

# Product Information Sheet

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

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

**Supplier's address:** Schiefer Lighting, Potterbakkerstraat 35, 4871EP Etten-Leur, NL

**Model identifier:** L642745827

## Type of light source:

|                                                     |      |                                 |                            |
|-----------------------------------------------------|------|---------------------------------|----------------------------|
| Lighting technology used:                           | LED  | Non-directional or directional: | DLS                        |
| Light source cap-type (or other electric interface) | GU10 |                                 |                            |
| 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:                       | Only with specific dimmers |

## Product parameters

| Parameter | Value | Parameter | Value |
|-----------|-------|-----------|-------|
|-----------|-------|-----------|-------|

### General product parameters:

|                                                                                                                                                       |        |                          |                                                                                                                                                            |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer                                                                         |        | 8                        | 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°) |        | 450 in Narrow 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                                                                                                     |        | 7,5                      | Standby power ( $P_{\text{sb}}$ ), expressed in W and rounded to the second decimal                                                                        | 0,00                   |
| 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                                                         | 82                     |
| Outer dimensions without separate control gear, light-                                                                                                | Height | 54                       | Spectral power distribution in the range 250 nm to 800 nm, at full-load                                                                                    | See image in last page |
|                                                                                                                                                       | Width  | 50                       |                                                                                                                                                            |                        |
|                                                                                                                                                       | Depth  | 50                       |                                                                                                                                                            |                        |

|                                                                                                                         |      |                                                                    |                |  |
|-------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------|----------------|--|
| ing control parts and non-lighting control parts, if any (millimetre)                                                   |      |                                                                    |                |  |
| Claim of equivalent power <sup>(a)</sup>                                                                                | -    | If yes, equivalent power (W)                                       | -              |  |
|                                                                                                                         |      | Chromaticity coordinates (x and y)                                 | 0,461<br>0,417 |  |
| <b>Parameters for directional light sources:</b>                                                                        |      |                                                                    |                |  |
| Peak luminous intensity (cd)                                                                                            | 700  | Beam angle in degrees, or the range of beam angles that can be set | 36             |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |      |                                                                    |                |  |
| R9 colour rendering index value                                                                                         | -3   | Survival factor                                                    | 0,70           |  |
| the lumen maintenance factor                                                                                            | 0,70 |                                                                    |                |  |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |      |                                                                    |                |  |
| displacement factor (cos $\phi_1$ )                                                                                     | 0,70 | Colour consistency in McAdam ellipses                              | 5              |  |
| 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)                                                                                                 | 0,7  | Stroboscopic effect metric (SVM)                                   | 0,9            |  |

(a) '-': not applicable;

(b) '-': not applicable;

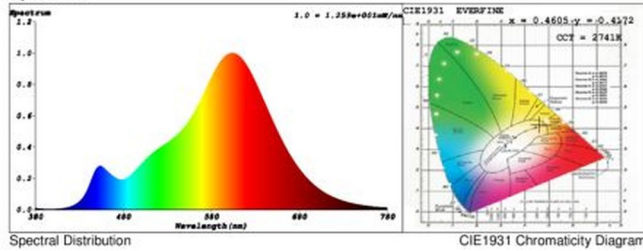
# SPL Spectrum Test Report

|               |   |             |   |                     |
|---------------|---|-------------|---|---------------------|
| Sample        | : | Date        | : | 2021-07-22 09:50:59 |
| Specification | : | Sam. Status | : |                     |
| Sample No.    | : | Instrument  | : | HaasSuite(EVERFINE) |
| Manufacturer  | : | Test by     | : | Renee               |
|               |   | Assessor    | : | damin               |

## Test Condition

|             |   |             |             |   |             |
|-------------|---|-------------|-------------|---|-------------|
| Temperature | : | 25.3Deg     | RH          | : | 65.0%       |
| WL Range    | : | 380nm-780nm | IP          | : | 47136 (72%) |
| Test Mode   | : | Fast Test   | T           | : | 35 ms       |
|             |   |             | Sensitivity | : | High        |

## Spectrum



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4605$   $y = 0.4172$  /  $u' = 0.2600$   $v' = 0.5299$  ( $duv=2.35e-03$ )  
CCT= 2741K Prcp WL: Ld=583.3nm Purity=63.5%  
Peak WL: Lp=604nm FWHM: =110.3nm Ratio:R=24.4% G=73.2% B=2.4%

Render Index: Ra = 80.4

R1 =79 R2 =91 R3 =94 R4 =77 R5 =79 R6 =91 R7 =80  
R8 =53 R9 =-3 R10=81 R11=77 R12=75 R13=82 R14=97 R15=69  
LEVEL:OUT WHITE:ANSI\_2700K

## Photometric & Radiometric Parameters

Flux = 574.85 lm Eff. : 134.31 lm/W Fe = 1.7242 W

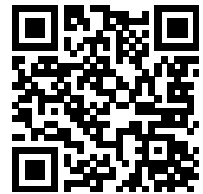
## Electrical parameters

V = 229.9 V I = 0.02047 A P = 4.280 W PF = 0.9094

Schiefer Professional Lighting

www.spl-lighting.com

Model placed on the Union market from 01/09/2021



**EPREL registration number:** 831585

<https://eprel.ec.europa.eu/qr/831585>

**Supplier:** Schiefer Signaal Speciaallampen B.V. (Importer)

**Website:** [www.schiefer.nl](http://www.schiefer.nl)

**Customer care service:**

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