

# Product information sheet



COMMISSION DELEGATED REGULATION (EU) 2019/2015 on energy labelling of light sources

|                                                                                                                                                                       |                                           |                                                                                                                                                                    |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Supplier's name or trade mark:</b>                                                                                                                                 |                                           | Paulmann Licht GmbH                                                                                                                                                |                                                                                    |
| <b>Supplier's address</b>                                                                                                                                             |                                           | Quezinger Feld 2, DE-31832 Springe-Völksen                                                                                                                         |                                                                                    |
| <b>Model identifier:</b>                                                                                                                                              |                                           | 29288                                                                                                                                                              |                                                                                    |
| <b>Type of light source:</b>                                                                                                                                          |                                           | LED                                                                                                                                                                |                                                                                    |
| <b>Lighting technology used:</b>                                                                                                                                      | LED                                       | <b>Non-directional or directional:</b>                                                                                                                             | NDLS                                                                               |
| <b>Light source cap-type (or other electric interface)</b>                                                                                                            | E27                                       |                                                                                                                                                                    |                                                                                    |
| <b>Mains or non-mains:</b>                                                                                                                                            | MLS                                       | <b>Connected light source (CLS):</b>                                                                                                                               | no                                                                                 |
| <b>Colour-tuneable light source:</b>                                                                                                                                  | no                                        | <b>Envelope:</b>                                                                                                                                                   | no cover                                                                           |
| <b>High luminance light source:</b>                                                                                                                                   | no                                        |                                                                                                                                                                    |                                                                                    |
| <b>Anti-glare shield:</b>                                                                                                                                             | no                                        | <b>Dimmable:</b>                                                                                                                                                   | ja                                                                                 |
| Product parameters                                                                                                                                                    |                                           |                                                                                                                                                                    |                                                                                    |
| <b>Parameter</b>                                                                                                                                                      | <b>Value</b>                              | <b>Parameter</b>                                                                                                                                                   | <b>Value</b>                                                                       |
| <b>General product parameters:</b>                                                                                                                                    |                                           |                                                                                                                                                                    |                                                                                    |
| <b>Energy consumption in on-mode (kWh/1 000 h), rounded up to the nearest integer</b>                                                                                 | 5                                         | <b>Energy efficiency class:</b>                                                                                                                                    | F                                                                                  |
| <b>Useful luminous flux (<math>\Phi_{\text{use}}</math>), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)</b> | 400 at 360 °                              | <b>Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set:</b> | 2700                                                                               |
| <b>On-mode power (<math>P_{\text{on}}</math>), expressed in W</b>                                                                                                     | 4,7                                       | <b>Standby power (<math>P_{\text{sb}}</math>), expressed in W and rounded to the second decimal</b>                                                                |                                                                                    |
| <b>Networked standby power (<math>P_{\text{net}}</math>) for CLS, expressed in W and rounded to the second decimal</b>                                                |                                           | <b>Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set</b>                                                          | 80                                                                                 |
| <b>Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)</b>                                     | <b>Height</b>                             | 164                                                                                                                                                                | <b>Spectral power distribution in the range 250 nm to 800 nm, at full-load</b><br> |
|                                                                                                                                                                       | <b>Width</b>                              | 125                                                                                                                                                                |                                                                                    |
|                                                                                                                                                                       | <b>Depth</b>                              | 125                                                                                                                                                                |                                                                                    |
| <b>Claim of equivalent power</b>                                                                                                                                      | yes                                       | <b>If yes, equivalent power (W)</b>                                                                                                                                | 35 W                                                                               |
|                                                                                                                                                                       | <b>Chromaticity coordinates (x and y)</b> | 0,463                                                                                                                                                              |                                                                                    |
|                                                                                                                                                                       |                                           | 0,42                                                                                                                                                               |                                                                                    |
| <b>Parameters for directional light sources:</b>                                                                                                                      |                                           |                                                                                                                                                                    |                                                                                    |
| <b>Peak luminous intensity (cd)</b>                                                                                                                                   |                                           | <b>Beam angle in degrees, or the range of beam angles that can be set</b>                                                                                          |                                                                                    |
| <b>Parameters for LED and OLED light sources:</b>                                                                                                                     |                                           |                                                                                                                                                                    |                                                                                    |
| <b>R9 colour rendering index value</b>                                                                                                                                | 10                                        | <b>Survival factor</b>                                                                                                                                             | 0,9                                                                                |
| <b>The lumen maintenance factor</b>                                                                                                                                   | 0,94                                      |                                                                                                                                                                    |                                                                                    |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                                                               |                                           |                                                                                                                                                                    |                                                                                    |
| <b>Displacement factor (<math>\cos \phi_1</math>)</b>                                                                                                                 | 0,57                                      | <b>Colour consistency in McAdam ellipses</b>                                                                                                                       | 6                                                                                  |
| <b>Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.</b>                                        | no                                        | <b>If yes, then replacement claim (W)</b>                                                                                                                          |                                                                                    |
| <b>Flicker metric (<math>P_{\text{st}}</math> LM)</b>                                                                                                                 | 0                                         | <b>Stroboscopic effect metric (SVM)</b>                                                                                                                            | 0                                                                                  |