

# 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:** L273500830

## 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                                                                         | 15                     | Energy efficiency class                                                                                                                                    | D                      |
| 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°) | 2 100 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 | 3 000                  |
| On-mode power ( $P_{\text{on}}$ ), expressed in W                                                                                                     | 15,0                   | 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)    | 0,437<br>0,400 |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |      |                                       |                |  |
| R9 colour rendering index value                                                                                         | 9    | Survival factor                       | 0,90           |  |
| 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)                                                                                                 | 0,2  | Stroboscopic effect metric (SVM)      | 0,1            |  |

(a) '-': not applicable;

(b) '-': not applicable;

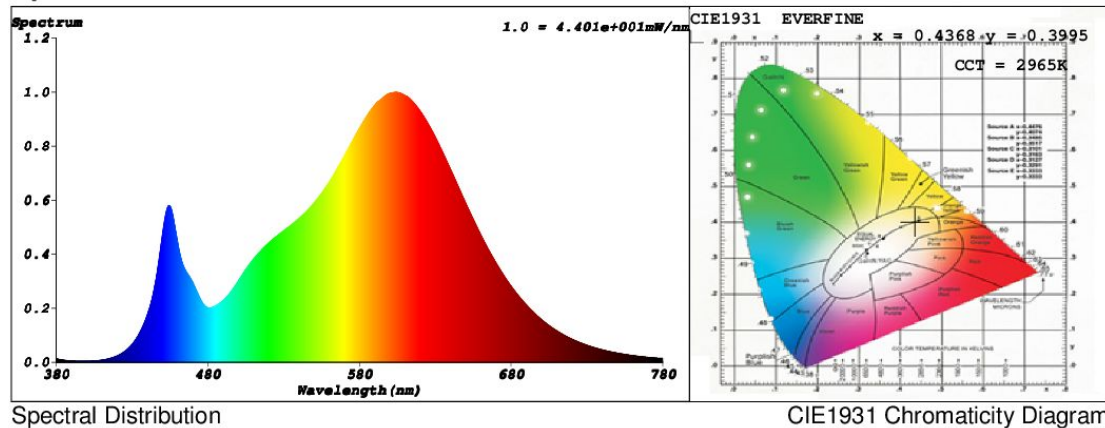
## SPL Spectrum Test Report

|               |              |             |                       |
|---------------|--------------|-------------|-----------------------|
| Sample        | :            | Date        | : 2020-10-15 13:34:39 |
| Specification | : L273500830 | Sam. Status | :                     |
| Sample No.    | : L273500830 | Instrument  | : HaasSuite(EVERFINE) |
| Manufacturer  | :            | Test by     | : Schiefer            |
|               |              | Assessor    | : damin               |

### Test Condition

|             |               |             |               |
|-------------|---------------|-------------|---------------|
| Temperature | : 25.3Deg     | RH          | : 65.0%       |
| WL Range    | : 380nm-780nm | IP          | : 54705 (83%) |
| Test Mode   | : Fast Test   | T           | : 11 ms       |
|             |               | Sensitivity | : High        |

### Spectrum



### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4368$   $y = 0.3995$  /  $u' = 0.2524$   $v' = 0.5195$  ( $duv = -1.80e-03$ )

CCT= 2965K Prcp WL:  $L_d = 583.6nm$  Purity=51.0%

Peak WL:  $L_p = 605nm$  FWHM:  $=124.7nm$  Ratio: R=23.3% G=74.0% B=2.7%

Render Index:  $R_a = 82.7$

|        |        |         |         |         |         |         |         |
|--------|--------|---------|---------|---------|---------|---------|---------|
| R1 =82 | R2 =92 | R3 =95  | R4 =80  | R5 =82  | R6 =91  | R7 =82  |         |
| R8 =59 | R9 =9  | R10 =83 | R11 =79 | R12 =73 | R13 =84 | R14 =98 | R15 =75 |

LEVEL:OUT WHITE:ANSI\_3000K

### Photometric & Radiometric Parameters

Flux = 2127.7 lm Eff. : 134.66 lm/W  $F_e = 6.5595 W$

### Electrical parameters

V = 229.8 V I = 0.06992 A P = 15.80 W PF = 0.9836

**Schiefer Professional Lighting**

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