

# Product Information Sheet

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

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

**Supplier's address:** HOF Trading Support, Fahrenheitstraat 11, 6003 DC Weert Limburg, NL

**Model identifier:** 458413

## Type of light source:

|                                                     |          |                                 |     |
|-----------------------------------------------------|----------|---------------------------------|-----|
| Lighting technology used:                           | LED      | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | GU10 Cap |                                 |     |
| Mains or non-mains:                                 | MLS      | Connected light source (CLS):   | No  |
| Colour-tuneable light source:                       | No       | Envelope:                       | -   |
| High luminance light source:                        | No       |                                 |     |
| Anti-glare shield:                                  | No       | Dimmable:                       | Yes |

## Product parameters

| Parameter                                                                                                                                             | Value                     | Parameter                                                                                                                                                  | Value                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>General product parameters:</b>                                                                                                                    |                           |                                                                                                                                                            |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer                                                                         | 5                         | Energy efficiency class                                                                                                                                    | F                      |
| 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°) | 350 in Nar-row cone (90°) | 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 | 2 700                  |
| On-mode power ( $P_{\text{on}}$ ), expressed in W                                                                                                     | 4,8                       | 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                     |
| Outer dimensions without separate control gear, lighting control                                                                                      | Height                    | Spectral power distribution in the range 250 nm to 800 nm, at full-load                                                                                    | See image in last page |
|                                                                                                                                                       | Width                     |                                                                                                                                                            |                        |
|                                                                                                                                                       | Depth                     |                                                                                                                                                            |                        |

|                                                                                                                         |      |                                                                    |                |  |
|-------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------|----------------|--|
| parts and non-lighting control parts, if any (millimetre)                                                               |      |                                                                    |                |  |
| Claim of equivalent power <sup>(a)</sup>                                                                                | Yes  | If yes, equivalent power (W)                                       | 50             |  |
|                                                                                                                         |      | Chromaticity coordinates (x and y)                                 | 0,457<br>0,414 |  |
| <b>Parameters for directional light sources:</b>                                                                        |      |                                                                    |                |  |
| Peak luminous intensity (cd)                                                                                            | 744  | Beam angle in degrees, or the range of beam angles that can be set | 38             |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |      |                                                                    |                |  |
| R9 colour rendering index value                                                                                         | 2    | Survival factor                                                    | 0,90           |  |
| the lumen maintenance factor                                                                                            | 0,96 |                                                                    |                |  |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |      |                                                                    |                |  |
| displacement factor (cos $\phi_1$ )                                                                                     | 1,00 | Colour consistency in McAdam ellipses                              | 6              |  |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | -(b) | If yes then replacement claim (W)                                  | -              |  |
| Flicker metric (Pst LM)                                                                                                 | 1,0  | Stroboscopic effect metric (SVM)                                   | 0,0            |  |

(a) '-': not applicable;

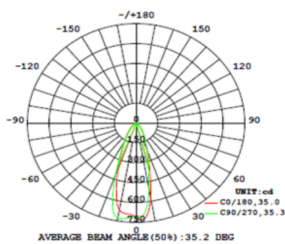
(b) '-': not applicable;

Appendix-Test Data Sheet

5.1 Light Distribution Measurements

Model: PAR16-5W-2700K

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



6.1 Zonal Lumen Summary and Percentages

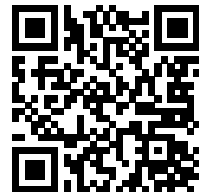
| Zone           | Lumens (lm) | % Luminaire (%) |
|----------------|-------------|-----------------|
| PAR16-5W-2700K |             |                 |
| 0-30           | 283.8       | 70.7            |
| 0-45           | 359.0       | 89.4            |
| 0-60           | 387.4       | 96.4            |
| 0-90           | 401.7       | 100.0           |

7.1 Beam Angle

| Item           | Result  |
|----------------|---------|
| PAR16-5W-2700K |         |
| Beam Angle     | 35.2    |
| Peak Intensity | 744.1cd |

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Model placed on the Union market from 27/08/2019



**EPREL registration number:** 1549332

<https://eprel.ec.europa.eu/qr/1549332>

**Supplier:** HOF Trading B.V. (Manufacturer)

**Website:**

**Customer care service:**

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