



Document number: **AB-10011-2026**

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

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

Brand name: **LIGMAN** Product type: **Luminaire** Category: **Bollards**  
Product name: **ABACUS 4** Product reference: **AB-10011**

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 60598-2-1:1989 / IEC 598-2-1:1979+A1:1987**

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)**

Variants (On/Off)  
Compatible with EN/ IEC 60598-2-22: Suitable for emergency installations as central supply, non-maintained (Z0)

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