

LEDVANCE.COM



# LEDVANCE PERFORMANCE CLASS STREETLIGHT FLEX

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OSRAM for lamps products in general lighting.





# MEET LEDVANCE PERFORMANCE CLASS STREETLIGHT FLEX

Good street lighting has to combine different requirements. Modern luminaire concepts help improve the quality of light and therefore traffic safety, lower costs for energy and maintenance, and reduce unwanted light pollution, for example in living rooms or in the night sky.

## EFFICIENT, DURABLE AND FLEXIBLE

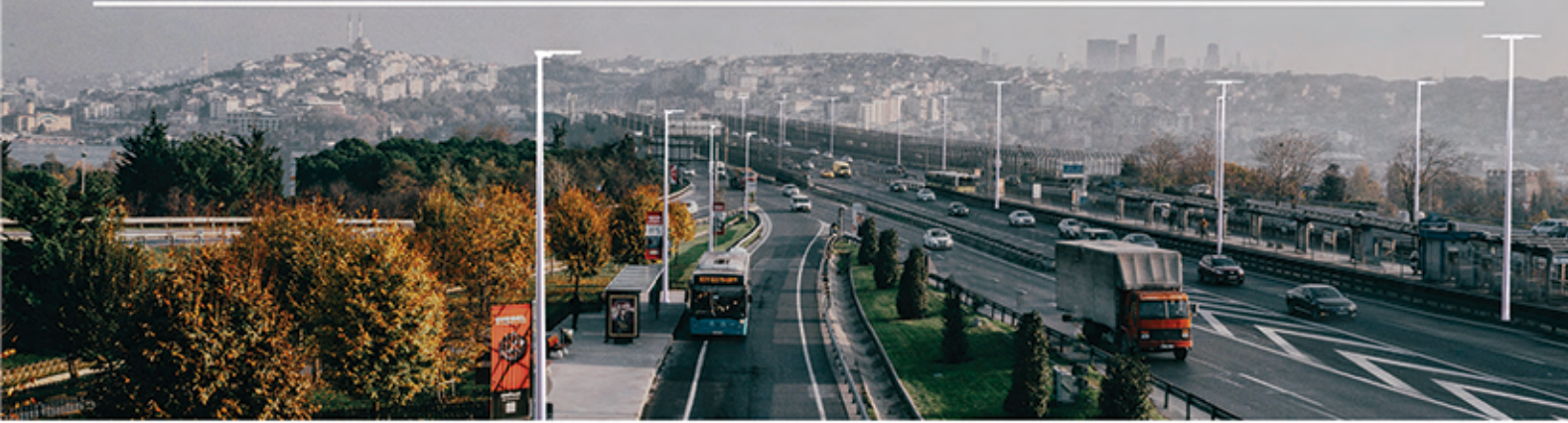
High performance, safe, sustainable and attractive road lighting Luminaire that enables you to save on energy and resources, optimize maintenance efficiency, while getting you ready for the digital age. Designed exclusively for roads and streets to meet the highest performance and safety specifications



### FEATURES & BENEFITS

- Quality features to be taken into account include luminance, illuminance, uniformity and glare limitation as well as the illumination of surrounding areas
- Voltage surge protection 15kV (L-N)
- Color Rendering Index (Ra) > 70
- Wattage Range from 13W to 270W up to 148 lm/W
- Luminaire Lifetime: 100,000 hours (L90B10):
- Operating temperature: -30° - +55°C
- Available in 13W up to >140 lm/W
- Surge protection: 15kV (L-N)
- Guarantee: 5 years Standard.
- Tool free maintenance.





**High-Power ceramic LEDs**  
 Help to achieve Long LED Lifetime with excellent heat resistant. LED Chip TM21  
 Calculation:  
 200,000 Hrs L90B10 Ts = 85C

**Modular design arrangement**  
 Module Assembly concept of PCB leads to more convenient maintenance

**The Spigot**  
 Suitable for Post-top and side entry installation -15° to +15° steps of 2.5°

**TOOL FREE MAINTENANCE**  
 Thanks to advanced clips design, separate gear.

**ENTIRELY STREAMLINE APPEARANCE DESIGN**  
 Clear and smooth leads to dust free and easy cleaning.

**ULTRA-TRANSPARENCY GLASS**  
 Provides very high light transmittance and protect the lens from high temperature and deterioration

**PROFESSIONAL LIGHTING DISTRIBUTIONS**  
 Provides uniformity and less glare

# APPLICATION AREAS



 **RESIDENTIAL AREA**

 **HIGHWAYS**

 **INDUSTRIAL AREA**

 **RING ROAD**

 **CAR PARK**

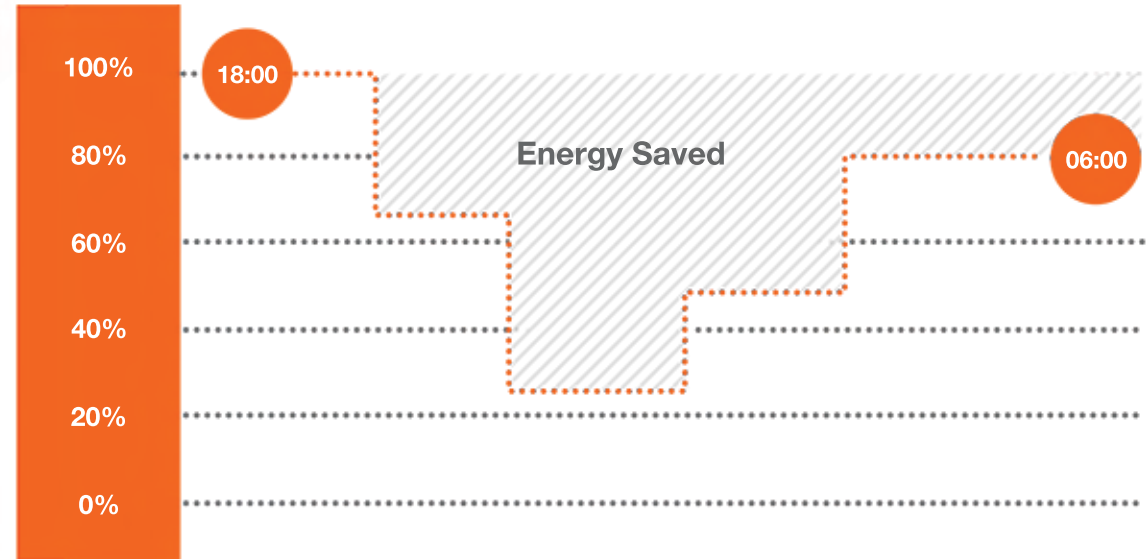
 **MOTOR WAYS**





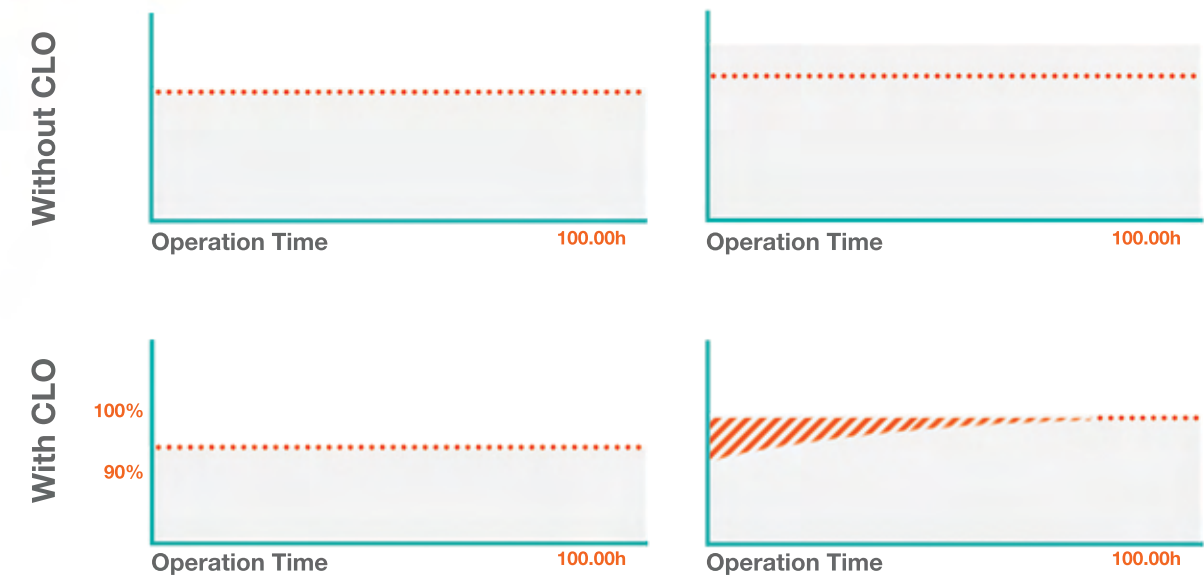
## SMART PRESET DIMMING

### MULTI-STEP TIME-BASED DIMMING



LEDVANCE Pro programmable driver incorporates the multi-step dimming feature with 5 steps which will maximize energy savings by providing the different preset levels of light throughout the night. The times and light levels are fully flexible to suit the required lighting profile as per the client request.

### CONSTANT LIGHT OUTPUT



LEDVANCE Pro programmable driver can be programmed to ensure that the LEDs will always deliver the necessary light level, by increasing the operating current over time to compensate for the LED lumen depreciation. This is achieved by taking in considering the expected LMF as an additional light and take it away at the beginning to produce extra energy saving and extend the lifetime of the system.

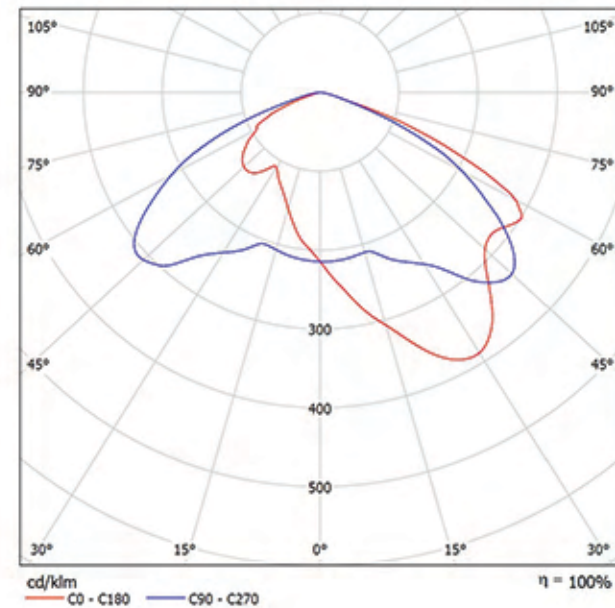
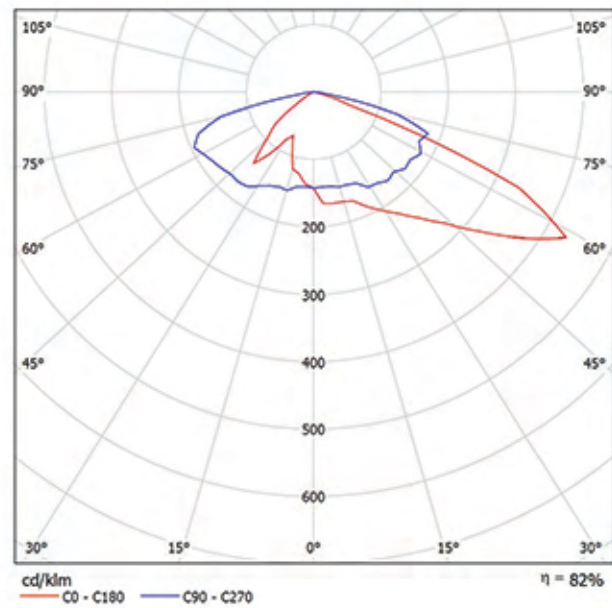
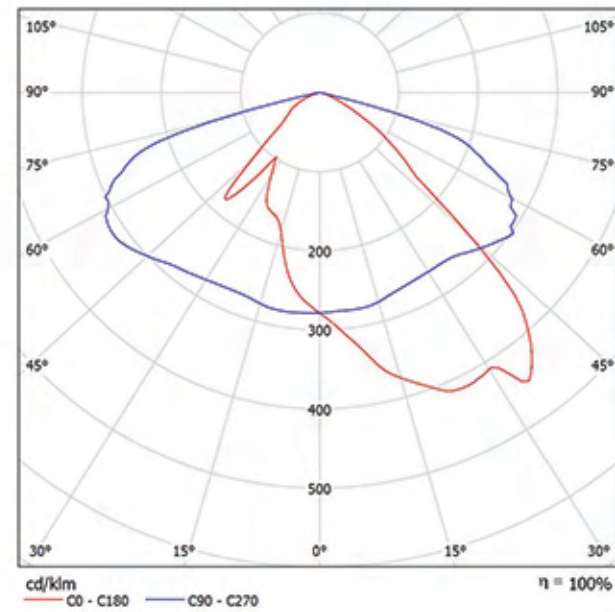
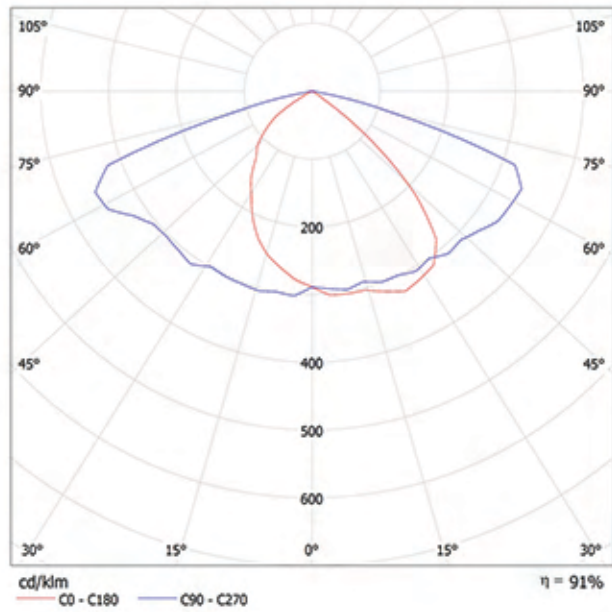


## LIGHT DISTRIBUTION DETAILS

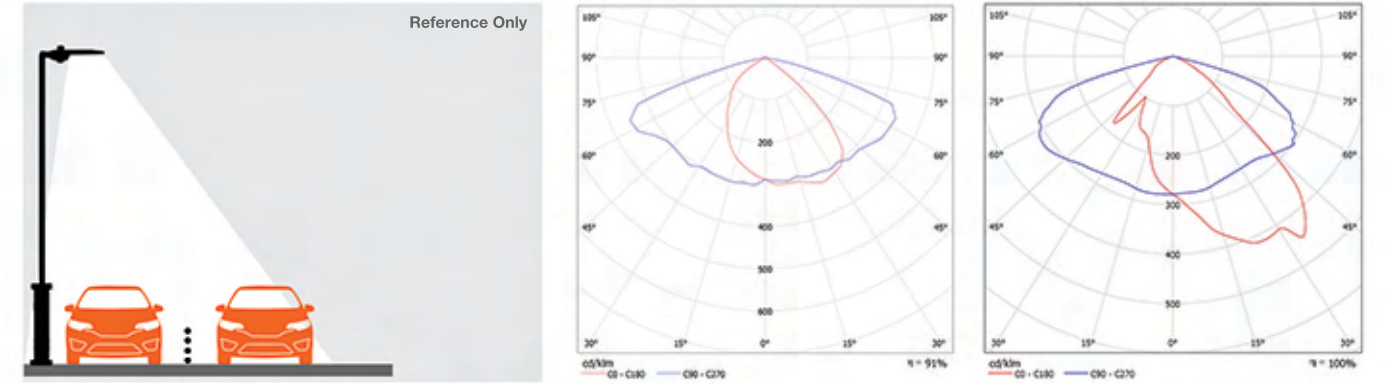
### WIDE CHOICE OF HIGH EFFICIENCY OPTICS

With different lumen packages up to 4 optics covering narrow, medium and wide distributions that cover most of the road lighting applications. Specialized optics with excellent longitudinal and Transverse luminance uniformity fulfilling EN13201 M-class requirements.

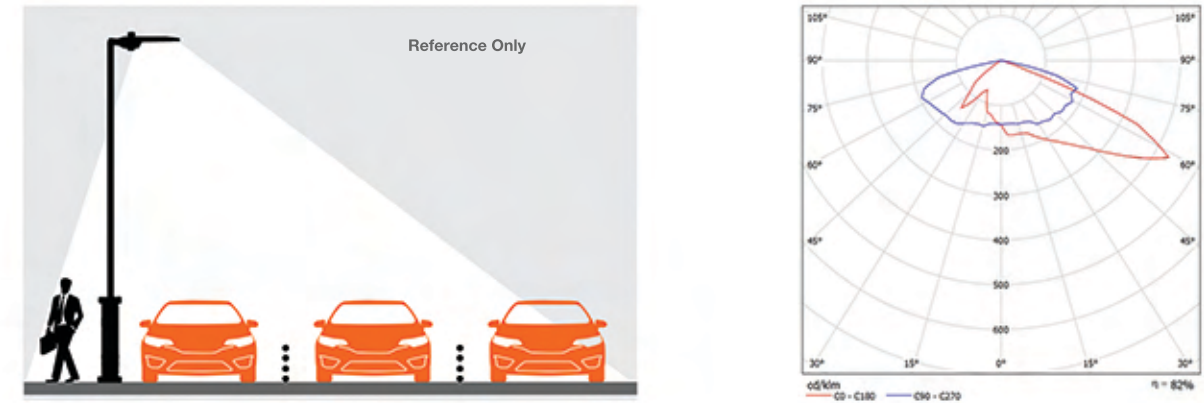
- Up to ME1 lighting class applications
- Dark sky friendly, no upward light



## LIGHT DISTRIBUTION DETAILS



Medium lens of Performance Class Streetlight Flex is used for Residential, Highway and Bridge applications that minimize the back of pole light and maximize in front of the pole light. Suitable for 2 to 3 lanes roads

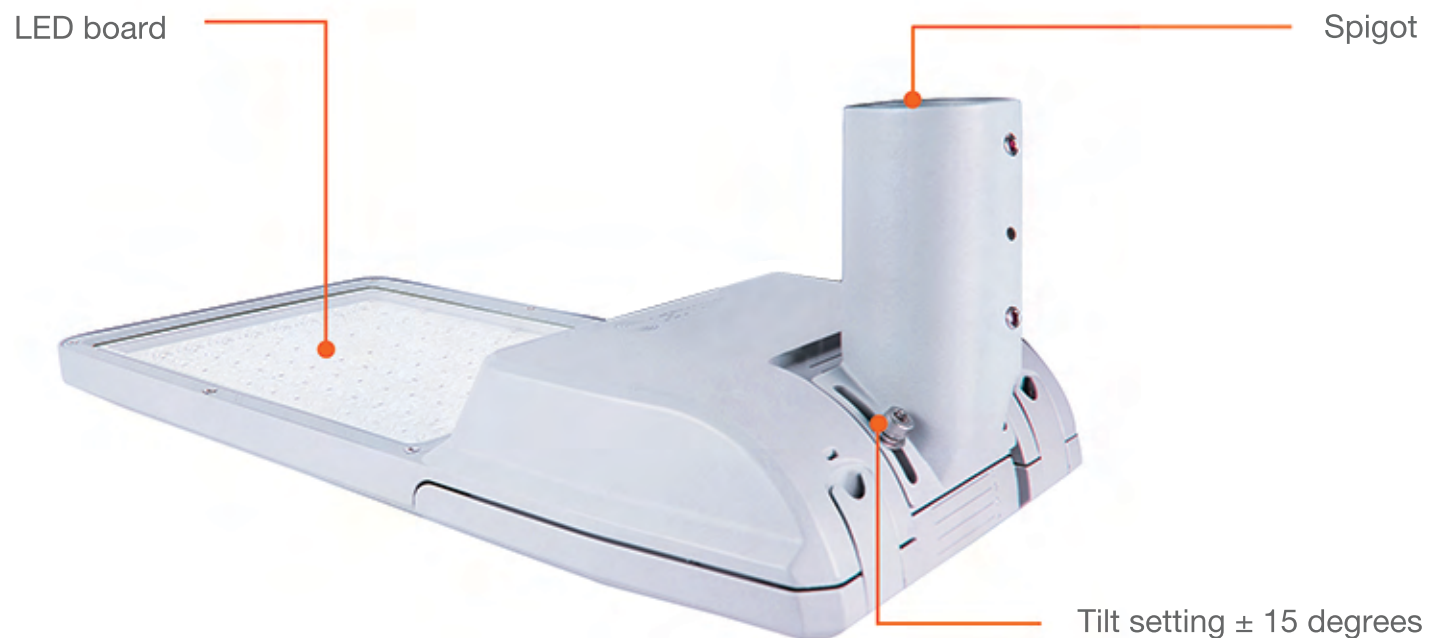
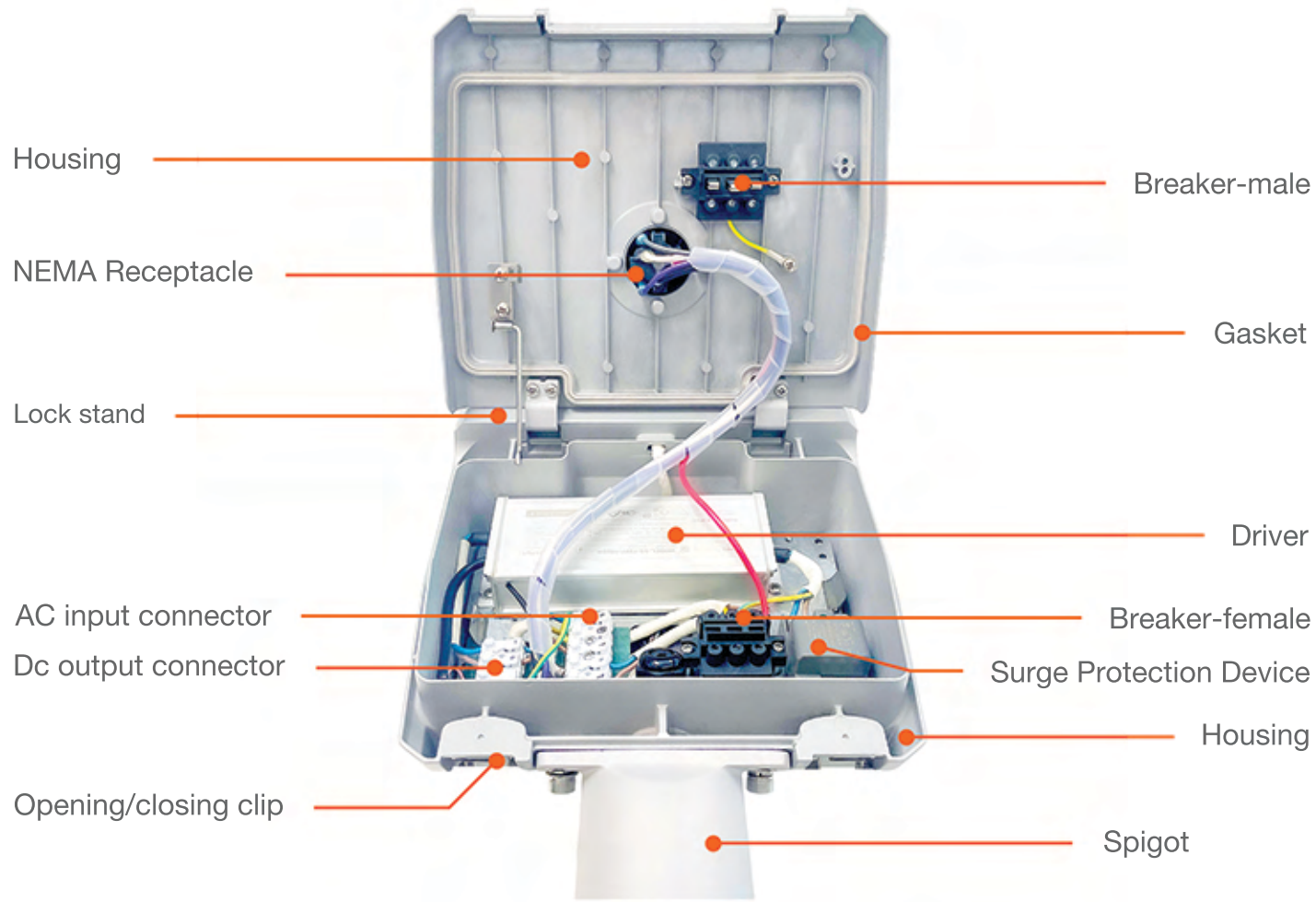


Wide lens of Performance Class Streetlight Flex is used for Residential, Highway and Bridge applications to maximize in front of the pole light and the forward throw of light. Suitable for 3 to 4 lanes roads with less glare.



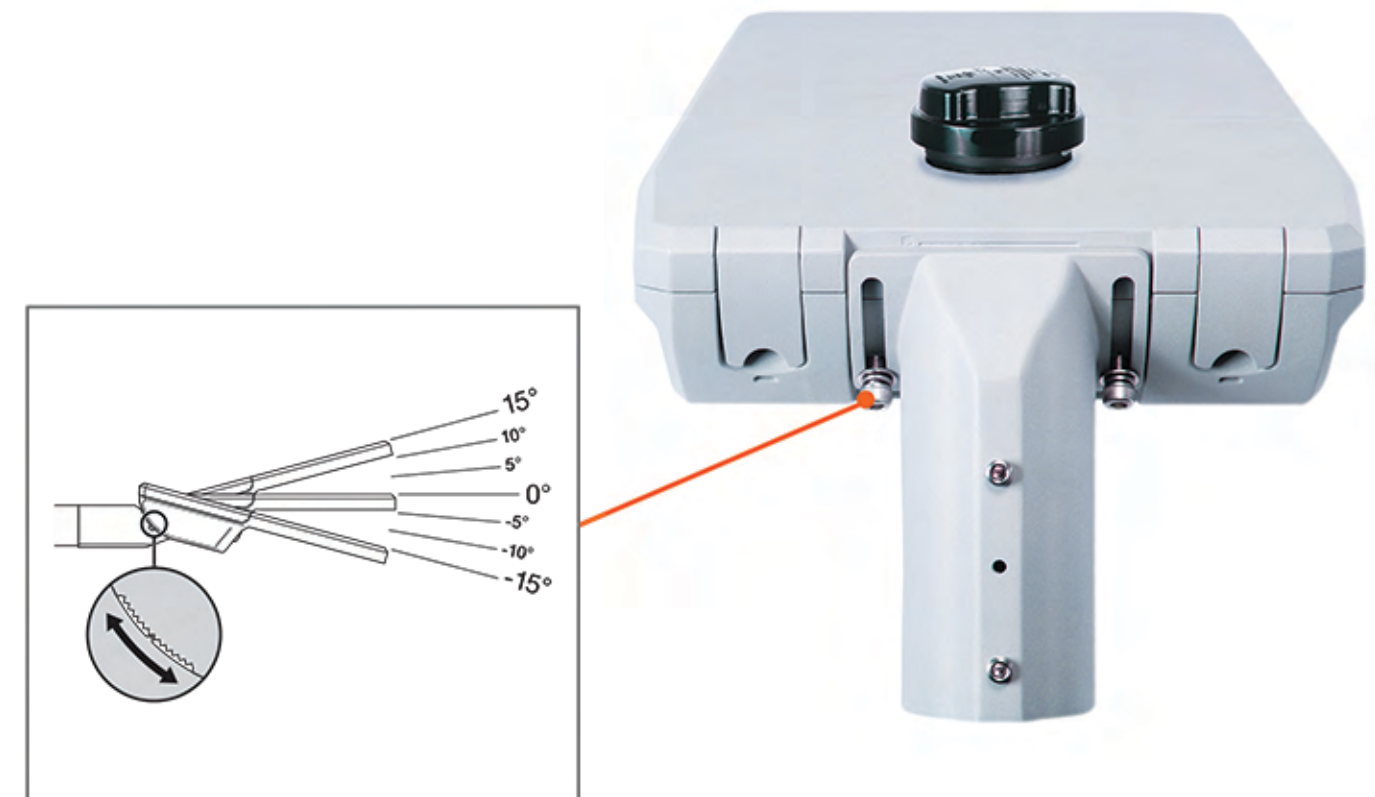
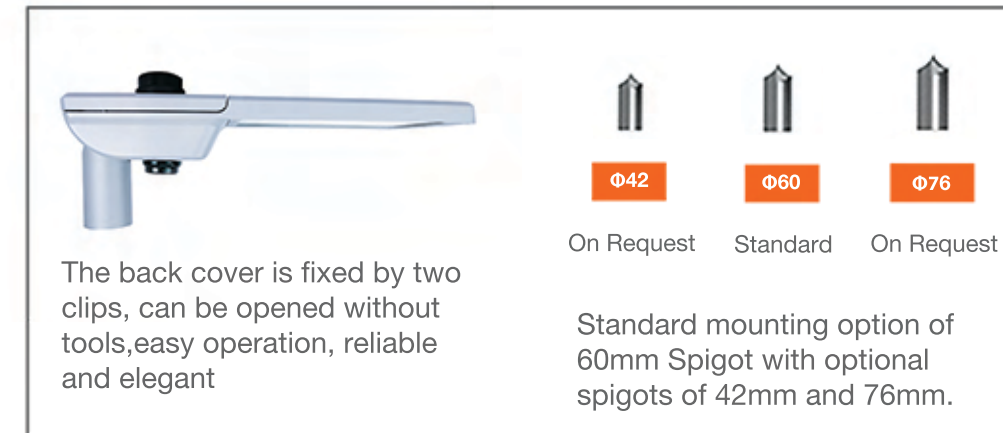
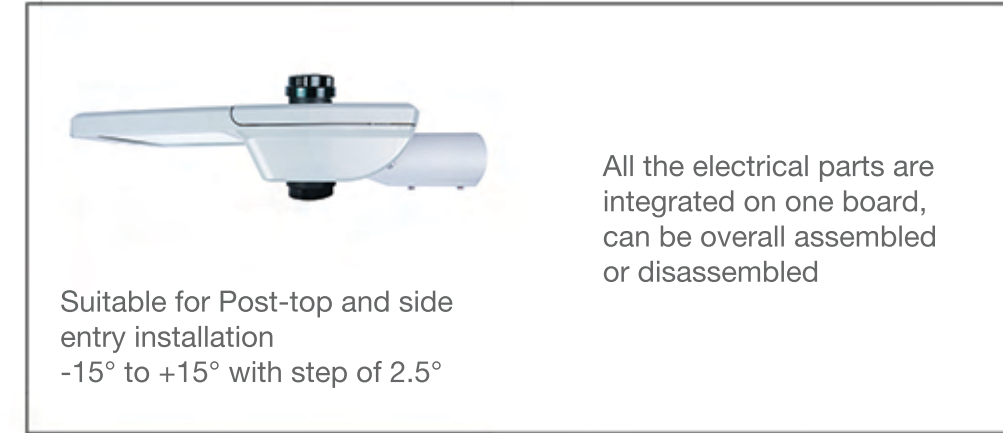
Area lighting lens of Performance Class Streetlight Flex is used for large area lighting such as parking.

## COMPONENTS



## MOUNTING OPTIONS

The sawtooth construction between housing and socket to adjust the installation angle, meanwhile enhance the mechanical strength.





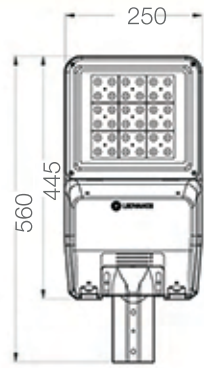
# HOUSINGS

## MINI

Up to 40W

Initial types

- 13W ~1755 lm
- 25W ~3375 lm
- 40W ~5680 lm

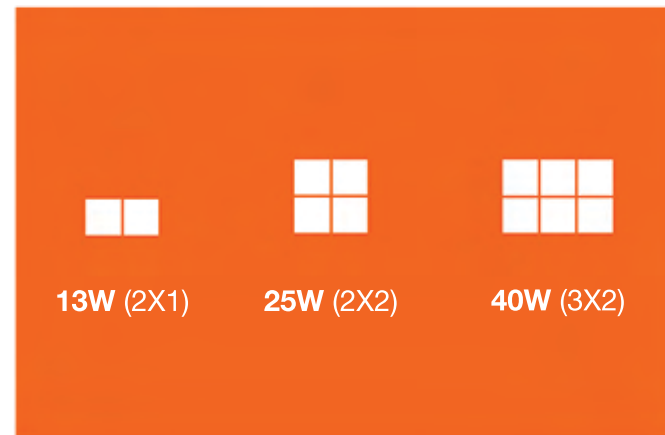
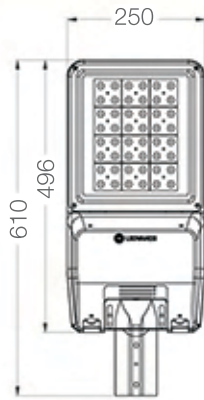


## SMALL

60W to 80W

Initial types

- 60W ~8400 lm
- 80W ~11360 lm

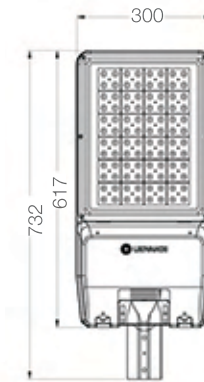


## MEDIUM

120W to 150W

Initial types

- 120W ~17,760 lm
- 150W ~22,200 lm

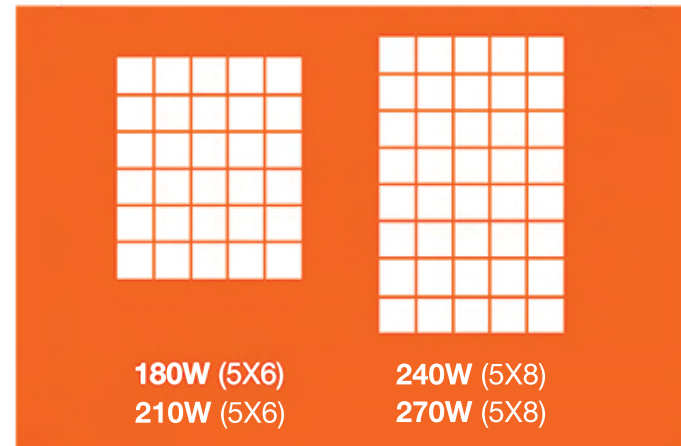
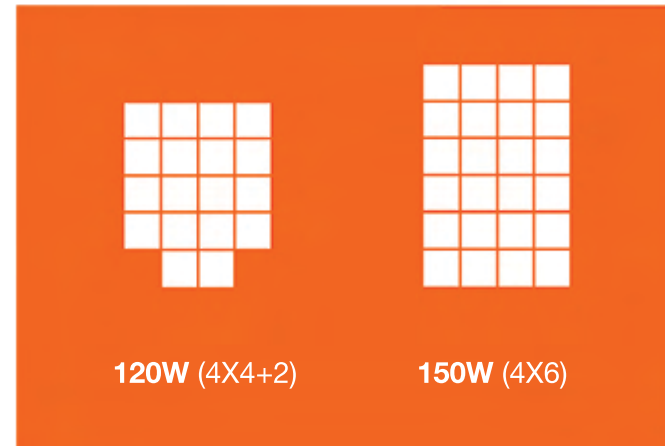
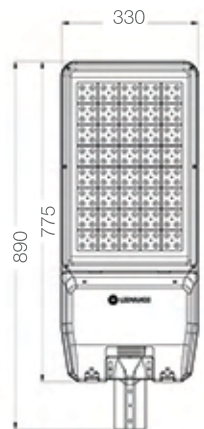


## LARGE

180W to 270W

Initial types

- 180W ~26,640 lm
- 210W ~30,240 lm
- 240W ~35,280 lm
- 270W ~38,610 lm

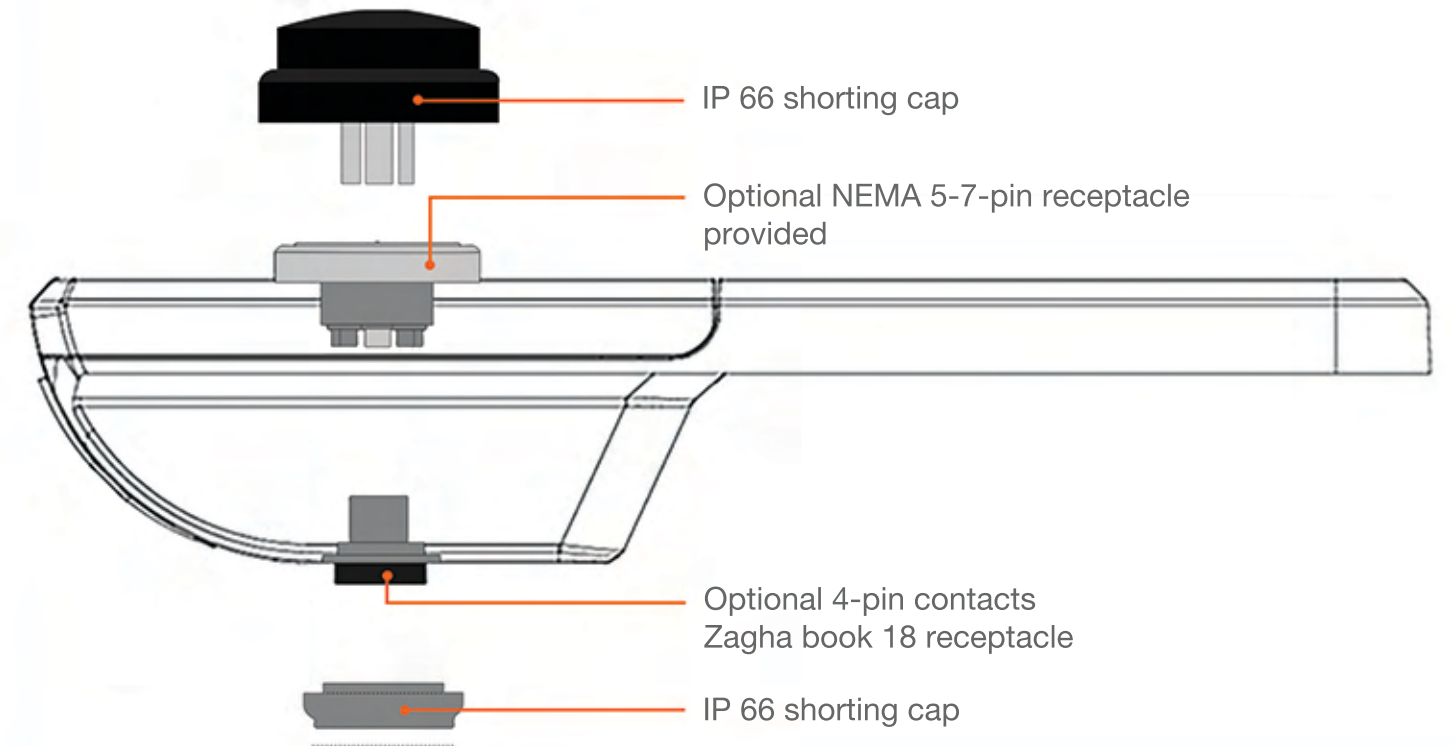


LEDVANCE PERFORMANCE CLASS STREETLIGHT FLEX @4000K		13W	25W MINI	40W	60W	80W SMALL	120W	150W MEDIUM	180W	210W	240W	270W LARGE
<b>ELECTRICAL</b>	Rated Wattage (W)	13	25	40	60	80	120	150	180	210	240	270
	Voltage range	100 - 277VAC, 50/60Hz										
	Power factor	>0.95										
	Surge protection	15KV (L-N)										
	Protection class	Class I										
<b>OPTICAL</b>	Rated Lumense@400K	1755	3375	5680	8520	11360	17760	22200	26640	30240	35280	38610
	CCT (K)	3000/4000/5700										
	CRI	>70										
	SDCM	<5										
	System efficacy	Standard Version: up to 148 lm/W										
	Optic	RV 30 (Standard), RV31, RV40, RV41 (upon request)										
<b>MECHANICAL</b>	Weight (Kg)	4.8	4.8	5.0	6.2	6.5	8.0	8.3	10.3	10.8	11.0	11.5
	Housing material	Die Cast Aluminium										
	Optics/ lens	PMMA										
	Secondary optics	Ultra- Transparency Tempered Glass Cover										
	Mounting type	Side entry/Post top										
	Mounting pole	Standard Ø60mm, Accessories: Ø42mm Ø75mm										
	Tilt setting	-15°-+15° Step of 2.5°										
	Ingress protection	Complete Luminaire : IP66 , Driver :IP67										
IK Rating	IK08											
<b>OTHERS</b>	Rated lifetime	100,000 hrs @ L90B10 Ta = 35°C										
	Operating temperature	-30 - +55°C										
	Storage temperature	-40 - +70°C										



# FUNCTIONAL, RELIABLE, FUTURE-PROOF

## SMART CITY CONNECTIVITY



NEMA 5-7-pin  
receptacle provided



4-pin contacts Zaha book  
18 receptacle combined

**STANDARD**  
1-10V Dimming  
On/Off

**OPTIONAL**  
Dali 2.0 Dimming Driver

5 PIN or 7 PIN NEMA receptacle reserved.  
4 PIN Zhaga receptacle reserved.  
Bottom: Zhaga Book18 4 pin socket + DALI 2.0 Driver  
'Optional'.  
Advantages of smart and simplified luminaire integration:  
Less wiring and components, power metering,  
diagnostics, 12V power supply.

**LEDVANCE Performance Class Streetlight Flex** is compatible with preset dimming features that maximize dimming flexibility and efficiency

**LEDVANCE Performance Class Streetlight Flex** can be equipped with a NEMA 5-7-pin receptacle provided with IP 66 shorting cap.

**LEDVANCE Performance Class Streetlight Flex** is equipped with 4-pin contacts Zaha book 18 receptacle combined with DALI 2.0 drivers to upgrade your system with the latest and most efficient smart IOT system.



## LEDVANCE STREETLIGHT RANGE

### LED LUMINAIRES



#### LED PERFORMANCE CLASS STREET LIGHT

- Entire streamline appearance design clear and smooth, the top is flat and each of the parts match perfectly.
- High-Power ceramic LEDs help to achieve long LED lifetime with excellent heat resistant.
- Die Cast Aluminium, PMMA Lens, Tempered Glass.
- Lighting distribution options to cover different road parameters.
- Lumen output up to 38,610lm.
- System efficacy up to 148 lm/W.
- Long Luminaire lifetime of 100,000 hrs L90B10 reduces maintenance costs



#### LED VALUE CLASS STREET LIGHT

- Smooth surface housing, no vertical fins to block dust flow, leads to dust free and easy cleaning
- Die Cast Aluminum. UV Stabilized PC Lens, Tempered Glass
- Lumen output up to 28,000 lm
- System efficacy >134lm/W
- Luminaire Lifetime: 50,000 L70



#### LED ECO CLASS STREET LIGHT

- Slim, aesthetical housing combined with dust-free design.
- Available in 30w/50w/70W for 100lm/w range, and 30w/45w/60w for 120lm/w range.
- Surge protection rated up to 10 KV (L-N), with replaceable SPD.
- Input Voltage 100-240VAC
- Luminaire Lifetime: 50,000 L70
- Operating temperature: -30° - +50°C

## LEDVANCE STREETLIGHT RANGE

### SOLAR



#### LED PERFORMANCE CLASS SOLAR STREET LIGHT

- Monocrystalline double sided solar panel: Absorbing more energy by adjusting the solar panel to the direct sunlight angle.
- LPW up to 185 lm/W
- Lumen output up to 11,100 Lm
- Can be rotated from -60 to 60°, tool-free adjustment, realizing maximum utilization of light on the road.
- Operating time 15 hours full power.
- Housing Material: Die Cast Aluminum.
- CCT: 3000K/4000K/6500K
- Options: AC/DC option upon request

### LED LAMPS



#### LED HQL STREETLIGHT LAMP

- Compatible with HQL CCG, also operation at line voltage.
- Lifespan of up to 50,000 h1
- 3,000 lm/4,000 lm: Ambient temperature Ta -20° to +60°C
- 6,000 lm/13,000 lm: Ambient temperature Ta -20° to +50°C
- Storage temperature Ts -30° to +80°C



## ABOUT LEDVANCE

With offices in more than 50 countries and business activities in more than 140 countries, LEDVANCE is one of the world's leading general lighting providers for professional users and end consumers. Having emerged from the general lighting business of OSRAM GmbH, LEDVANCE offers a wide-ranging assortment of LED luminaires for a broad spectrum of application areas, intelligent lighting products for Smart Homes and Buildings, one of the largest LED lamps portfolios in the industry as well as traditional light sources.



# LEDVANCE

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