



LEADER LIGHT

LL Street LED lighting



STREET LUMINAIRES



LL STREET PS/CS

- luminaires for nergy efficient street lighting



| 5

LL STREET PC/CC

- luminaires for crosswalk lighting



| 6

LL STREET WALL

- special wall mounted street luminaires



| 7

LL STREET SMART

- exclusive street luminaires with dimming function and diagnostic possibility



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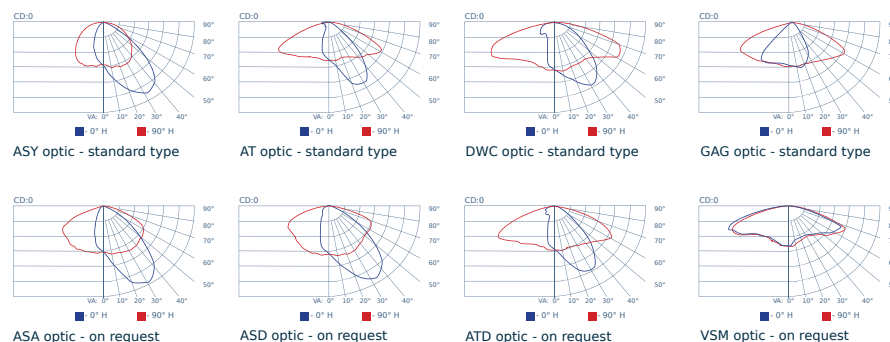


LL STREET is a comprehensive conception for all types of street lighting applications. The modern LED street luminaires meet the highest criteria of saving and efficient lighting of roads, actively help to reduce energy demandingness (energy save in range of 65 – 70 %) and also achieve the objectives of low-carbon strategies of cities and villages. LL STREET making the streets brighter, improve visual conditions and increase safety.

In addition to the standard benefits of LED technology such as low power consumption, high efficiency, very long lifespan, 100% recyclability, vibration resistance, easily control, LL STREET have many premium parameters:

- the alluminium body serves also as a cooler and ensures optimal temperature parameters
- wide choice of special optics allows universal application
- the optical part without any useless cover glass increases optical efficiency of luminaire and simplifies maintenance
- LEDs located in one platform reduce obtrusive light pollution, glare and also radiation into the sky
- precise setting of demanded output power

Photometry



LEADER LIGHT street luminaires family:

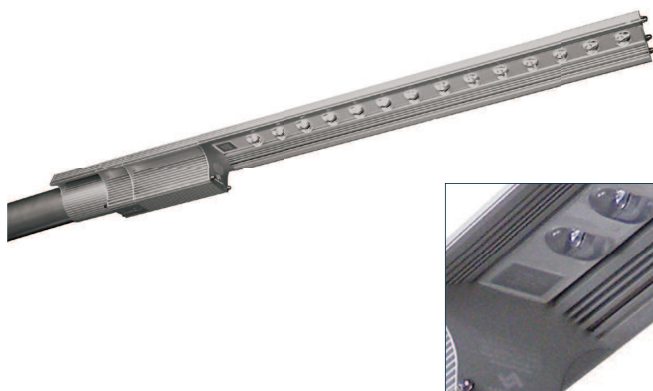
LL STREET PS/CS – luminaires for nergy efficient street lighting

LL STREET PC/CC – luminaires for crosswalk lighting

LL STREET WALL – special wall mounted street luminaires

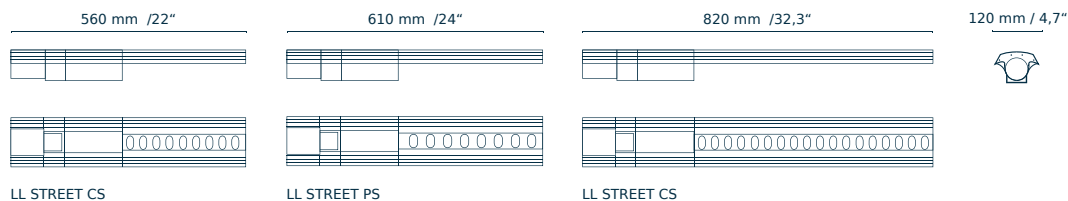
LL STREET SMART – exclusive street luminaires with dimming function and diagnostic options





LL STREET PS/CS is a basic model of road luminary. This modern LED luminary, with the minimalist design, satisfy the primary requirements for energy-efficient lighting solution most types of roads in towns and villages.

Dimensions



Applications

- major roads and streets
- city centers, public areas
- residential areas
- parking lots, pedestrian zones
- industry areas

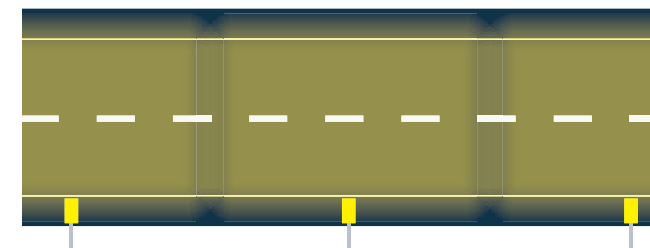
Basic models

Class I	Lifespan (hours) L70		Weight (kg)
	Ta 25°	Ta 15°	
LL STREET PS60-NA-O67-09-20W-GAG-40K-C75	70 000	90 000	2,70
LL STREET PS60-NA-O67-08-30W-GAG-40K-C75	55 000	75 000	3,50
Class II			
LL STREET CS56-NA-O67-09-16W-AT-40K-C75	100 000	150 000	2,70
LL STREET CS82-NA-O67-18-25W-AT-40K-C75	100 000	150 000	3,50
LL STREET CS82-NA-O67-18-40W-AT-40K-C75	90 000	130 000	4,50
LL STREET CS82-NA-O67-18-60W-AT-40K-C75	80 000	110 000	4,50

Accessories

LL STREET ADAPTER TOP 060 0° (Optional 5°, 10°, 15°)

LL STREET ADAPTER 76/60 mm (Optional 50/60 mm)



Technical specification

- T_a: standard: -30°C (-22°F) < T_a < +40°C (104°F)
- Body: IK10
- Cooling: conventional

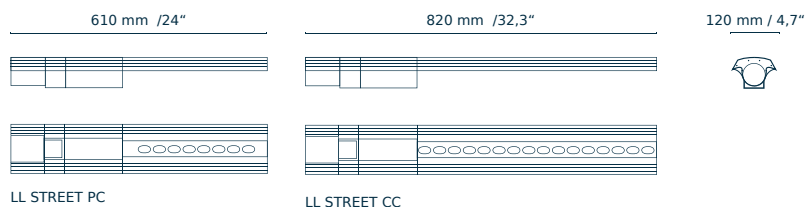
LL	STREET	PS60		NA	O67	07	30W	GAG	40K	C75	
		P	S60								
	Type	Connection	Mounting & Dimension		Product color	IP rating	LED number	Power input	Optic	Color temperature	CRI
	STREET	P: 20W:AC90-277V; 47-63Hz; On/Off 30W ÷ 60W:AC90-264V; 47-63Hz; On/Off, Class I C: AC90-305V; 47-63Hz; On/Off, Class II	S: side pole entry Ø 60 mm (2,36“)	56: 560 mm 60: 610 mm 82: 820 mm	NA: natural anodized aluminium BL: black anodized aluminium	O67: Outdoor IP67	08: 8x LED 09: 9x LED 18: 18x LED	16W ... 60W	GAG: 88°x126° ASY: 75°x106° DWC: 74°x148° ATD: 68°x137° ASD: 64°x136° ASA: 60°x122° AT: 52°x129°	30K: 3000K 40K: 4000K 50K: 5000K	C75: CRI 75 C80: CRI 80

The combinations are limited. Correctness of the specification must approve the supplier.



LL STREET PC / CC is specially designed LED luminary for crosswalks illumination. Its use will increase pedestrian visibility and safety, drivers ride comfort.

Dimensions



Applications

- crosswalks

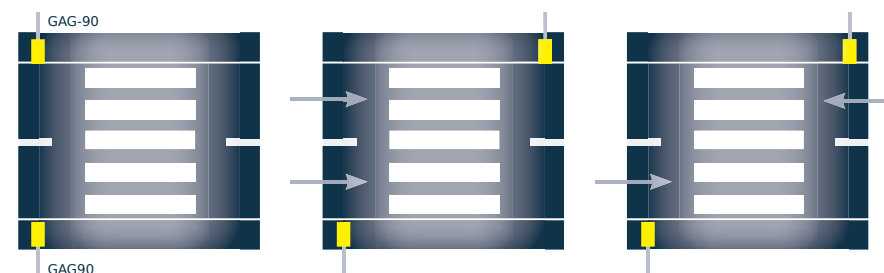
Basic models

Basic models	Lifespan (hours)		Weight (kg)
	L70		
Class I	Ta 25°	Ta 15°	
LL STREET PC60-NA-O67-08-30W-GAG90*60K-C75	55 000	75 000	3,50
Class II			
LL STREET CC82-NA-O67-08-25W-GAG90*60K-C75	100 000	150 000	4,50
LL STREET CC82-NA-O67-16-40W-GAG90*60K-C75	90 000	130 000	4,50
LL STREET CC82-NA-O67-16-60W-GAG90*60K-C75	70 000	100 000	4,50

Accessories

- LL STREET ADAPTER TOP 060 0° (Optional 5°, 10°, 15°)
- LL STREET ADAPTER 76/60 mm (Optional 50/60 mm)

* Optional GAG-90

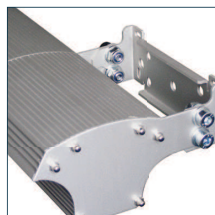


Technical specification

- T_a: standard: -30°C (-22°F) < Ta < +40°C (104°F)
- Body: IK10
- Cooling: conventional

LL	STREET	PC60		NA	O67	07	30W	GAG90	40K	C75	
		P	C60								
	Type	Connection	Mounting & Dimension		Product color	IP rating	LED number	Power input	Optic	Color temperature	CRI
	STREET	P: AC90-264V; 47-63Hz; On/Off, Class I C: AC90-305V; 47-63Hz; On/Off, Class II	C: side pole entry Ø 60 mm (2,36") for crosswalks	60: 610 mm 82: 820 mm	NA: natural anodized aluminium BL: black anodized aluminium	O67: Outdoor IP67	08: 8x LED 16: 16x LED	25W ... 60W	GAG90: 126°x88° AT90: 129°x52°	30K: 3000K 40K: 4000K 50K: 5000K 60K: 6000K	C75: CRI 75 C80: CRI 80

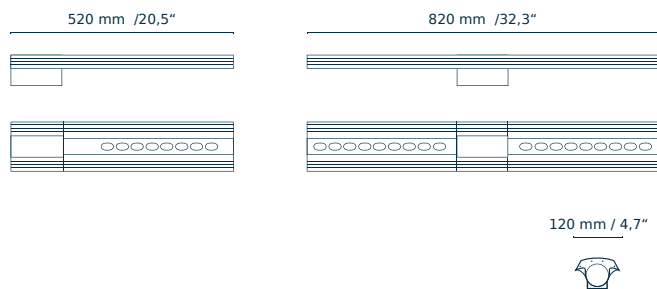
The combinations are limited. Correctness of the specification must approve the supplier.



LL STREET PW / CW is specially designed LED street luminary. Thanks special soft diffusion ASY optic gives the possibility instal the luminary on low height of wall, acoustic wall close to the road.

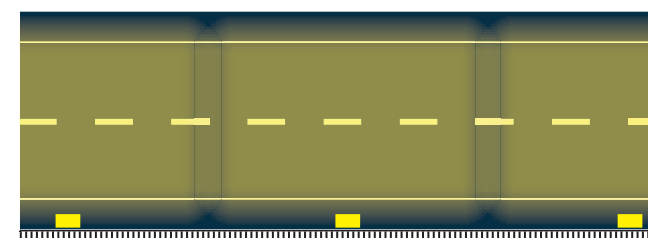
It is designed to illuminate the tunnels, roads, flyovers and underpasses.

Dimensions



Basic models

Class I	Lifespan (hours)		Weight (kg)
	L70		
	Ta 25°	Ta 15°	
LL STREET PW52-NA-O67-08-30W-ASY90-40K-C75	55 000	75 000	3,50
Class II			
LL STREET CW52-NA-O67-09-16W-ASY90-40K-C75	100 000	150 000	3,50
LL STREET CW82-NA-O67-18-25W-ASY90-40K-C75	100 000	150 000	4,50
LL STREET CW82-NA-O67-18-40W-ASY90-40K-C75	100 000	150 000	4,50



Applications

- major roads and streets
- parking lots, pedestrian zones
- tunnels

Technical specification

- T_a : standard: -30°C (-22°F) $< T_a < +40^{\circ}\text{C}$ (104°F)
- Body: IK10
- Cooling: conventional

LL	STREET	PW52		NA		O67	07	30W	GAG90	40K	C75	
		P		C60								
	Type	Connection		Mounting & Dimension		Product color	IP rating	LED number	Power input	Optic	Color temperature	CRI
	STREET	P: AC90-264V; 47-63Hz; On/Off, Class I C: AC90-305V; 47-63Hz; On/Off, Class II		W: on the wall	52: 520 mm 82: 820 mm	NA: natural anodized aluminium BL: black anodized aluminium	O67: Outdoor IP67	08: 8x LED 09: 9x LED 18: 18x LED	16W ... 40W	ASY90: 106°x75° AT90: 129°x52°	30K: 3000K 40K: 4000K 50K: 5000K	C75: CRI 75 C80: CRI 80

The combinations are limited. Correctness of the specification must approve the supplier.



LL STREET SMART is an exclusive LED street luminaire designed for high energy efficient public and general urban lighting. LL STREET SMART luminaire can be equipped with electronic modules and controlled and monitored by central control unit.

Electronic modules for LL STREET SMART

Additional modules are suitable supplement of luminaires LL STREET SMART. Their use extends luminaire lifetime in range of 10 % - 30 % and increases functionality of lighting system. Dimmed units with programmed mode ensure even higher energy-save.

LL STREET RIS CLO

- additional electronic module which ensures constant light flux during the whole lifetime of luminaire and 10% extra energy saving

LL STREET RIS DLO

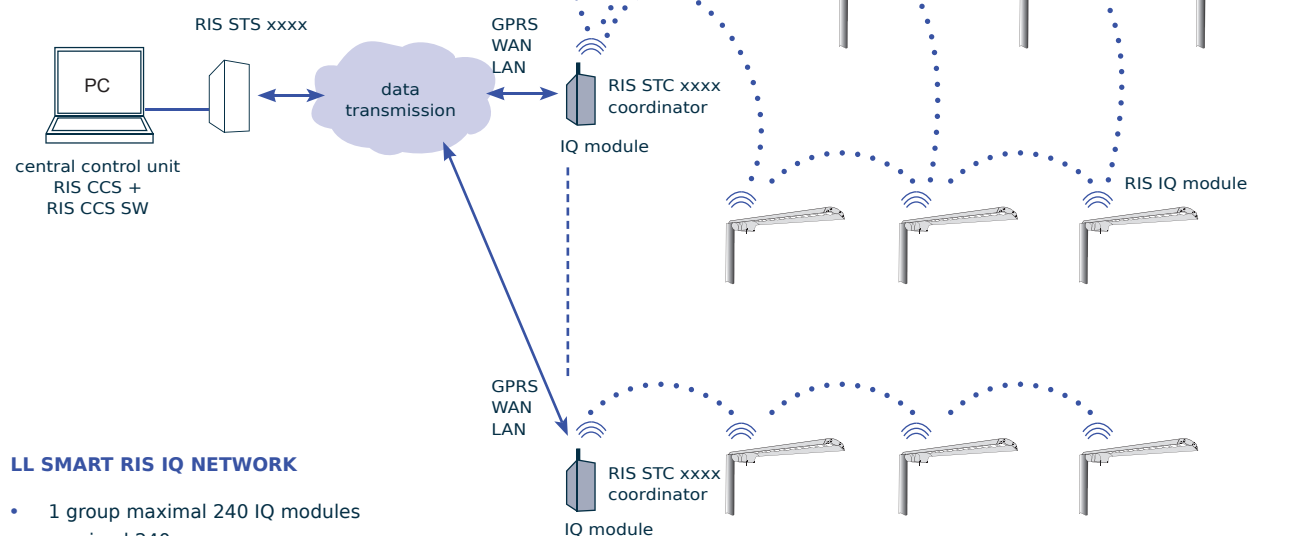
- additional electronic module with pre-programmed regime of dimming which ensures dynamic change of light output over one night in dependence on season. This module increases energy save of LED luminaires more than 25 % as standard LL STREET RIS version

LL STREET CLO/DLO

- additional electronic module which is combination of CLO and DLO provides constant light flux during the whole luminaire lifetime and simultaneously has programmed regime of dimming during the night. Additional 25 - 35 % energy savings.

LL STREET RIS IQ

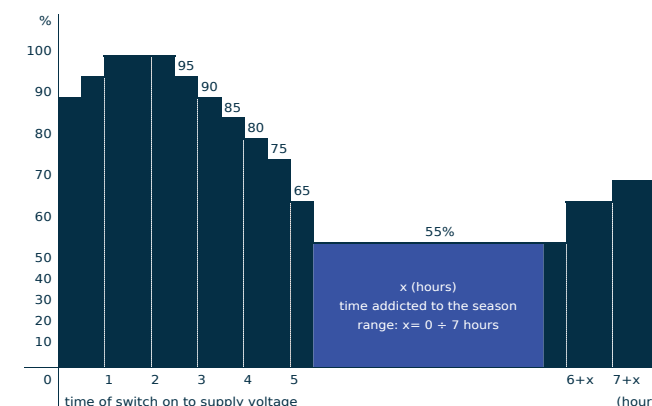
- electronic module for wireless control with luminaires diagnostic. Dimming in range of 0 % - 100 %, temperature measurement and measurement of real power consumption is possible to wirelessly transmit to control center station, in which you can diagnose immediate power consumption, control of luminaires and evaluate the operation of the system. Additional 25 - 35 % energy savings under programming of system.



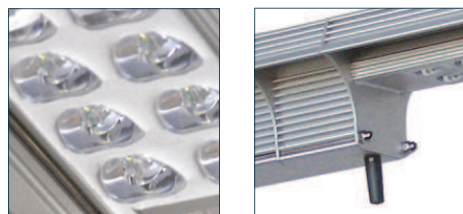
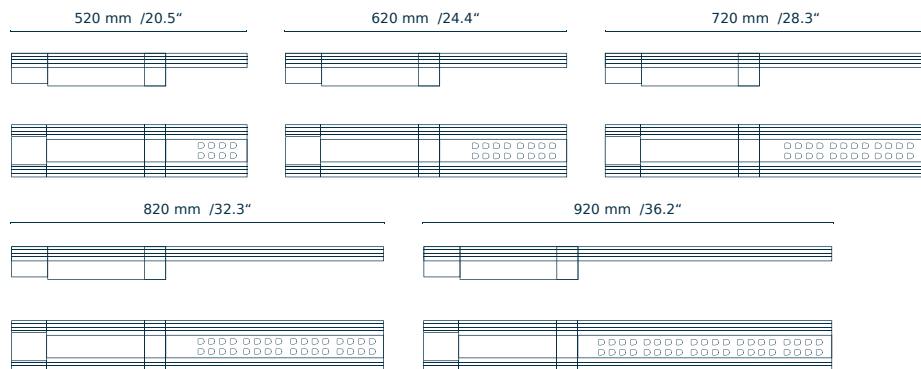
LL SMART RIS IQ NETWORK

- 1 group maximal 240 IQ modules
- maximal 240 groups

LL STREET RIS DLO - dimming during the night



Dimensions



Applications

- major roads and streets
- city centers, public areas, pedestrian zones, residential areas
- industry areas

Basic models

Class II	Lifespan (hours)		Weight (kg)
	L70	Ta 25° Ta 15°	
LL STREET RIS52-NA-O67-08-25W-AT-40K-C75	100 000	150 000	5,00
LL STREET RIS62-NA-O67-16-40W-AT-40K-C75	100 000	150 000	5,50
LL STREET RIS72-NA-O67-24-60W-AT-40K-C75	100 000	150 000	6,00
LL STREET RIS82-NA-O67-32-80W-AT-40K-C75	100 000	150 000	6,40
LL STREET RIS92-NA-O67-40-100W-AT-40K-C75	100 000	150 000	6,60

Accessories

LL STREET ADAPTER TOP 060 0° (Optional 5°, 10°, 15°)
LL STREET ADAPTER 76/60 mm (Optional 50/60 mm)

Electronic modules

LL STREET RIS CLO	– electronic module for constant light output
LL STREET RIS DLO	– electronic module for dynamic light output
LL STREET RIS CLO/DLO	– electronic module for constant light output with dynamic light output
LL STREET RIS IQ	– electronic module for wirelessly dimming 0-100% with diagnostic
LL STREET RIS CCS	– central control station hardware
LL STREET RIS CCS SW	– central control unit software *
LL STREET RIS STC	– setup modul for IQ - coordinator max. 240 IQ modules
LL STREET RIS STS	– setup modul for IQ - supervisor max. 240 STC

* more variants available

Technical specification

- T_a: standard: -30°C (-22°F) < T_a < +40°C (104°F)
- Body: IK10
- Cooling: conventional

LL	STREET	RIS52		NA	O67	08	25W	DWC	40K	C75	
		RI	S52								
	Type	Connection	Mounting & Dimension		Product color	IP rating	LED number	Power input	Optic	Color temperature	CRI
	STREET	RI: cold start 40A/230VAC AC90-305V; 47-63Hz; Class II RF IQ control; cold start 70A/230VAC	S: side pole entry Ø 60 mm (2,36")	52: 520 mm 62: 620 mm 72: 720 mm 82: 820 mm 92: 920 mm 102: 1 020 mm	NA: natural anodized aluminium BL: black anodized aluminium	O67: Outdoor IP67	08: 8x LED 16: 16x LED 24: 24x LED 32: 32x LED 40: 40x LED 48: 48x LED	20W ... 120W	AT: 52°x129°	30K: 3000K 40K: 4000K 50K: 5000K	C75: CRI 75 C80: CRI 80

The combinations are limited. Correctness of the specification must approve the supplier.



LEADER LIGHT

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