



Document number: **MC-20002-SO-40-2026**

The company: **Ligman Lighting Co., Ltd.**  
**17/2 Moo4 Monthong Bang Nam Priao Chachoengsao 24150 Thailand**

declares under its own responsibility that the following product/s:

Brand name: **LIGMAN**      Product type: **Luminaire**      Category: **Luminaire made to order for Vertical Solar PV poles - Street & area lighting**  
Product name: **MACARON 1**      Product reference: **MC-20002-SO-40**

meets the essential requirements of the following directives and according to the related harmonised standards:

Low Voltage Directive (LVD), 2014/35/EU  
**EN 60598-1:2015+A1:2018 / IEC 60598-1:2014+A1:2017**  
**EN 60598-2-3:2003+A1:2011 / IEC 60598-2-3:2002+A1:2011**  
**2013/56/EU**

Electromagnetic compatibility Directive (EMC), 2014/30/EU  
**EN 55015:2019+A11:2020 / CISPR 15:2018**  
**EN / IEC 61547:2009+Cor.1:2010**  
**EN 61000-3-2:2019 / IEC 61000-3-2:2018**  
**EN 61000-3-3:2013+1:2019 / IEC 61000-3-3:2013+A1:2019**

Restriction of the use of certain Hazardous Substances in electronic equipment Directive (RoHS), 2011/65/EU  
**EN 50581:2012**

Additional requirements  
**EN 62471:2008 / IEC 62471:2006**  
**Photobiological safety of lamps and lamp systems**

**2019/2015/EU**  
**Energy Labelling Regulation (ELR)**

**2019/2020/EU**  
**Single Lighting Regulation (SLR)**

**2012/19/EU**  
**WEEE - Waste Electrical & Electronic Equipment (WEEE)**

**EN / IEC 62493:2015**  
**Assessment of lighting equipment related to human exposure to Electromagnetic Field**

**EN 62031:2020 / IEC 62031:2018**  
**LED Modules-Safety (Safety specifications for LED modules)**

These products were CE-marked and simultaneously the original Declaration of Conformity with the Harmonized Standards has been issued for these products. This declaration of conformity is issued under the sole responsibility of the manufacturer.



Chachoengsao, 01 January 2026

Pongsiri Duangsaeng  
Chief Laboratory Division