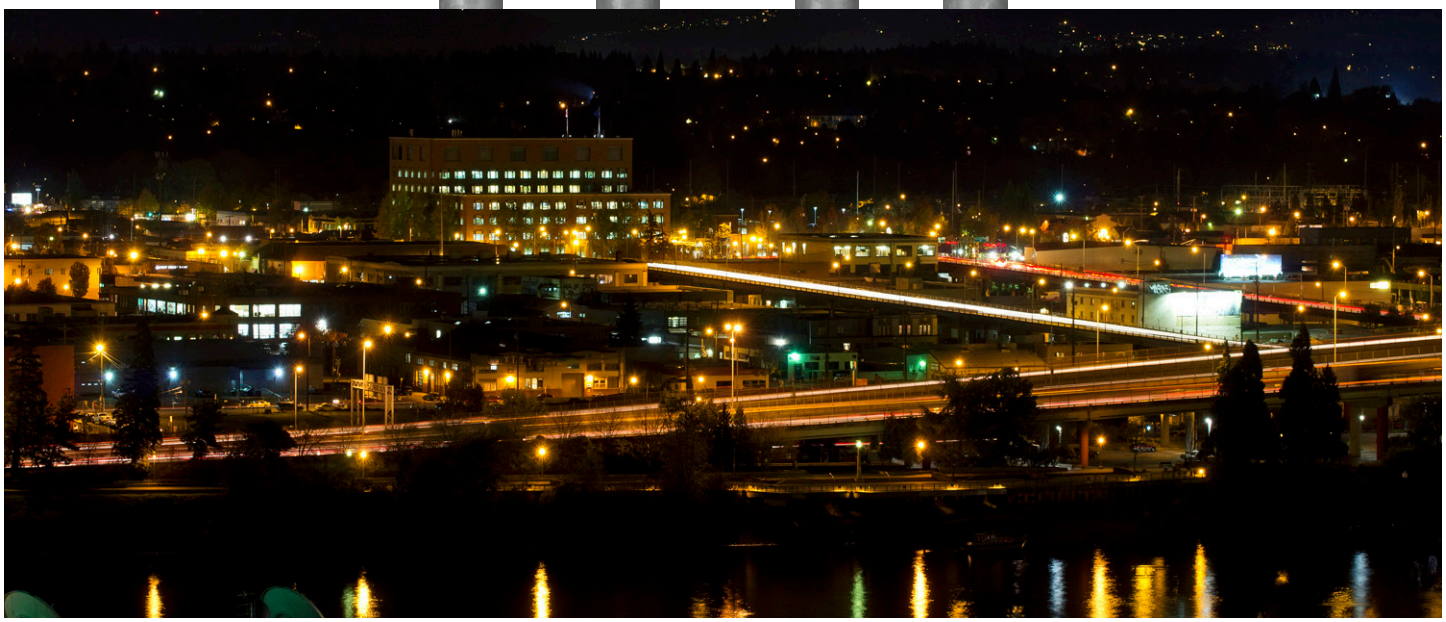
Prisma Light

LED STREET LIGHTING | SMART COMMUNICATION

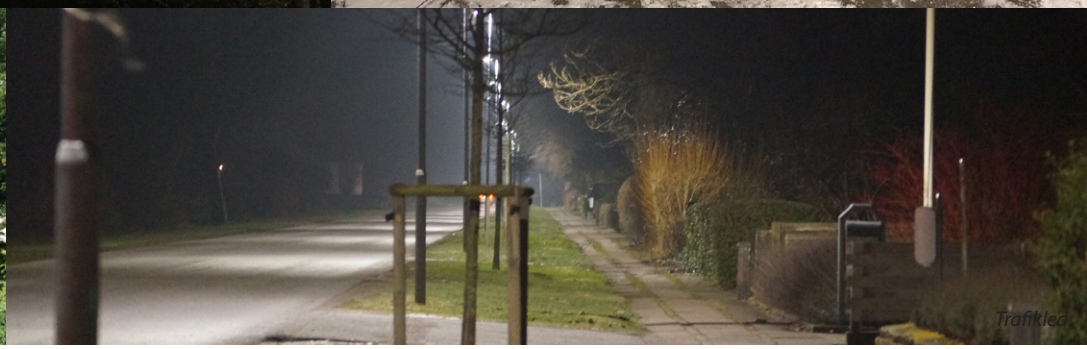
Eliott 4-16

Eliott 4-32



PRISMATIBRO

Prisma Light



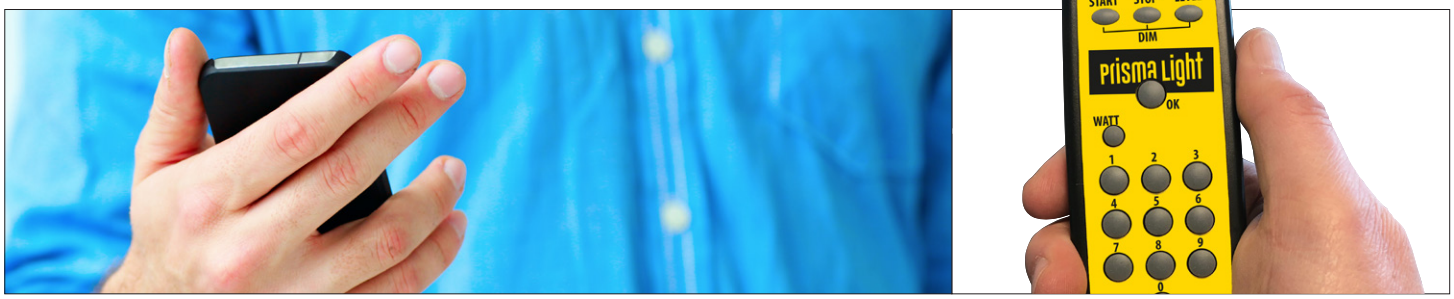
CLASSIC STREET LUMINAIRE

Developed over fourteen years

Classic street luminaire, developed and produced by PrismaTibro. During our first decade, we have gathered a wealth of knowledge and experience. The profile of Prisma Light Eliott has been preserved, but the appearance can vary in terms of color, bird protection (or lack thereof), curved or flat glass. Many customers have been able to complement their luminaires over the years and it has been appreciated that the appearance has not radically changed. The major improvements have continuously occured under the hood – more efficient, smarter, and even safer technology.
Prisma Light Eliott offers advanced features that are easy to handle.
High delivery capacity has been appreciated by customers.

2009-2023

2009 The first three prototypes were shown to a customer who immediately wanted to purchase - the prototypes!
2012 The first large volumes were produced for individual customers in Sweden and Denmark.
2017 An addition to the family: the park luminaire Prisma Light Ellie.
2018 The development work was at full speed.
2019 Elton joined the Prisma Light family.
2023 Generational shift, Zhaga and DALI added.



DALI

Choose a luminaire with DALI functionality and you can decide how it should behave, what power it should have, and whether there should be any nighttime dimming. If desired, it can be preconfigured by us at the factory or adjusted on-site with the right equipment. It can also be adjusted in the luminaire's access hatch if you have DALI-compatible wiring.

Remote

One remote control is sufficient regardless of the number of luminaires. A five-digit customer-specific PIN code protects against unauthorized access. Make adjustments from the ground without a cherry picker. Just as simple as ingenious and cost-effective.

Prisma Night Light is more than just dimming at night

It is just as easy to increase the light intensity.

- Regular power
- Level/wattage
- Start Prisma Night Light
- Stop Prisma Night Light

Citygrid

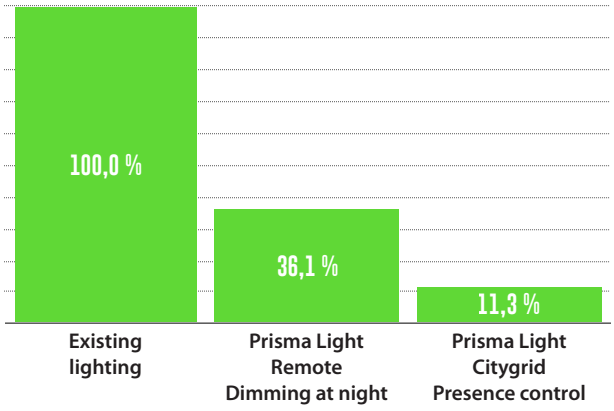
Presence control of the luminaires. This can be described as "the right light at the right time" – when someone is there. We have integrated the Citygrid control system by Seneco A/S into our luminaires. The settings are easily adjusted via a dongle and an Android phone or by a computer that communicates with a Gateway that does the job for you. All settings can be adjusted afterwards.

Zhaga

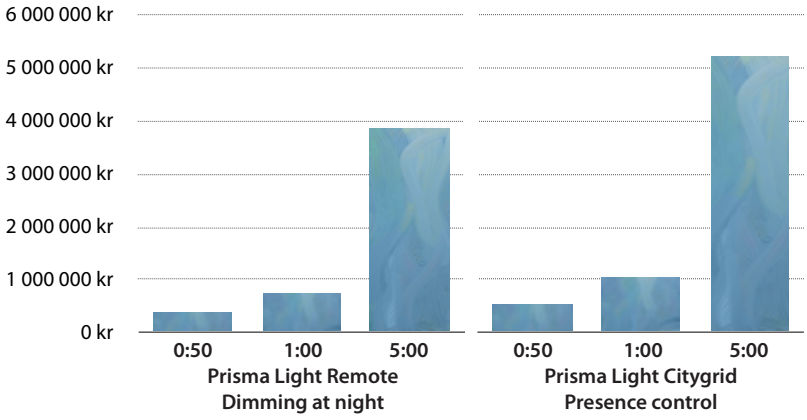
Future-proof solution.
If you've already decided which control system to use, Zhaga offers the possibility to connect the chosen node immediately. If the decision is to be made later - then the Zhaga connection is in place and ready to use.

ECONOMIC SENSE

Consumption PERCENT energy



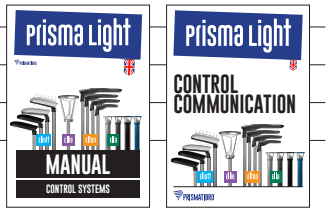
Savings in SEK with 5300 luminaires



Prisma Light

TECHNICAL SPECIFICATIONS

GENERATION				DECISION		FACTS	INFORMATION
					APPLICATION		
4	3	2	1		**Street Lighting**	Pedestrian and bicycle paths, Parking lots, Feeder roads, Residential streets, Jogging trails, Industrial areas, Highways	
					REACH		
4	3	2	1		**Pole height**	4-12 meters	
4	3	2	1		**Distance between poles**	20-50 meters	
					LIGHT		
4	3	2	1	●	**Color temperature**	3000K	Warm white
4	3	2	1	●		4000K	Neutral white
		2	1			6000K	Cool white
4	3	2	1	●	**Color Rendering Index (CRI)**	Standard: 70 • Alternative: 80	
4	3	2	1		**MacAdam**	≤ 3 SDCM	
4					**Lumen (lm/W)**	115-160	See lumen table
	3					≥ 100	See lumen table
		2	1			≥ 90	See lumen table
4				●	**LEDs, quantity**	Luxeon 5050 LEDs, 16 pcs and 32 pcs respectively	
	3					Cree/Osram, 16 pcs and 32 pcs respectively	
		2				Osram, 16 pcs and 32 pcs respectively	
			1			Osram, 30 pcs	
4				●	**Lenses**	DNW, T2, SCL, SCL/SCL, PX, PXL, SCL/T4, LN1 5050, LM1 5050, LW1 5050	See Polar Diagram
	3					T2, T4, DWC, DNW, ME, SCL, PX, PXL	
		2				TDWDN, FT	
		2*	1			BAB*, ABA, AAA, BBB	
4	3	2	1	●	**Light Distributions**	Available for all configurations.	LDT files available through a form on prismatibro.se
					CONTROL	**Download manuals and more at prismatibro.se**	
4				●	**DALI**		
	3	2*	1**		**Constant**	When you know: This is what is needed, always, when light is required.	* Can be used as constant but changeable with remote control and PIN code. ** Can be adjusted by PrismaTibro, in Tibro.
4	3	2		●	**Remote**	Individual luminaire can be adjusted: power, dimming	Easily adjusted with a remote control.
4				●	**Citygrid**	Can be chosen with or without presence control. Not compatible with Prisma Light Generation 3.	Settings adjusted using an Android app in combination with a dongle.
	3	2			**Detect**	Adjustable power during presence and absence. Intervals and behavior determined by the customer.	Settings adjusted using an Android app in combination with a dongle.
4					**Zhaga**	Mounted connector under a polycarbonate cover, height limitation on node: 39 mm	
4	3	2			**Light Relay**	Can be combined with Remote and Constant using an internal light relay under a transparent cover.	
					OPERATION • PERFORMANCE		
4				○	**System Power**	5-70 Watts depending on LEDs and control.	Only decided upon when ordering in combination with "fixed mode". In all other cases: always adjustable.
	3	2	1			5-90 Watts depending on generation, LEDs, control.	Only decided upon when ordering in combination with "fixed mode". In all other cases: always adjustable.
4					**Voltage**	200-240 V AC	
	3	2	1			110-240 V AC	
4	3				**Protection Class**	IP67 behind the glass, IP65 for the entire luminaire.	
		2	1			IP67 behind the glass, IP33 for the entire luminaire.	



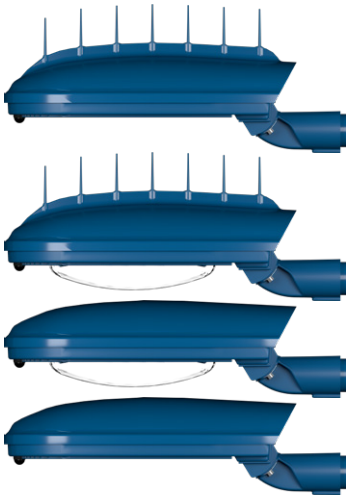
Prisma Light

PRISMATIBRO

TECHNICAL SPECIFICATIONS

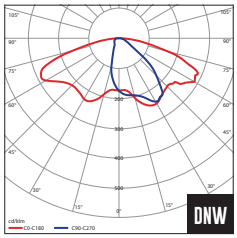
GENERATION				DECISION	OPERATION • PERFORMANCE	FACTS	INFORMATION
4	3	2	1		**Vandal resistance**	IK10+	
4	3	2	1		**Surge protection**	10 kV	
4	3	2			**Protection class**	Class II	
			1			Class I	
4	3	2	1		**Corrosion class**	C5	
4	3	2	1		**Operating temperature**	-50 C° – +50 C°	
4					**Driver**	Depending on control: Inventronics • Meanwell	
	3					Meanwell	
		2				Meanwell	
			1			Trafo	
					OPTIONS	**FACTS**	**INFORMATION**
4	3			●	**Pole fittings**	Adjustable fitting for straight pole and pole with arm, ±10° adjustment in both positions. Pole diameter: 48-61 mm	Prepared for: Top mount - Item code 353-0003 Arm mount - Item code 353-0004
4	3	2	1	●		Fixed mount: Straight pole. Pole diameter: 48-61 mm	Item code 353-0011
4	3	2	1	●	**Cable, standard** **Other cables on quotation**	EXQ 3x1.5 in desired length according to price list.	
4	3	2	1	●	**Colors, standard** **Other colors on quotation**	Cover, bird spikes: RAL 7047 Luminaire housing: RAL 9005	
4	3	2	1		**Lens and LED protection**	Curved or flat glass	
					FORMAT & MATERIAL	**FACTS**	
4	3	2	1		**Length**	565 mm	
4	3	2	1		**Width**	230 mm	
4	3	2	1	●	**Height with bird spikes**	Flat glass: 221 mm • Curved glass: 261 mm	
4	3	2	1	●	**Height with plug**	Flat glass: 152 mm • Curved glass: 192 mm	
4	3	2	1	●	**Height, plane cover**	Flat glass: 120 mm • Curved glass: 160 mm	
4	3	2	1		**Weight**	5,4 kg	
4	3	2	1	●	**Wind surface area**	Plane cover, flat glass: 0.058 m^2	
4	3	2	1		**Luminaire housing**	Aluminum	
4	3	2	1	●	**Curved or flat glass**	Polycarbonate	
					RELIABILITY & SERVICE	**FACTS**	
4	3	2	1	●	**Warranty**	5-15 years. Standard: 5 years. Option: extension to 15 ye	
4	3	2	1		**CE marking**	Yes	
4	3	2	1	●	**Delivery time**	Usually about 10-15 working days	
		Generation 1, 2, 3 are no longer sold but are included in the matrix for comparison with generation 4					

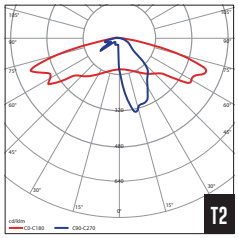
Example
RAL 5017 with crossing optics

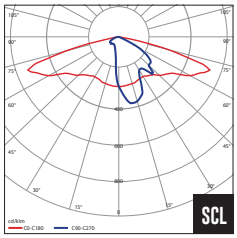


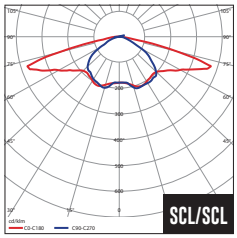
POLAR DIAGRAMS

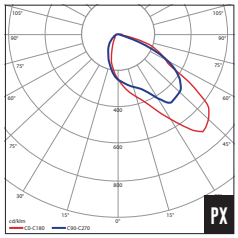
Prisma Light
Eliott 4-16

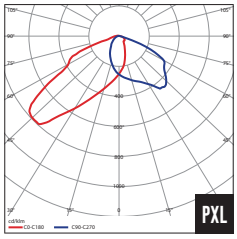


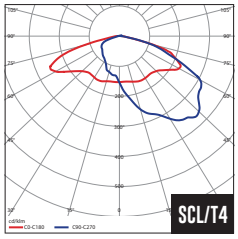


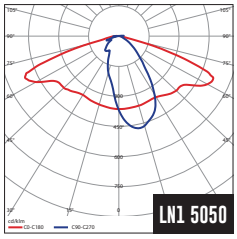


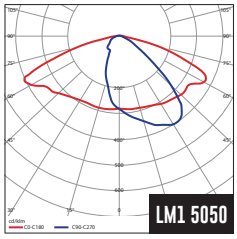


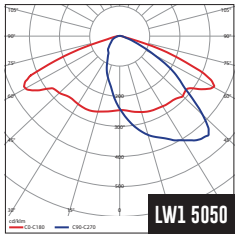




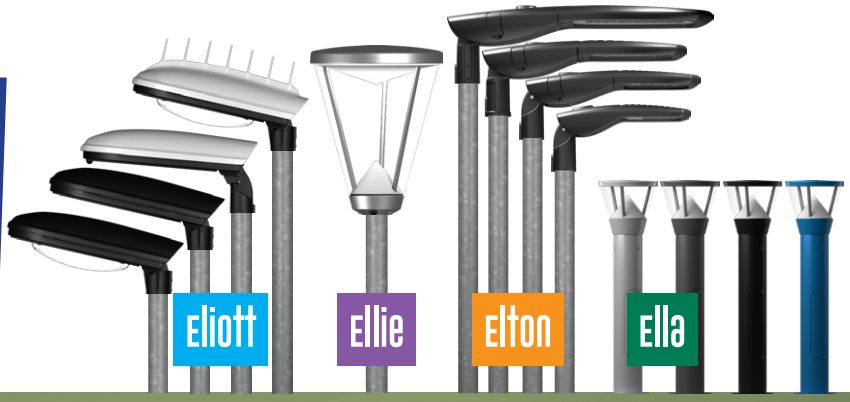








Prisma Light



Prisma Light

CHOOSE PRISMATIBRO

QUALITY AND SAFETY
- Certified according to ISO 9001
- In-house development, production, sales, and service organization
- Flexibility and innovation
- Continuous improvement
- Favorable delivery time

SUSTAINABILITY
- Sustainable products with long lifespan
- Certified according to ISO 14001
- Production based on customer orders
- Philanthropic work and sponsorship
- Environmentally-friendly features
- Contributes to the SDGs:

GLOBAL AND LOCAL
- Development and manufacturing in Tibro, Sweden
- Products in 118 countries
- Further expansion in terms of geography and volume

EXPERIENCE AND CONTACT
- 35 years of experience
- Addtech Group
- Dedicated staff
- Flexibility and continuity
- Strong customer trust
- Personal and quick support

"You can deliver on time!"

"We only use your products because we know that they will meet our expectations."

"Thank you once again for your persistent effort to meet our requests."

CUSTOMERS

"Yes, everything is perfect. Thank you for the excellent service!"

"Flexibility and quick actions – two of our characteristics"

EMPLOYEES

"The best part is that we provide support for a long time."

"We strive for quality and continuous improvement."

230818-01

PRISMATIBRO

ADDRESS Jarnvagsgatan 19, SE-543 50 Tibro
SWITCHBOARD +46 504 400 40
WEB prismatibro.se
E-MAIL contact@prismatibro.se