

# Product information sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:**

Brilliant

**Supplier's address:**

Brilliant AG, Brilliantstraße 1, 27442 Gnarrenburg

**Model identifier:**

G82040/63

**Type of light source:**

|                                                                                                                                                       |                       |                                                                                                                                                            |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Lighting technology used:                                                                                                                             | LED                   | Non-directional or directional:                                                                                                                            | NDLS  |
| Light source cap-type (or other electric interface)                                                                                                   | Anschlussklemme       |                                                                                                                                                            |       |
| Mains or non-mains:                                                                                                                                   | NMLS                  | Connected light source (CLS):                                                                                                                              | no    |
| Colour-tuneable light source:                                                                                                                         | no                    | Envelope:                                                                                                                                                  | -     |
| High luminance light source:                                                                                                                          | no                    |                                                                                                                                                            |       |
| Anti-glare shield:                                                                                                                                    | no                    | Dimmable:                                                                                                                                                  | no    |
| <b>Product parameters</b>                                                                                                                             |                       |                                                                                                                                                            |       |
| Parameter                                                                                                                                             | Value                 | Parameter                                                                                                                                                  | Value |
| <b>General product parameters:</b>                                                                                                                    |                       |                                                                                                                                                            |       |
| Energy consumption in on-mode (kWh/1 000 h) rounded up to the nearest integer                                                                         | 31                    | Energy efficiency class                                                                                                                                    | E     |
| Useful luminous flux ( $\Phi_{\text{use}}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 4000 in Sphere (360°) | 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 | 3000  |
| On-mode power ( $P_{\text{on}}$ ), expressed in W                                                                                                     | 31                    | Standby power ( $P_{\text{sb}}$ ), expressed in W and rounded to the second decimal                                                                        |       |
| Networked standby power ( $P_{\text{net}}$ ) for CLS, expressed in W and rounded to the second decimal                                                |                       | Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set                                                         | 80    |

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| Product parameters                                                                                                         |        |          |                                                                         |               |
|----------------------------------------------------------------------------------------------------------------------------|--------|----------|-------------------------------------------------------------------------|---------------|
| Parameter                                                                                                                  |        | Value    | Parameter                                                               | Value         |
| General product parameters:                                                                                                |        |          |                                                                         |               |
| Outer dimensions without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre) | Height | 2        | Spectral power distribution in the range 250 nm to 800 nm, at full-load | see last page |
|                                                                                                                            | Width  | 7        |                                                                         |               |
|                                                                                                                            | Depth  | 3003     |                                                                         |               |
| Claim of equivalent power                                                                                                  |        | true     | If yes, equivalent power (W)                                            | 240           |
|                                                                                                                            |        |          | Chromaticity coordinates (x and y)                                      | 0,444         |
|                                                                                                                            |        |          |                                                                         | 0,41          |
| Parameters for directional light sources:                                                                                  |        |          |                                                                         |               |
| Peak luminous intensity (cd)                                                                                               |        |          | Beam angle in degrees, or the range of beam angles that can be set      |               |
| Parameters for LED and OLED light sources:                                                                                 |        |          |                                                                         |               |
| R9 colour rendering index value                                                                                            |        | -3,91608 | Survival factor                                                         | 0,96          |
| the lumen maintenance factor                                                                                               |        | 0,97     |                                                                         |               |
| Parameters for LED and OLED mains light sources:                                                                           |        |          |                                                                         |               |
| displacement factor (cos φ1)                                                                                               |        | 0,986    | Colour consistency in McAdam ellipses                                   | 3,4           |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.    |        | -        | If yes then replacement claim (W)                                       | -             |
| Flicker metric (Pst LM)                                                                                                    |        | 0,04     | Stroboscopic effect metric (SVM)                                        | 0,0001        |

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