

SS16M-493-2SMG48H-7L100

SOLAR LED STREET LIGHT

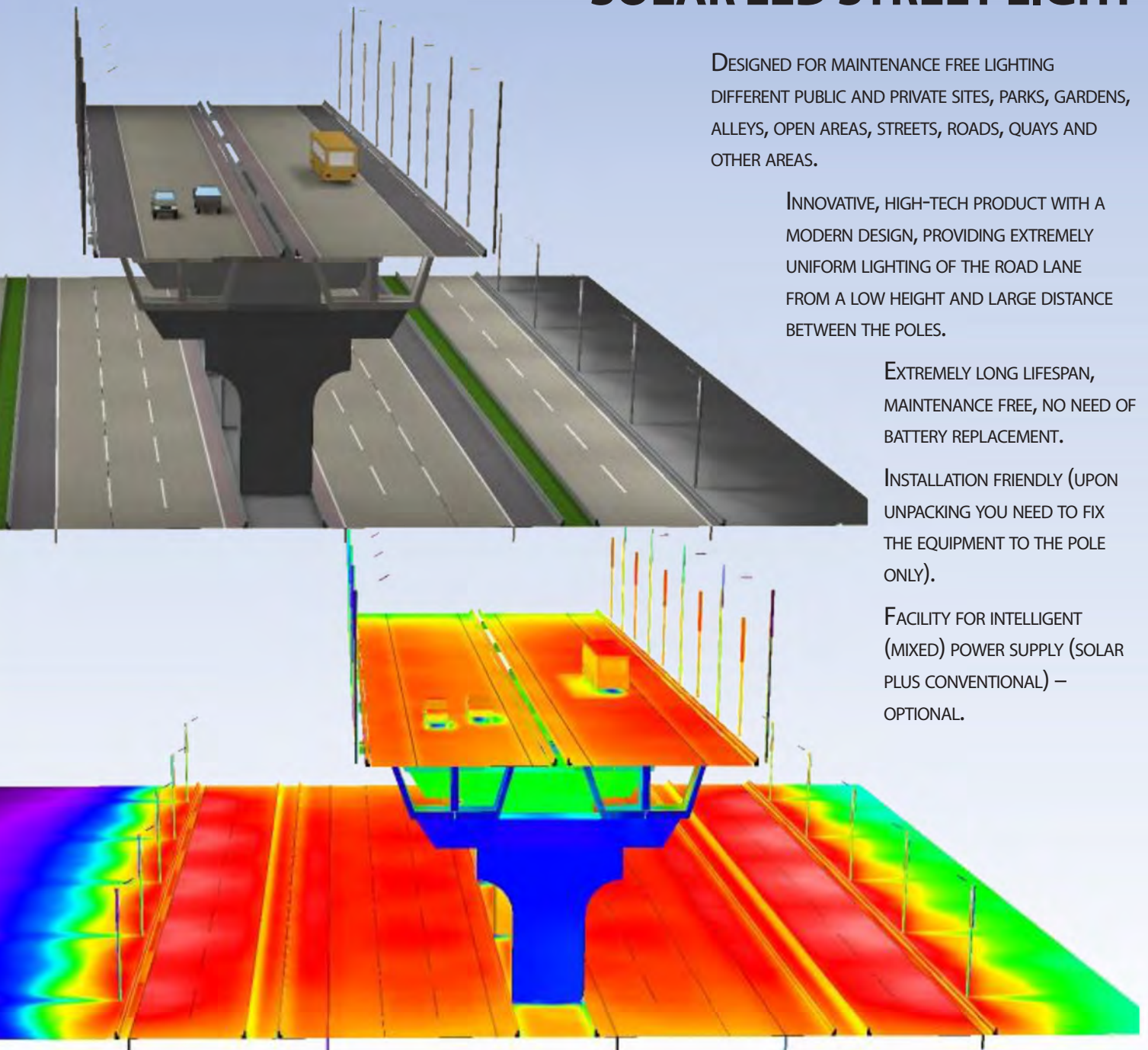
DESIGNED FOR MAINTENANCE FREE LIGHTING
DIFFERENT PUBLIC AND PRIVATE SITES, PARKS, GARDENS,
ALLEYS, OPEN AREAS, STREETS, ROADS, QUAYS AND
OTHER AREAS.

INNOVATIVE, HIGH-TECH PRODUCT WITH A
MODERN DESIGN, PROVIDING EXTREMELY
UNIFORM LIGHTING OF THE ROAD LANE
FROM A LOW HEIGHT AND LARGE DISTANCE
BETWEEN THE POLES.

EXTREMELY LONG LIFESPAN,
MAINTENANCE FREE, NO NEED OF
BATTERY REPLACEMENT.

INSTALLATION FRIENDLY (UPON
UNPACKING YOU NEED TO FIX
THE EQUIPMENT TO THE POLE
ONLY).

FACILITY FOR INTELLIGENT
(MIXED) POWER SUPPLY (SOLAR
PLUS CONVENTIONAL) –
OPTIONAL.



SS16M-493-2SMG48H-7L100

CHARACTERISTICS

- Automatic night/day on/off & economy late night dimming
- Autonomy in nominal mode 27.2 hours (2.3 nights)
- User programmable late night dimming available
- Remote control available
- Operating temperature from -30° up to +60°C
- Maximum air humidity 95 %



LIGHT SOURCE

LED Power	2 x 46.5 W
Led driver Power Efficiency	96 %
LEDs Manufacture	CREE USA
Total Power	2 x 48.4 W
Junction Temperature at Ta = 50°C	80°C
Real Luminaire Efficacy (LER)	145.7 lm/W
Color Rendering Index (CRI)	70 ÷ 80
Real Lamp Luminous Flux for 4000 K	2 x 7050 lm
Lifespan LM79-08	> 50 000 h
Ingress protection rating	IP 66
Mechanical impact protection	IK 08

BATTERY

Type	Sealed maintenance free, Flame retardant, Lithium technology
Capacity	100 Ah
Nominal voltage	23.1 V
Charging	built in intelligent charge controller (BMS & MPPT)
Lifespan	3 000 charging cycles (8 years)
Position	integrated in metal pole

SOLAR MODUL

Type	Monocrystalline
Peak power	493 Wp
Lifespan	≥ 20 years

PARAMETERS OF THE MECHANICAL CONSTRUCTION

Realization	Aluminum cast alloy + Hard PMMA
Height	4700 mm
Tube diameter	ø 284 mm
Weight	95 kg

Additional deliveries

- Zink plated metal poles
- Means of fixing the pole underground / fundament

