

# 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:** LF023980309

## 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  | 5                    | 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   | 4,5                  | 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 without separate control gear, light-   | Height               | 135  | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
|  | Width                | 95   |   |
|  | Depth                | 95   |   |
|  |                      |  | See image in last page  |

|   |      |                                       |                |
|---|------|---------------------------------------|----------------|
| 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)    | 0,507<br>0,418 |
| <b>Parameters for LED and OLED light sources:</b>   |      |                                       |                |
| R9 colour rendering index value   | 76   | 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;

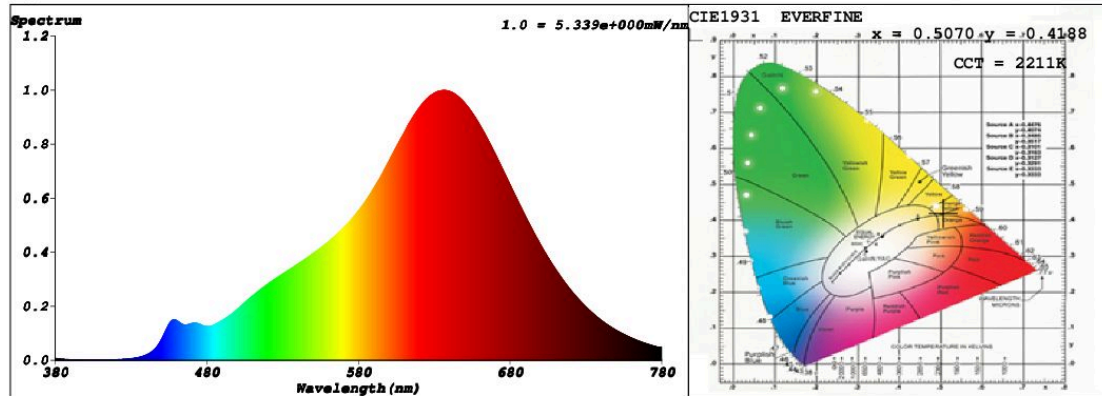
## SPL Spectrum Test Report

|               |                  |             |                       |
|---------------|------------------|-------------|-----------------------|
| Sample        | :                | Date        | : 2020-01-02 14:56:02 |
| Specification | : LF023980309    | Sam. Status | :                     |
| Sample No.    | : LF023980309 01 | Instrument  | : HaasSuite(EVERFINE) |
| Manufacturer  | :                | Test by     | : Schiefer            |
|               |                  | Assessor    | : damin               |

### Test Condition

|             |               |             |               |
|-------------|---------------|-------------|---------------|
| Temperature | : 25.3Deg     | RH          | : 65.0%       |
| WL Range    | : 380nm-780nm | IP          | : 54819 (84%) |
| Test Mode   | : Fast Test   | T           | : 94 ms       |
|             |               | Sensitivity | : High        |

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.5070$   $y = 0.4188$  /  $u' = 0.2892$   $v' = 0.5376$  ( $duv=1.13e-03$ )

CCT= 2211K Prcp WL:  $L_d=586.8nm$  Purity=77.9%

Peak WL:  $L_p=636nm$  FWHM: =121.7nm Ratio:R=32.0% G=66.1% B=1.9%

Render Index:  $R_a = 96.4$

R1 =98 R2 =99 R3 =99 R4 =98 R5 =98 R6 =96 R7 =93

R8 =88 R9 =76 R10=99 R11=97 R12=90 R13=99 R14=98 R15=94

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 190.11 lm Eff. : 46.43 lm/W  $F_e = 775.77$  mW

### Electrical parameters

V = 229.8 V I = 0.02110 A P = 4.095 W PF = 0.8444

**Schiefer Professional Lighting**

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