

WESTERN CO. Srl declares under its own responsibility that its:

**PV STREETLAMP WITH LED LUMINAIRE**

complies with the following technical standards:

CHARGE CONTROLLER*	
SPB-LS SPB-LS/BT SPB-LS/GSM SPB-LSd SPC07IP	EN50081-1: Electromagnetic compatibility – Generic standard for emission – residential, commercial and light industrial environment. EN55014: Limits and measurement methods of radio disturbance characteristics of domestic appliances and similar – motor or thermal, of electric tools and of similar electrical devices. EN55015: Limits and measurement methods of radio disturbance characteristics of lighting systems and similar apparatus. EN50082-1: Electromagnetic compatibility – Immunity generic standard – industrial environment. EN61000-4-2: Electromagnetic compatibility (EMC). Part 2 : Environment. Section 4: Compatibility levels for low-frequency conducted disturbances in industrial plants.
LED LUMINAIRE*	
W-LIGHT series	EN55015: Limits and measurement methods of radio disturbance characteristics of lighting systems and similar apparatus. EN61000-3-2: Electromagnetic compatibility - Part 3: Limits - Section 2 : emission limits for current harmonics (for equipment with absorbed current not exceeding 16 A per phase) EN61000-3-3: Electromagnetic compatibility - Part 3: Limits – Section 3: Limits for voltage fluctuations and “flicker” for equipments with nominal current not exceeding 16 A – Basic EMC publication EN61347-2-13: Power supplying unit of LED modules E62384: Performances of power supplying unit EN 62031: LED modules EN60838-2-2: Connectors for LED modules EN62471: Photo biological safety EN60598-1 Luminaires EN60598-2-3: Street luminaires
MECHANICAL STRUCTURES (TOP-OF-POLE MOUNTING STRUCTURE, SUPPORTS, POLE)	
WTP20/25/30/50/55 WTP20_2x150Ah / WTP30_2x150Ah WTP EN1090 EXC2 WTP-KSL675/1106/1353 R2.0 STAN/Tower PSE002PSE-KSL680/Tele BZ100/60T/0° BVPSE002 RDI7800/4 /C5.0G/ C5.0B	EN40 EN1090 Mechanical structures for the anchoring of PV module and LED luminaire + pole
SEALED BATTERIES	
AGM/GEL	EN 60896/21-22 Crystalline silicon photovoltaic modules for terrestrial applications.
PV MODULE	
Crystalline silicon	EN 61215 Crystalline silicon photovoltaic modules for terrestrial applications.

\*: manufactured in its own production site where the Quality Management System is certified referring to the UNI ISO Standard 9001:2008.

San Benedetto del Tronto, 01/02/2017



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