

SR LED LUMINAIRES WITH
SOLAR POWER SUPPLY
FOR LIGHTING
TRAFFIC SIGNS



ACTIVE POWER FACTOR CORRECTION (PFC)

LEDs – 148 LM/W

NARROW/WIDE LENSES

HERMETIC

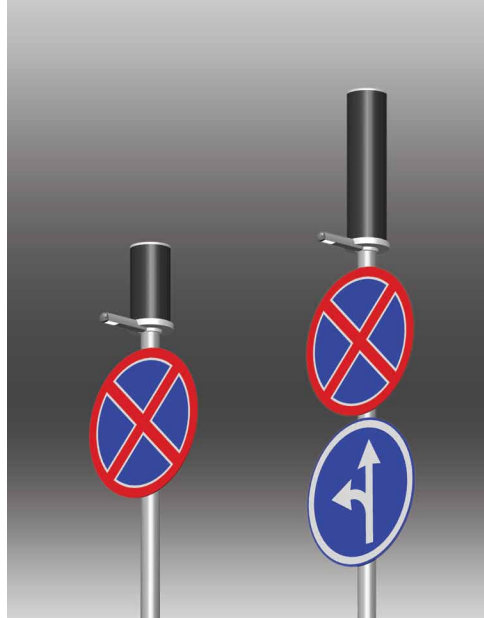
FACILITY FOR INTELLIGENT (MIXED) POWER SUPPLY

(SOLAR PLUS CONVENTIONAL) OPTIONAL.

SR2, SR3

FEATURES

- Compact design – all components are in one common body.
- Handiness for storage and transport.
- Facility for intelligent (mixed) power supply.
- Maximum efficiency in using the maximum sun lighting at the different latitudes.
- Remote control
- Operating temperature available from -35° up to +65°C
- Maximum air humidity 95 %
- Autonomy 66 h



	SR2	SR3
Average illumination of 1 traffic sign 60 x 60 mm	100 lx	–
of 2 traffic signs 60 x 60 mm	–	160 lx

LIGHT SOURCE

LED Power	1 W	2 W
Led driver Power Efficiency	95 %	
Total Power	1.05 W	2.1 W
LED Light Output	148 lm/W	
Current Efficiency	78 %	
LED Luminous Flux	116 lm	232 lm
Junction Temperature at Ta = 25°C	50°C	
Thermal Efficiency	95 %	
Lens Efficiency	92 %	
Real Luminaire Efficacy (LER)	100 lm/W	
Color Rendering Index (CRI)	65÷80	
Real Lamp Luminous Flux for:		
Cool White (4000 ÷ 6200 K)	100 lm	200 lm
Neutral White (3700 ÷ 5000 K)	94 lm	188 lm
Zero Light Pollution	0 cd at 90°	
Lifespan L70	120 000 h (27 years)	

BATTERY

Type	Sealed maintenance free, Flame retardant, Lithium technology	
Capacity	20 Ah	40 Ah
Nominal voltage	3.3 V	
Charging	built in intelligent charge controller (BMS & MPPT)	
Lifespan	14 years (5 000 charging cycles)	

SOLAR CHARACTERISTICS

Solar Module Type	Monocrystalline	
Peak Power	14.5 Wp	29 Wp
Life Expectancy	25 years	

PHYSICAL CHARACTERISTICS – LIGHTS

Body Material	Aluminum cast alloy + Polycarbonate UV stabilized or hard PMMA	
Height	350 mm	670 mm
Tube Diameter	ø 160	
Width	450 mm	
Diameter of the pole at the place of fixing	from ø 60 up to ø 76 mm	
Mass	6 kg	10 kg