

# 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:** L270013005

## 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                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>General product parameters:</b>                                                                                                                    |                     |                                                                                                                                                            |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer                                                                         | 3                   | Energy efficiency class                                                                                                                                    | G                      |
| 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°) | 50 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 | 1 800                  |
| On-mode power ( $P_{\text{on}}$ ), expressed in W                                                                                                     | 2,5                 | 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              | Spectral power distribution in the range 250 nm to 800 nm, at full-load                                                                                    | See image in last page |
|                                                                                                                                                       | Width               |                                                                                                                                                            |                        |
|                                                                                                                                                       | Depth               |                                                                                                                                                            |                        |

|                                                                                                                         |      |                                       |                |  |
|-------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------|----------------|--|
| 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)    | 0,536<br>0,410 |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |      |                                       |                |  |
| R9 colour rendering index value                                                                                         | 6    | Survival factor                       | 0,70           |  |
| the lumen maintenance factor                                                                                            | 0,93 |                                       |                |  |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |      |                                       |                |  |
| displacement factor (cos $\phi_1$ )                                                                                     | 0,90 | 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)                                                                                                 | 0,5  | Stroboscopic effect metric (SVM)      | 0,1            |  |

(a) '-': not applicable;

(b) '-': not applicable;

## SPL Spectrum Test Report

Sample :  
Specification : L270013005  
Sample No. : L270013005 01  
Manufacturer :

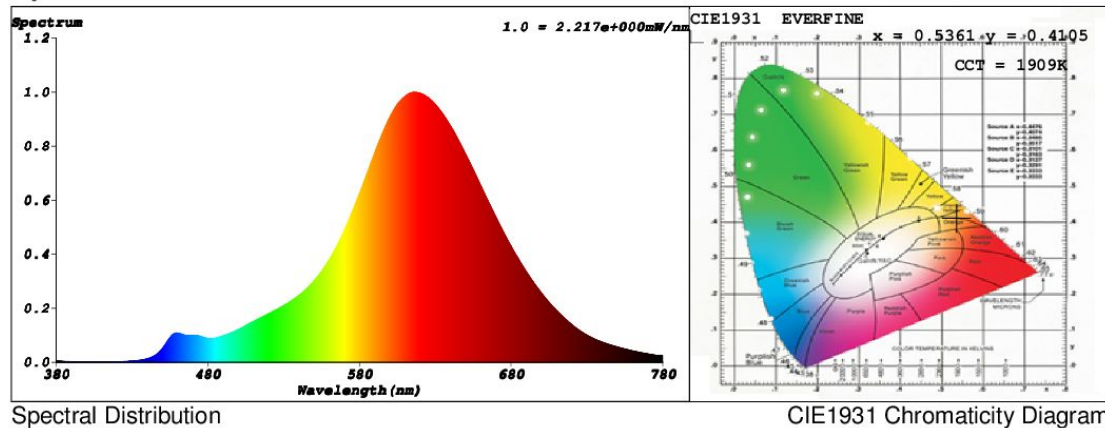
Date : 2021-04-22 14:59:31  
Sam. Status :  
Instrument : HaasSuite(EVERFINE)  
Test by : Schiefer  
Assessor : damin

### Test Condition

Temperature : 25.3Deg  
WL Range : 380nm-780nm  
Test Mode : Fast Test

RH : 65.0%  
IP : 50525 (77%)  
T : 198 ms  
Sensitivity : High

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.5361$   $y = 0.4105$  /  $u' = 0.3129$   $v' = 0.5391$  ( $duv = -2.91e-04$ )

CCT= 1909K Prcp WL:  $L_d = 589.8\text{nm}$  Purity=84.2%

Peak WL:  $L_p = 618\text{nm}$  FWHM:  $= 102.6\text{nm}$  Ratio: R=34.9% G=63.7% B=1.3%

Render Index:  $R_a = 79.4$

R1 =79 R2 =94 R3 =88 R4 =74 R5 =79 R6 =96 R7 =75  
R8 =50 R9 =6 R10 =89 R11 =75 R12 =89 R13 =82 R14 =94 R15 =69

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 75.620 lm Eff. : 32.52 lm/W  $F_e = 273.45\text{ mW}$

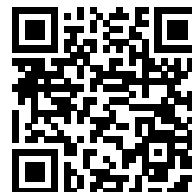
### Electrical parameters

V = 230.0 V I = 0.01106 A P = 2.326 W PF = 0.9140

**Schiefer Professional Lighting**

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

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



**EPREL registration number:** 831361

<https://eprel.ec.europa.eu/qr/831361>

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

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

**Customer care service:**

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