



SCAE



TRAFLED

Led Traffic Signal

TRAFLED is a led traffic signal using innovative LED modules at high intensity along with an innovative slim design.

The optical unit is a unique block with IP65 protection that replaces the conventional components up to now used, such as lenses, reflectors, lamp holders and lamps.

A limited number of leds, maximum 4, generates a luminous coloured source with high intensity whose rays, adjusted by 2 special lenses, give the signal a high, directional and uniform visibility.

- Highflux led optics ensures the best energy efficiency.
- Beautiful and innovative design.
- Slim profile that suits historical city centres.
- Higher traffic safety.
- Maintenance free.
- Considerable energy saving.
- Longer Life
- Available in different colors.

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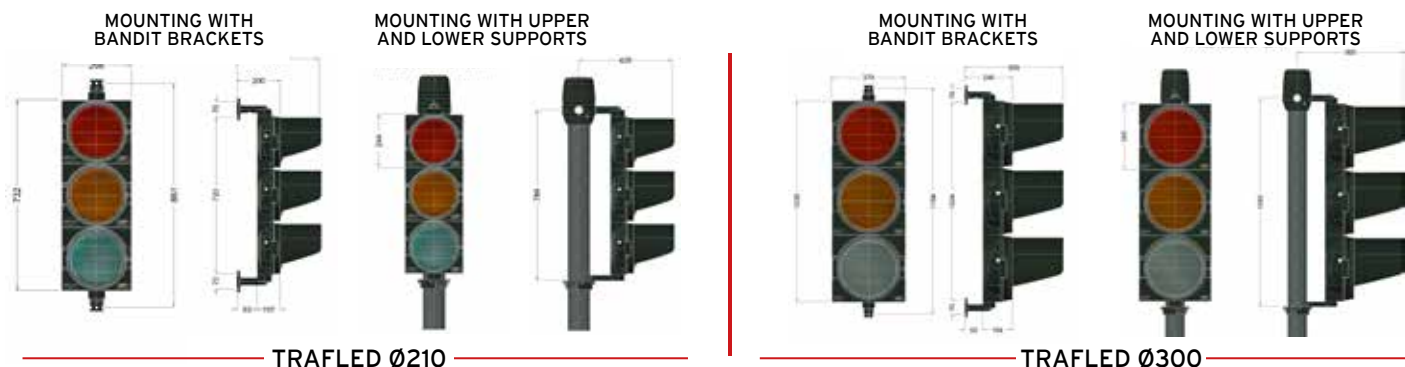
STRUCTURAL FEATURES

- Structure with sectional elements Ø 210 mm and Ø 300 mm in higher quality polycarbonate, UV stabilized, paste coloured, available in the following standard colours: Green, Yellow, Black.
- Monobloc optics with led technology.
- Available with grey lens (not coloured).
- Doors with rapid clutch and spring-lock handle.
- Visor with rapid clutch.
- Possibility of vertical or horizontal mounting.
- Fixing for wall support, bandit and for hanging up on a cantilever pole or rope.

CONFORMITY TO NORMS

Conform to EN12368:2015 norm
CE Conformity (certificates and test reports available on request).

TECHNICAL DATA OF LED MODULES		
Traffic signal	210 mm	300 mm
Light intensity	Red > 400cd Yellow > 200cd Green > 400cd White > 400cd	Red > 400cd Yellow > 400cd Green > 400cd
Dimmer	Nighttime = 50%	
Color	Red/Yellow/Green/White	
Led type	High Flux	
Operating voltage	190-265Vac 12Vdc 32-42Vac 24Vac/dc	
Power consumption	< 10W	
EMC	EN 50293 : class B	
Power factor	> 0.9	
Temperature range	-40°C +60 °C	
Rel. Humidity	< 95%	
Protection degree	EN 60529 : IP65	
Material lens/housing	Polycarbonate	
Weight	< 1.0 Kg.	< 1.5 Kg.
Dimensions (incl. Front lens)	Ø210 x 100.2 mm	Ø300 x 132.4 mm



TRAFLED: RESULTS OF CONFORMITY TESTS CARRIED OUT BY ACCREDITED LABORATORIES

PARAMETER	210 mm				300 mm			NORM
	Green	Amber	Red	White	Green	Amber	Red	
Luminous intensity	>500 cd	>300 cd	>600 cd	>463 cd	>900 cd	>600 cd	>1200 cd	EN 12368
Intensity class	B 3/2	B 2/2	B 3/2	B 3/2	B 3/2	B 2/2	B 3/2	EN 12368
Distribution of luminous intensity	W				W			EN 12368
Lighting uniformity	> 1:10				> 1:10			EN 12368
Phantom signal class	5	5	5	3	5	5	5	EN 12368
Trichromatic coordinates	x=0,073 y=0,572	x=0,594 y=0,405	x=0,704 y=0,295	x=0,319 y=0,314	x=0,085 y=0,590	x=0,599 y=0,400	x=0,706 y=0,293	EN 12368
Environmental class	A - B - C				A - B - C			EN 12368
Protection degree	IP 55				IP 55			EN 60529
Impact resistance	IR3 (AC3)				IR3 (AC3)			EN 12368
Vibration resistance	Conform				Conform			EN 12368
Isolation class	Class II				Class II			EN 60598-2-3



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