

# 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:** L642777717

## 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                                                                  | 6                        | 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°) | 210 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 | 2000...2800                                                             |
| On-mode power ( $P_{on}$ ), expressed in W                                                                                                     | 5,5                      | 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                                                         | 85                                                                      |
| Outer dimensions without separate control gear, light-                                                                                         | Height                   | 63                                                                                                                                                         | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
|                                                                                                                                                | Width                    | 50                                                                                                                                                         |                                                                         |
|                                                                                                                                                | Depth                    | 50                                                                                                                                                         |                                                                         |
|                                                                                                                                                |                          |                                                                                                                                                            | 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)                                 | 0,471<br>0,416 |
| <b>Parameters for directional light sources:</b>                                                                        |                   |                                                                    |                |
| Peak luminous intensity (cd)                                                                                            | 420               | Beam angle in degrees, or the range of beam angles that can be set | 30...80        |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |                   |                                                                    |                |
| R9 colour rendering index value                                                                                         | 16                | Survival factor                                                    | 0,90           |
| the lumen maintenance factor                                                                                            | 0,90              |                                                                    |                |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |                   |                                                                    |                |
| displacement factor (cos $\phi_1$ )                                                                                     | 0,65              | Colour consistency in McAdam ellipses                              | 6              |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | .. <sup>(b)</sup> | If yes then replacement claim (W)                                  | -              |
| Flicker metric (Pst LM)                                                                                                 | 0,5               | Stroboscopic effect metric (SVM)                                   | 0,4            |

(a)'.': not applicable;

(b)'.': not applicable;

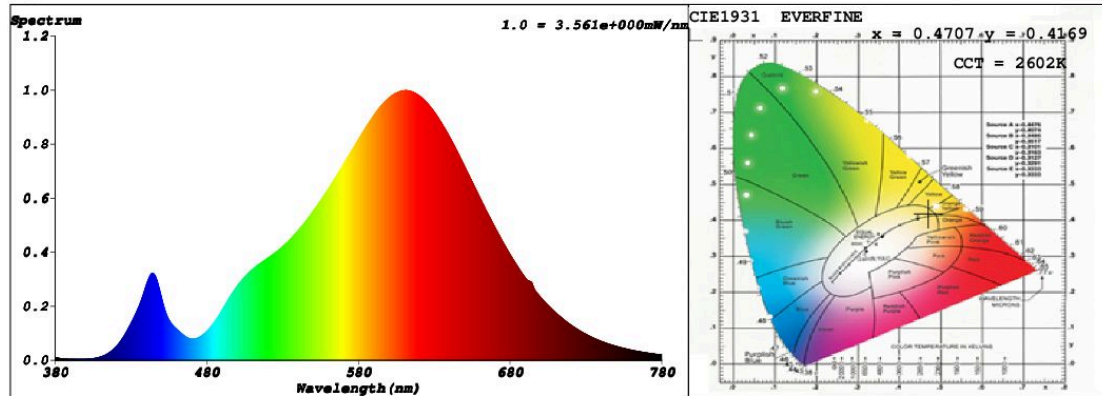
## SPL Spectrum Test Report

|               |   |             |   |                     |
|---------------|---|-------------|---|---------------------|
| Sample        | : | Date        | : | 2021-07-01 09:01:52 |
| 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          | : | 58499 (89%) |
| Test Mode   | : | Fast Test   | T           | : | 143 ms      |
|             |   |             | Sensitivity | : | High        |

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4707$   $y = 0.4169$  /  $u' = 0.2667$   $v' = 0.5314$  ( $duv=1.48e-03$ )

CCT= 2602K Prcp WL:  $L_d=584.3nm$  Purity=66.5%

Peak WL:  $L_p=611nm$  FWHM:  $=126.4nm$  Ratio:R=25.8% G=72.4% B=1.8%

Render Index:  $R_a = 83.2$

R1 =81 R2 =90 R3 =98 R4 =82 R5 =81 R6 =88 R7 =85

R8 =62 R9 =16 R10=77 R11=81 R12=75 R13=82 R14=99 R15=74

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 163.41 lm Eff. : 34.78 lm/W  $F_e = 527.74$  mW

### Electrical parameters

V = 229.9 V I = 0.03369 A P = 4.698 W PF = 0.6067

**Schiefer Professional Lighting**

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