

# 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:** LF023911009

## Type of light source:

|   |     |                                 |                            |
|---|-----|---------------------------------|----------------------------|
| Lighting technology used:                           | LED | Non-directional or directional: | NDLS                       |
| Light source cap-type (or other electric interface) | E27 |                                 |                            |
| 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  | 4                    | Energy efficiency class  | G                      |
| Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 190 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 | 2 200                  |
| On-mode power ( $P_{on}$ ), expressed in W   | 4,0                  | Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal   | 0,00                   |
| Networked standby power ( $P_{net}$ ) 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   | 93                     |
| Outer dimensions   | Height               | Spectral power distribution in the   | See image in last page |
|  | Width                |  |                        |
|  |                      |  | 100                    |

|   |       |                                       |                                      |                |
|---|-------|---------------------------------------|--------------------------------------|----------------|
| without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)               | Depth | 100                                   | range 250 nm to 800 nm, at full-load |                |
| Claim of equivalent power <sup>(a)</sup>  |       | -                                     | If yes, equivalent power (W)         | -              |
|   |       |                                       | Chromaticity coordinates (x and y)   | 0,500<br>0,412 |
| <b>Parameters for LED and OLED light sources:</b>   |       |                                       |                                      |                |
| R9 colour rendering index value   | 65    | Survival factor                       |                                      | 0,96           |
| the lumen maintenance factor  | 0,96  |                                       |                                      |                |
| <b>Parameters for LED and OLED mains light sources:</b>   |       |                                       |                                      |                |
| displacement factor (cos $\phi_1$ )   | 0,85  | 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)   | 0,1   | Stroboscopic effect metric (SVM)      |                                      | 0,3            |

(a)-: not applicable;

(b)-: not applicable;

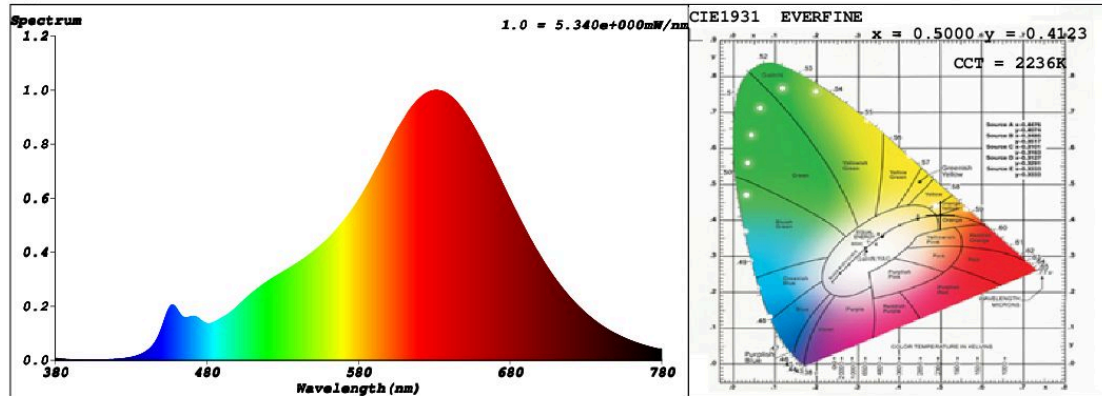
## SPL Spectrum Test Report

|               |   |             |   |                     |
|---------------|---|-------------|---|---------------------|
| Sample        | : | Date        | : | 2021-01-06 14:46:20 |
| Specification | : | Sam. Status | : |                     |
| Sample No.    | : | Instrument  | : | HaasSuite(EVERFINE) |
| Manufacturer  | : | Test by     | : | Schiefer            |
|               |   | Assessor    | : | damin               |

### Test Condition

|             |   |             |             |   |             |
|-------------|---|-------------|-------------|---|-------------|
| Temperature | : | 25.3Deg     | RH          | : | 65.0%       |
| WL Range    | : | 380nm-780nm | IP          | : | 45778 (70%) |
| Test Mode   | : | Fast Test   | T           | : | 78 ms       |
|             |   |             | Sensitivity | : | High        |

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.5000$   $y = 0.4123$  /  $u' = 0.2879$   $v' = 0.5341$  ( $duv = -9.47e-04$ )

CCT= 2236K Prcp WL: Ld=587.3nm Purity=73.9%

Peak WL: Lp=631nm FWHM: =120.9nm Ratio:R=31.6% G=66.4% B=2.0%

Render Index: Ra = 93.9

R1 =96 R2 =99 R3 =97 R4 =96 R5 =97 R6 =94 R7 =90

R8 =82 R9 =65 R10=100 R11=99 R12=88 R13=98 R14=99 R15=91

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 198.14 lm Eff. : 53.95 lm/W Fe = 778.05 mW

### Electrical parameters

V = 229.8 V I = 0.01898 A P = 3.672 W PF = 0.8419

**Schiefer Professional Lighting**

[www.spl-lighting.com](http://www.spl-lighting.com)