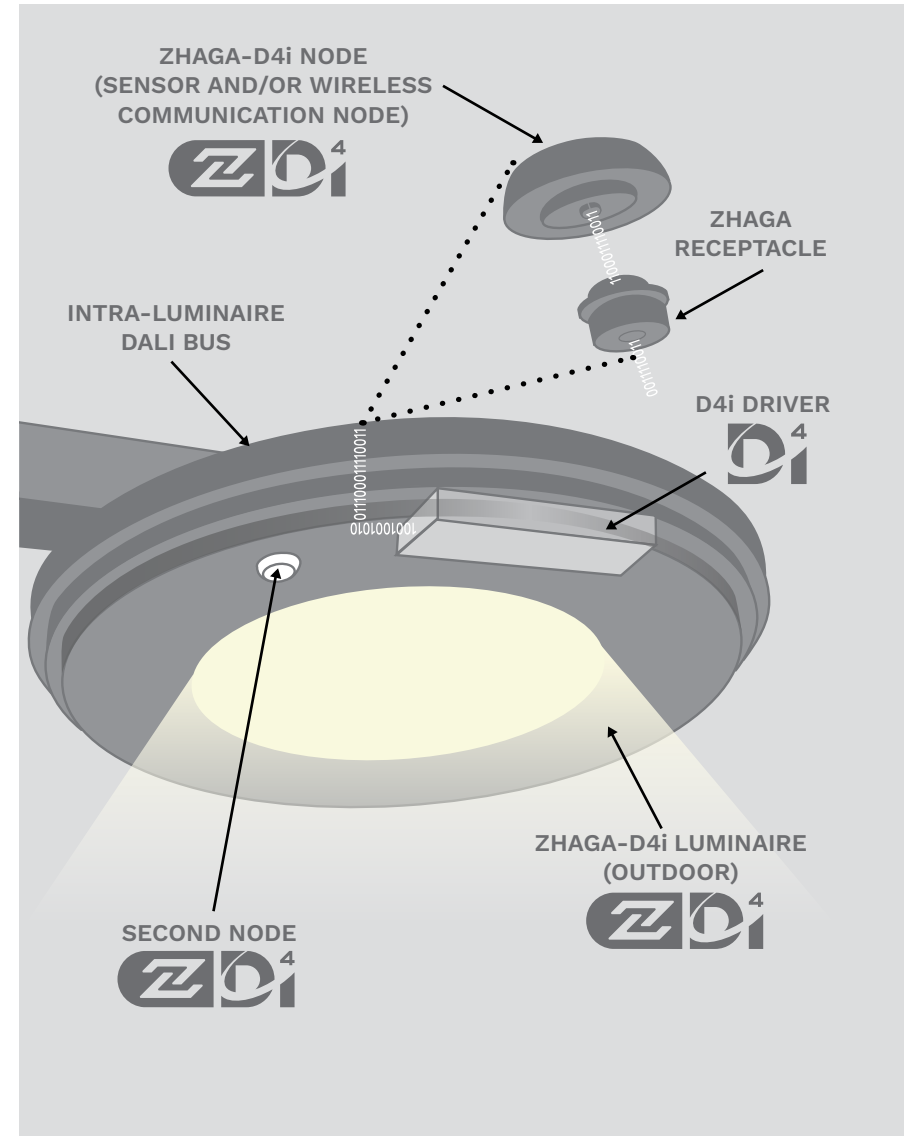
Smart CONNECTIVITY

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: better together!

The Zhaga consortium joined forces with the DiiA and produced a single “Zhaga-Dali 4 intra-luminaire Dali” certification, so called Zhaga-D4i. As a founding member of the Zhaga consortium, Schröder has participated in the creation of, and therefore supports, the Zhaga-D4i 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	Widely recognised This socket has years of proven experience with over fifty manufacturers of drivers, LED's and controls systems.	New ecosystem Based on D4i communication bus ensuring full interoperability between multiple devices (drivers, controllers, presence sensors)
	Flexibility Today can function with both 0-10V & DALI 2, tomorrow with D4i or another protocol. Two unspecified pins.	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. Zhaga-D4i runs only on DALI protocol.
	Remote firmware update As Smart City technology evolves, the control solutions and therefore the intelligence of your lighting can be updated remotely.	Architecture limitation The D4i protocol would not be able to transmit beyond-lighting data which would limit the ability for Zhaga-D4i sensors to be used to transmit data to the cloud.
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
- > 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





The Circle

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.

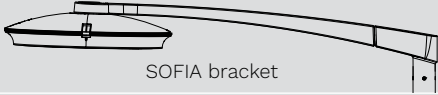
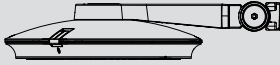
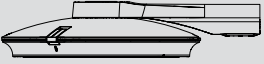
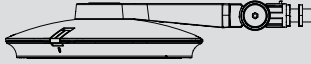

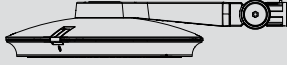
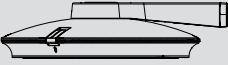
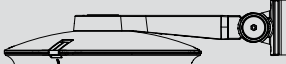
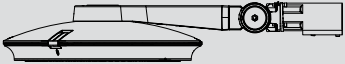
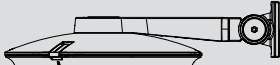



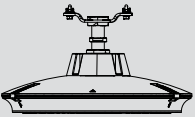
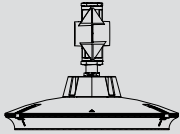
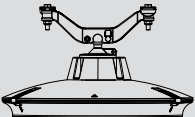
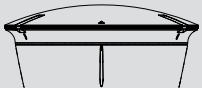
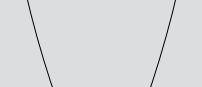
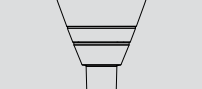
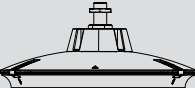


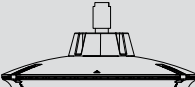

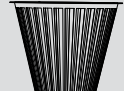
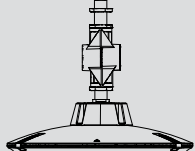

- > High-quality mechanical structure enabling IP 66 and IK 09 ratings
- > Tool-free philosophy: opening, cabling and LED engine removal
- > Modular design for all functional parts
- > Less than 7 steps to completely disassemble the luminaire
- > Highly recyclable materials
- > Utmost connectivity with 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

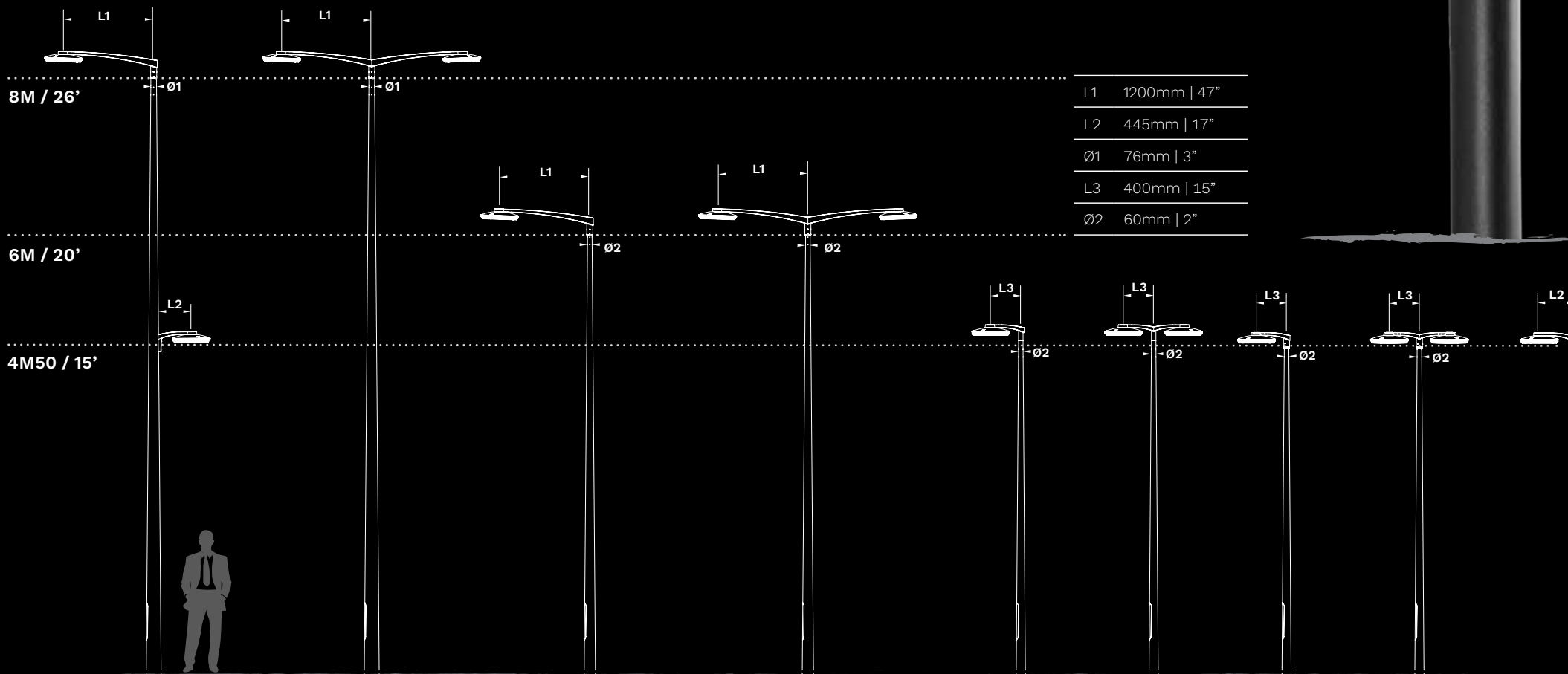


Mounting options and variants

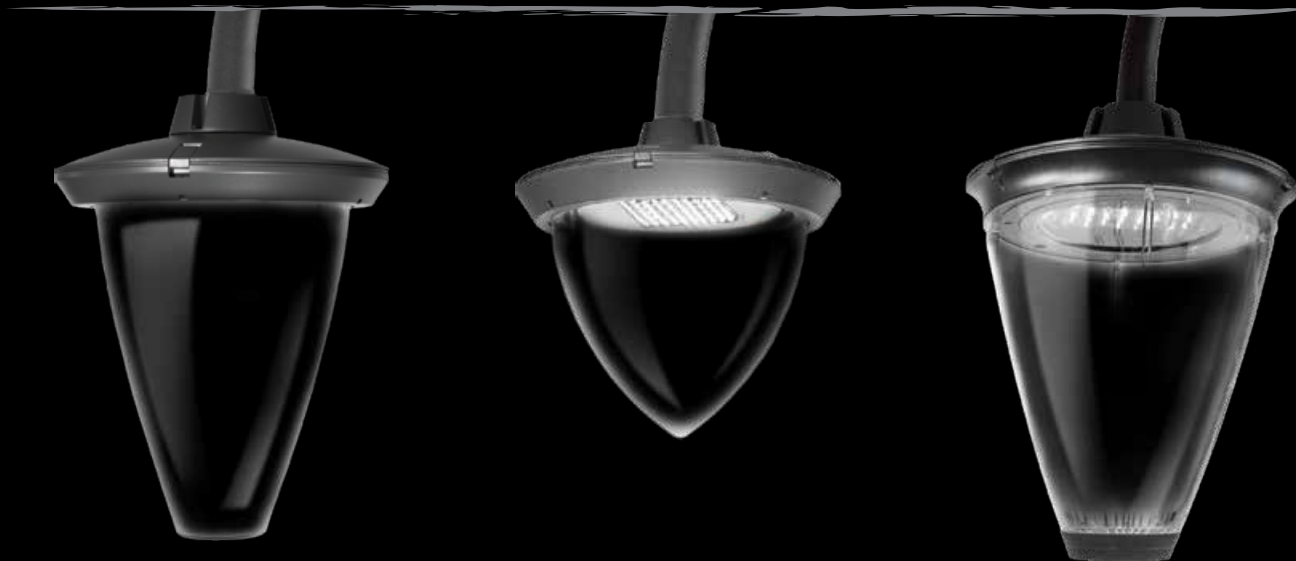
FLEXIA

	FLEXIA								FLEXIA						
	FG Midi	FG Maxi	TOP Midi	DP Midi	POEME Midi	QUERCUS Midi	QUERCUS Maxi		FG Midi	FG Maxi	TOP Midi	DP Midi	POEME Midi	QUERCUS Midi	QUERCUS Maxi
 <p>SOFIA bracket</p>	✓	✓	NA	✓	✓	✓	✓	 <p>Knuckle joint side-entry 60x50 square mounting</p>	✓	✓	NA	✓	✓	✓	-
 <p>Side-entry enclosing mounting</p>	✓	✓	NA	✓	✓	✓	-	 <p>Knuckle joint 1" gas male side-entry enclosing mounting</p>	✓	✓	NA	✓	✓	✓	-
 <p>Side-entry penetrating spigot</p>	✓	✓	NA	✓	✓	✓	-	 <p>Knuckle joint 1" gas female side-entry enclosing mounting</p>	✓	✓	NA	✓	✓	✓	-
 <p>Side-entry 40x40 square direct mounting</p>	✓	✓	NA	✓	✓	✓	-	 <p>Knuckle joint surface mounting</p>	✓	✓	NA	✓	✓	✓	-
 <p>Knuckle joint side-entry enclosing mounting</p>	✓	✓	NA	✓	✓	✓	-	 <p>Knuckle joint rear bracket mounting</p>	✓	✓	NA	✓	✓	✓	-
 <p>Knuckle joint side-entry penetrating spigot</p>	✓	✓	NA	✓	✓	✓	-								

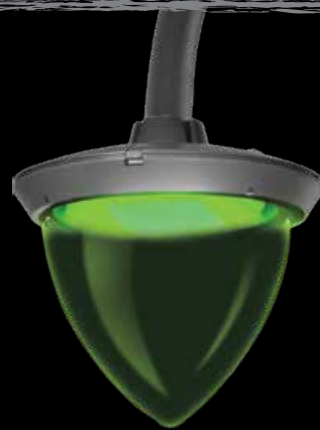
FLEXIA	FG Midi	FG Maxi	TOP Midi	DP Midi	POEME Midi	QUERCUS Midi	QUERCUS Maxi	FLEXIA	FG Midi	FG Maxi	TOP Midi	DP Midi	POEME Midi	QUERCUS Midi	QUERCUS Maxi
 <p>Catenary fixed mounting</p>	✓	-	NA	-	-	-	-	 <p>Suspended and knuckle joint 1" gas female enclosing mounting</p>	✓	✓	NA	✓	✓	✓	✓
 <p>Catenary swiveling mounting (DEXO type)</p>	✓	-	NA	-	-	-	-	 <p>Post-top mounting Ø60mm (2 screws)</p>	NA	NA	✓	NA	NA	NA	NA
								 <p>Post-top mounting Ø60mm (6 screws)</p>	NA	NA	✓	NA	NA	NA	NA
								 <p>Post-top mounting Ø76mm (2 screws)</p>	NA	NA	✓	NA	NA	NA	NA
 <p>Suspended with fixed 1" and 1 1/4" gas male mounting</p>	✓	✓	NA	✓	✓	✓	✓	 <p>Lisa skirt</p>	✓	✓	✓	✓	✓	✓	✓
								 <p>Mona skirt</p>	✓	✓	✓	✓	-	-	-
 <p>Suspended with 1" gas female enclosing mounting</p>	✓	✓	NA	✓	✓	✓	✓	 <p>Scala skirt</p>	✓	✓	✓	✓	-	-	-
								 <p>Coppa</p>	-	-	✓	✓	✓	-	-
 <p>Suspended with knuckle joint 1" gas male mounting</p>	✓	✓	NA	✓	✓	✓	✓	 <p>Quattro</p>	-	-	✓	✓	-	-	-







Schröder
Signature



Schröder

Experts in lightability™