



SISTEMI PER LA GESTIONE DEL TRAFFICO - TRAFFIC CONTROL SYSTEM



LED MODULES FOR NEXT GENERATION TRAFFIC LIGHTS

STARLED2 - LED OPTICAL LENS TRAFFIC LIGHTS 9 / 43 V AC / DC

IN COMPLIANCE WITH THE STANDARD EXPECTED OPTICAL EN12368

Our history of over 65 years of experience allows us to realize one of the most innovative solutions for traffic lights lighting based on LED technology.

An electronic control driver runs a central light generated from High Flux LED that thanks to the dual lens system allows to obtain a plain bright light.

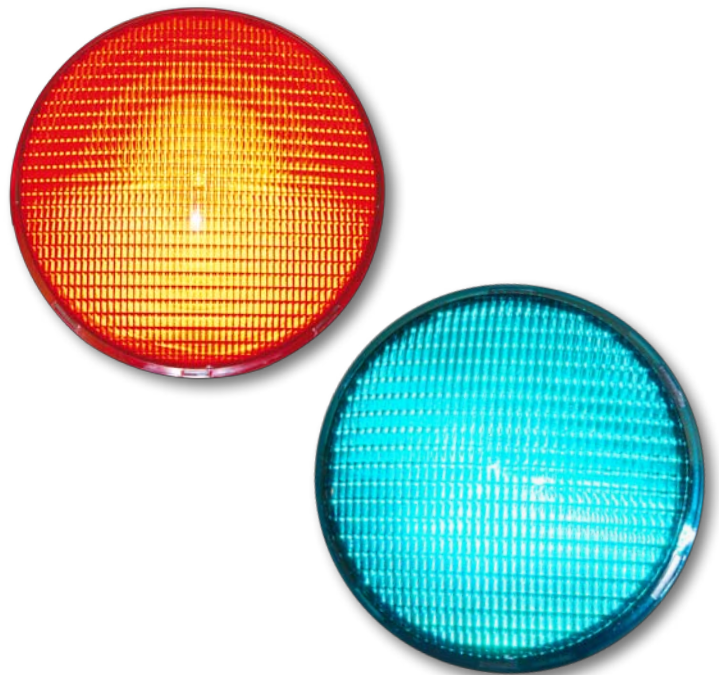
Reliable, technologically advanced, easy to install and built in compliance with EN12368, today the line of led optics for traffic lights STARLED2 is on the market as a response to the ever-increasing demands to reduce consumption and environmental respect.

Different power sources in the same module to provide solutions in step with new applications such as photovoltaic panels and more.

Starled2 9 / 43 V AC / DC low voltage (≤ 42 VAC) simplifies the installation of traffic signals to ensure maximum safety for the people who work actively in the construction and maintenance, as well as road users.

ADVANTAGES

- Vision of the light evenly distributed throughout the lens without Pin effect
- Low power consumption with high light yield
- Reduction of ghost effect at the lowest levels provided by EN12368
- Average life more than 8 years
- Available with white tinted lenses and to white for tram signals
- Quick connection system with sliding guides, 3 for diameter 200 mm and 4 for the 300 mm supplied with sealing gasket
- Opening of the simplified module with screwed lense. and frsnell internal screw with clutch pressure
- Available all symbol masks provided c.d.s. and on request custom version



Starled2: Available all symbol masks on request



SISTEMI PER LA GESTIONE DEL TRAFFICO - TRAFFIC CONTROL SYSTEM

STARLED2 TECHNICAL DETAILS 9/43 V AC/DC - EN12368

DIAMETER	Ø210 mm	Ø300 mm
Luminous intensity acc. to EN12368	red > 200cd amber > 200cd green > 200cd	red > 400cd amber > 400cd green > 400cd
Optical performance acc. to EN12368	B2/1, W	B3/1, W
Colorimetry	acc. to EN12368	
Uniformity acc. to EN12368	better than 1:2,5	
LED type	high flux	
Phantom light class	Class 5	
PF	0,91	
Operating voltage	9 - 43 V AC/DC	
available standard	Astrin class II - OCIT	
Power consumption	red 5 W amber 5 W green 5 W white 5 W	
EMC	acc. to EN50293	
Cable	2 x 1 mm ² ; 1,2 m	
Ambient Temperature range acc. to EN12368	class A, B, C -40 +60° C	
Protection class	class II acc. to EN60598	
Protection degree	IP 65 acc. to EN60598	
Impact resistance	class IR3acc. to EN60598-1	
Material of lens and housing	stabilized polycarbonate UV	
Weight	0,5 Kg	1,0 Kg
Dimensions (frontal lens included)	Ø 208 x 116 mm	Ø 300 x 161 mm



LA SEMAFORICA
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SISTEMI PER LA GESTIONE DEL TRAFFICO - TRAFFIC CONTROL SYSTEM

STARLED2 - LED OPTICAL LENS TRAFFIC LIGHTS 230V AC

IN COMPLIANCE WITH THE STANDARD EXPECTED OPTICAL EN12368

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Different power sources in the same module to provide solutions in step with new applications such as photovoltaic panels and more.

ADVANTAGES

- Vision of the light evenly distributed throughout the lens without Pin effect
- Low power consumption with high light yield
- Reduction of ghost effect at the lowest levels provided by EN12368
- Average life more than 8 years
- Available with white tinted lenses and to white for tram signals
- Quick connection system with sliding guides, 3 for diameter 200 mm and 4 for the 300 mm supplied with sealing gasket
- Opening of the simplified module with screwed lens. and frsnell internal screw with clutch pressure
- Available all symbol masks provided c.d.s. and on request custom version
- Available in dimming version



Starled2: Available all symbol masks on request

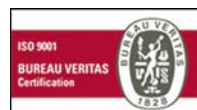


SISTEMI PER LA GESTIONE DEL TRAFFICO - TRAFFIC CONTROL SYSTEM

STARLED2 TECHNICAL DETAILS 230V AC - EN12368

DIAMETER	Ø210 mm	Ø300 mm
Luminous intensity acc. to EN12368	red > 200cd amber > 200cd green > 200cd	red > 400cd amber > 400cd green > 400cd
Optical performance acc. to EN12368	B2/1, W	B3/1, W
Colorimetry	acc. EN12368	
Uniformity acc. to EN12368	better than 1:2,5	
LED type	high flux	
Phantom light class	Class 5	
PF	0,93	
Operating voltage	196 - 265 V / 160 V - 180 V (the output light is reduced of about 50% of normal level when the input voltage decreases)	
Frequency	50 Hz ± 10%	
Power consumption	red 4,5/3 W amber 4,5/3 W green 4,5/3 W white 4,5/3 W	
EMC	acc. to EN50293	
Cable	2 x 0,75 mm ² ; 1 m	
Ambient Temperature range acc. to EN12368	class A, B, C	
Protection class	protection class II acc. to EN60598	
Protection degree	IP 65 acc. to EN60598	
Impact resistance	class IR3 acc. to EN60598-1	
Material of lens and housing	stabilized polycarbonate UV	
Weight	0,5 Kg	1,0 Kg
Dimensions (frontal lens included)	Ø 208 x 116 mm	Ø 300 x 161 mm

AUTHORIZED DISTRIBUTOR



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Company with ISO 9001:2008 certificate for projects, installation and maintenance of luminous signs for traffic safety.
Clearance SOA cat. OS09 class IV.