



TRAFLED

LED Traffic Signal



TRAFLED is an LED traffic light that uses innovative optical modules with high-intensity LEDs and a modern design. The optical unit is a monoblock with IP55 protection that replaces conventional components previously used, such as lenses, reflectors, lamp holders, and bulbs. A limited number of LEDs—up to 3—produce a high-intensity colored light source whose rays, adjusted through 2 special lenses, provide the signal with high visibility that is directional and uniform. The high-intensity LED optics ensure maximum energy efficiency.

- Optically attractive with a modern appearance;
- Slim design perfectly suited for historic city centers;
- Available in diameters of 210mm and 300mm;
- Excellent stability and durability;
- Significant energy savings;
- Maximum lifespan;
- Available in various colors;
- Can be mounted vertically and/or horizontally;
- Available for mounting on contrast panels.



Construction Features

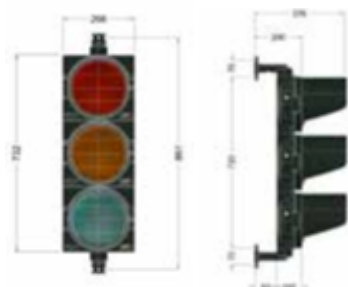
- Modular design with composable elements Ø 210mm and Ø 300mm made of superior quality UV-stabilized polycarbonate, colored in mass and available in the following colors: Standard, Green, Yellow, Black;
- Monoblock LED technology optics;
- Quick-release doors with snap-lock handle;
- Quick-release sun visor;
- Available with clear (grey) lenses;
- Can be mounted vertically or horizontally;
- Mounting brackets for pole support, bandit straps, and suspension on pole arm or cable.

Standards Compliance:

- Compliant with EN 12368:2015 standard;
- CE Certification;
- (Certificates and Test Reports available upon request).

TECHNICAL SPECIFICATIONS – LED MODULES		
Diameter	210mm	300mm
Luminous Intensity	Red > 400cd Yellow > 200cd Green > 400cd White > 400cd	Red > 400cd Yellow > 400cd Green > 400cd
Dimmer	Night mode =50%	
Color	Red/Yellow/Green/White	
LED Type	DRAGON High Flux	
Operating Voltage	190-265Vac 12Vdc 32-42Vac 24Vdc	
Power Consumption	<10W	
EMC	EN50293: class B	
Power	>0.9	
Temperature Range	-40°C +60°C	
Relative Humidity	<95%	
Protection Rating	EN60529: IP65	
Material	Polycarbonate	
Weight	<1.0 Kg Ø210	<1.5 Kg Ø300
Dimensions	x100.2mm Ø210	x132.4mm Ø300

MOUNTING WITH BANDIT BRACKETS

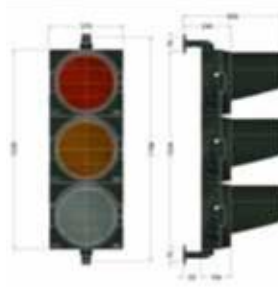


MOUNTING WITH UPPER AND LOWER SUPPORTS



TRAFLED Ø210

MOUNTING WITH BANDIT BRACKETS



MOUNTING WITH UPPER AND LOWER SUPPORTS



TRAFLED Ø300

COMPLIANCE TEST RESULTS – AT ACCREDITED LABORATORIES							
Parameter	200mm (230Vac)			300mm (230Vac)			Standard
	Green	Yellow	Red	Green	Yellow	Red	
Class TYPE N (Narrow beam signal)	A2/1, A3/1, B2/2, B3/2			A3/1, B2/2, B3/2			EN 12368
Class TYPE W (Wide beam signal)	A2/1, A3/1, B1/2, B2/1 B2/2, B3/2			A3/1, B1/2, B2/2, B3/2			EN 12368
Class TYPE M (Medium beam signal)	A2/1, A3/1, A2/2, A3/2			A3/1, A2/2, A3/2			EN 12368
Luminance Uniformity	≥10(for Type E, W and M) ≥15 (for Type N)			≥10(for Type E, W and M) ≥15 (for Type N)			EN 12368
Phantom Class	5			5			EN 12368
Trichromatic Coordinates	x=0,076 y=0,572	x=0,585 y=0,414	x=0,700 y=0,300	x=0,071 y=0,578	x=0,590 y=0,409	x=0,707 y=0,295	EN 12368
Temperature Range Classes	A, B, C			A, B, C			EN 12368
IP	IP55			IP55			EN 60529
Impact Resistance	IR3 (AC3)			IR3(AC3)			EN 12368
Vibration Resistance	Compliant			Compliant			EN 12368
Insulation Class	Class II			Class II			EN 60598-2-3

SAFE MOBILITY

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