



Disano illuminazione spa

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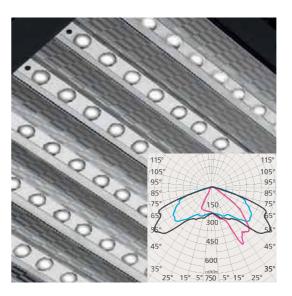


by modern semiconductors and their electronic

supply and control systems.

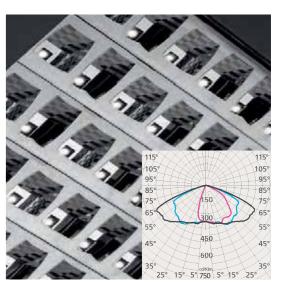
The photometric measurements to be used for lighting calculations can be downloaded from

our website at www.disano.it



Modular optical design with or without auxiliary lens

The modular optical design is available in two versions (with or without auxiliary lens). The entire concept includes specific solutions in the electronic circuit design and in the control of operating temperatures, making the Stelvio line a highly professional, flexible and reliable product, capable of guaranteeing huge application advantages in several situations.

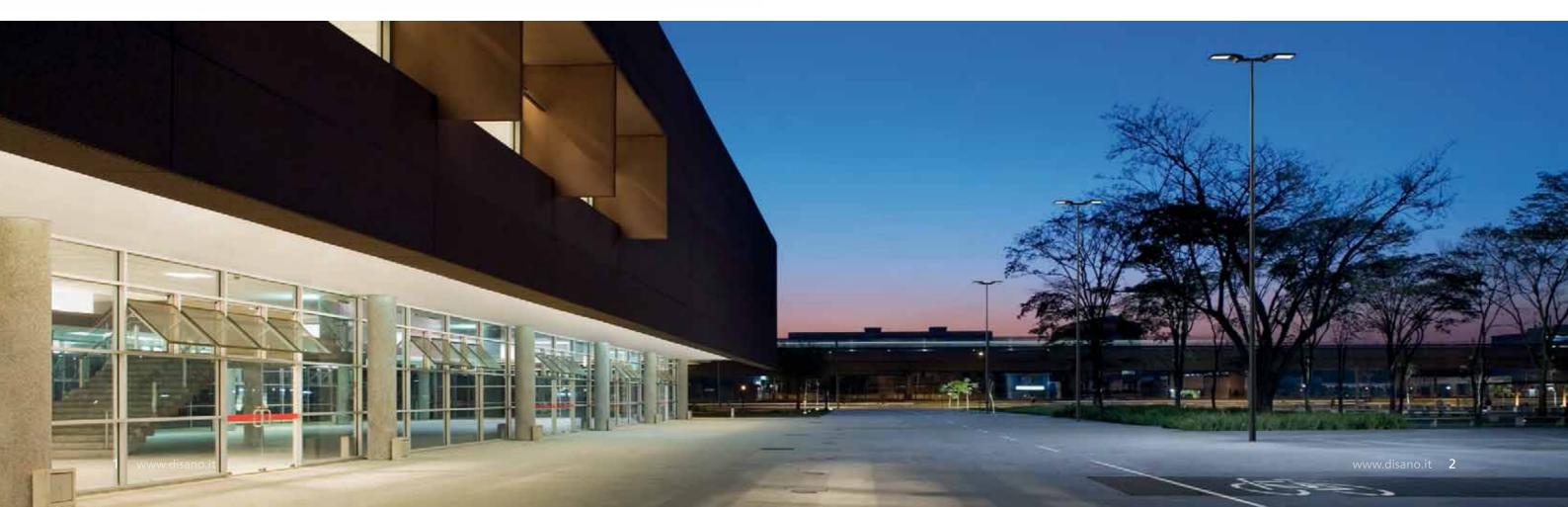


Outstanding photometric performance

This product was designed with an optical system capable of controlling the potential glare created by the growing light intensity of LEDs while achieving high photometric performance. This allows the application in street lighting schemes where there is a significant distance between the poles respecting all parameters required by the norms. In these cases, greater light control is reached with the optics equipped with auxiliary lens.

The Ministelvio version is especially suited for

The Ministelvio version is especially suited for bicycle lane lighting.







Electrical safety switch



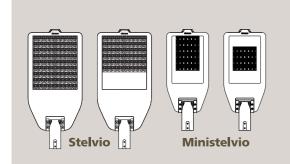


Always use the power you need

The modular optical system and the possibility to choose the correct drive current for LEDs will always allow you to have the right power under specific design conditions, and also help you deal with maintenance and retrofitting problems.

Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures

Modular optical design



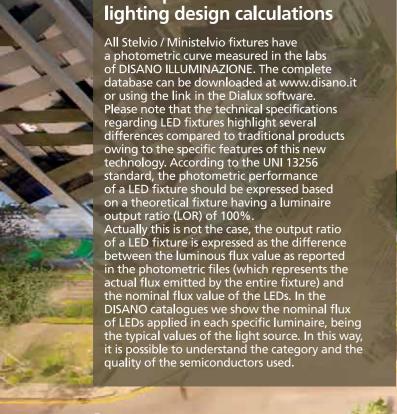
Three drive currents for LEDs

Stelvio / Ministelvio 1 Plus L 3270 3271 3275 3276							
350 mA 530 mA 700 mA							
24 LED		4416 l m	5520 lm				
36 LED	4680 lm	6624 l m	8280 lm				
48 LED	6240 lm	8832 l m	11040 lm				
72 LED	9360 lm	13248 l m	16560 lm				
96 LED	12480 lm	17664 l m	22080 lm				
108 LED	14040 lm	19872 lm	24840 lm				
+ efficiency + emission							

Stelvio Plus S 3273 3274								
	350 mA	530 mA	700 mA					
*27 LED		4968 lm	6210 lm					
36 LED	4680 lm	6624 lm	8280 lm					
54 LED	7020 lm	9936 lm	12420 lm					
63 LED	8190 lm	11592 lm	14490 lm					
81 LED 10530 lm 14904 lm 18630 lm								
*not supplied as standard								

+ emission

+ efficiency



About photometric and

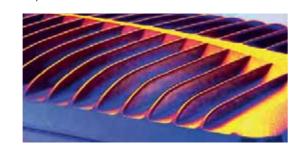


Over 50,000 hours life

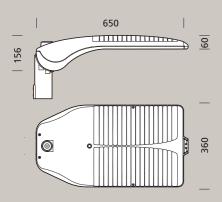
The Stelvio / Ministelvio line of products was designed with a series of features and solutions to maximise the duration of the lamp's life span:

- Use of the best available LEDs and power supplies
- Modular optics with electronic circuits equipped with bypass circuit (in case of defects in single semiconductors)
- Overheating control system with automatic reduction of current
- Anti-condensation valve
- Version with improved surge protection is available upon request
- Low temperature electronics

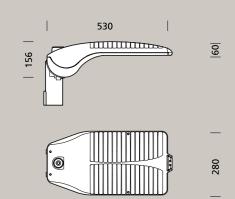
All these features help to extend lamp life past 50,000 hours



Stelvio



Ministelvio



Light flux dimming

Further energy savings are possible thanks to the dimming function.

The standard power supply used in all Stelvio products includes this function, through a low voltage (1-10V) signal. This type of dimming input control is normally used when a central control infrastructure is present in the installation. These devices are capable of controlling the light flux with any kind of signal.

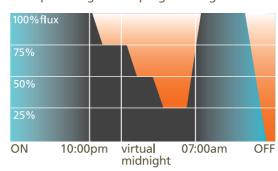


Programmable lighting control systems

At the customer's request, the Stelvio / Ministelvio range of products can be equipped with a special device to dim the lighting flux during night-time without the need to install any additional cables in the infrastructure.

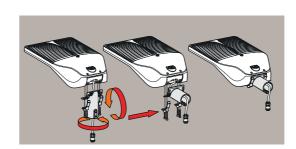
The device is capable of performing up to 5 night-time dimming steps; the system is supplied already programmed by Disano illuminazione and the user does not need to perform any type of programming during installation.

Example of night-time programming



Easy installation

Accessories for both top and side mounting.



Reduced resistance to wind

The fixture's design is configured to minimise wind-exposed surfaces. 400 sqcm of side surfaces for Ministelvio,

470 sqcm for Stelvio.





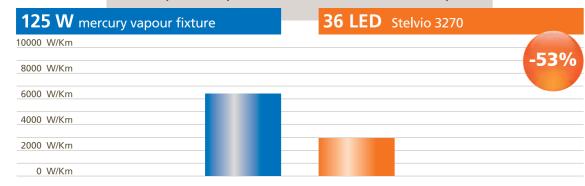
Advantages in replacing old luminaires

The replacement of obsolete lighting systems based on mercury vapour fixtures (still very common in residential zones despite being outdated and poorly efficient), enable to reduce energy consumptions by 50-60%, while increasing the light output to the levels currently required by applicable legislation, without the

need to modify neither the poles nor the systems. With the modularity offered by Stelvio fixtures you can always choose the exact amount of power necessary to deliver the right lighting levels without over-dimensioning and therefore wasting energy.

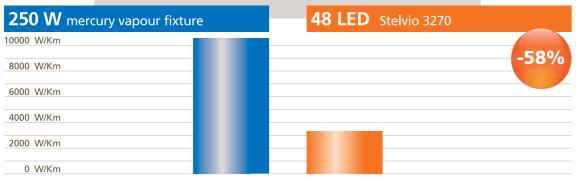
	width	distance	d/h	poles/km	Cd/m ²	P(w)	P/km
HG 125	6	22.0	2.75	46	0.74	137	6364
36 LED Stelvio 3270	6	22.0	2.75	46	0.75	64	2973

Consumptions comparison of a ME4b street with 8-meters poles:



	width	distance	d/h	poles/km	Cd/m ²	P(w)	P/km
HG 250	8	26.0	2.6	39	0.67	268	10576
48 LED Stelvio 3270	8	26.0	2.6	39	0.75	85	3354

Consumptions comparison of a ME4b street with 10-meters poles:



Advantages in installing new projects

Using Stelvio LED lights instead of state-of-the art, high-pressure sodium luminaires enables you to obtain the same lighting results, reducing power and consumptions by 25%-30% depending on the type of road. LED technology, compared to high pressure sodium, will significantly improve both the quality of the light (which is white and not yellow) and the colour rendering; moreover regular maintenance

is no longer needed.

Thanks to high performance LED optics (reflector + auxiliary lens), LED Stelvio fixtures can be used along roads and keeping the same distance between poles, like for state-of-the art, high-pressure sodium lamps. In this way you can save energy without increasing the number of light fixtures.

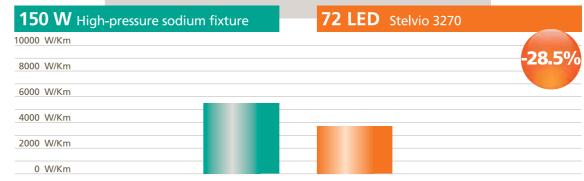
	width	distance	d/h	poles/km	Cd/m ²	P(w)	P/km
SAPT 100	8	29.6	3.7	35	0.75	115	4000
48 LED Stelvio 3270	8	29.6	3.7	35	0.76	83	3000

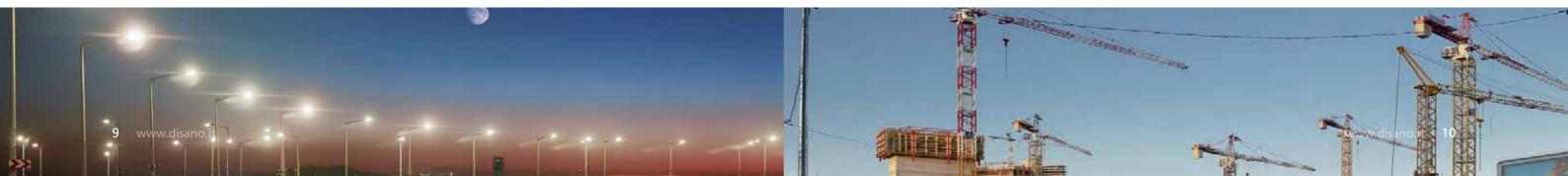
Consumptions comparison of a M4a street with 8-meters poles:



	width	distance	d/h	poles/km	Cd/m ²	P(w)	P/km
SAPT 150	8	32.0	4.00	32	1.2	168	5420
72 LED Stelvio 3270	8	34.0	4.25	30	1.0	124	3850

Consumptions comparison of a ME3c street with 8-meters poles:





Installation along extra-urban roads and bicycle lanes

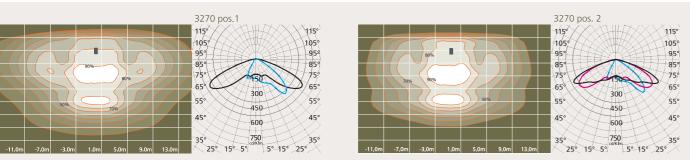
LED optics with auxiliary lens for improved light distribution.

Modular optics with 6/12 LEDs in high performance metallic VO polycarbonate, microfaceted.

Dimmable electronic driver for 1-10 V systems.

Stelvio / Ministelvio 1 Plus L symmetric 3270 P**l**us L 25° 15° 5° 750 5° 15° 25° 24 LED 38 W 36 LED 58 W 6624 lm 48 LED 77 W 8832 **l**m 13248 lm 72 LED 96 LED 154 W 17664 **l**m 108 LED 172 W

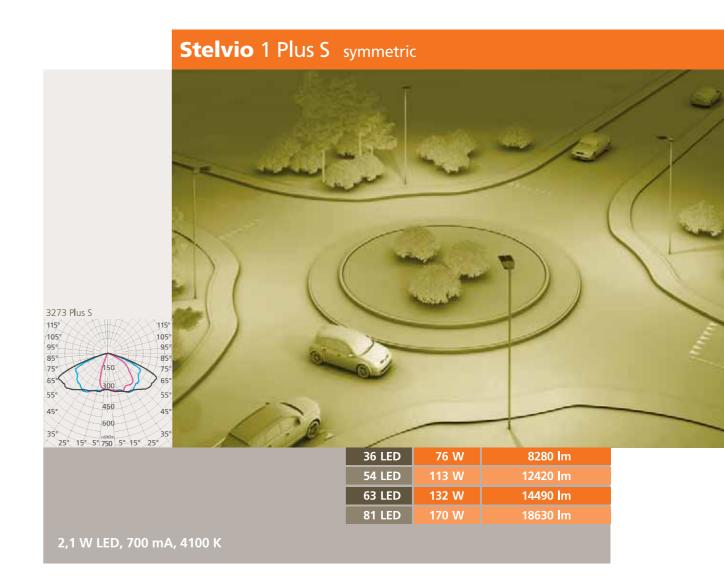
Customized installations



Installation along urban roads and roundabouts

Modular optics with 9 LEDs in high performance metallic VO polycarbonate, micro-faceted, matt. Single-LED optics for an improved control of light.

Dimmable electronic driver for 1-10 V systems.



11 www.disano.it 12

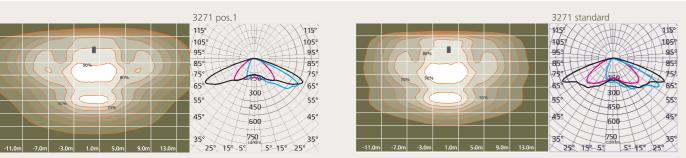
Installation along urban roads and pedestrian crossings

LED optic with auxiliary lens for an improved light distribution. Modular optics with 6/12 LEDs in high performance metallic VO polycarbonate, micro-

Dimmable electronic driver for 1-10 V systems.

Stelvio / Ministelvio 1 Plus L asymmetric 3271 Plus L arrow beam upon request 24 LED 38 W 4416 lm 36 LED 58 W 6624 lm 48 LED 77 W 8832 **l**m 115 W 13248 lm 72 LED 96 LED 154 W 17664 **l**m 108 LED 172 W

Customized installations



Installations in parking areas

Modular optics with 9 LEDs in high performance metallic VO polycarbonate, micro-faceted, matt. Single-LED optics for an improved control of

Dimmable electronic driver for 1-10 V systems.



13 www.disano.it www.disano.it 14