

# 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:** LF023801502

## 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                                                                  | 2                    | Energy efficiency class                                                                                                                                    | F                                                                       |
| 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°) | 140 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 | 2 500                                                                   |
| On-mode power ( $P_{on}$ ), expressed in W                                                                                                     | 1,5                  | 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               | 80                                                                                                                                                         | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
|                                                                                                                                                | Width                | 45                                                                                                                                                         |                                                                         |
|                                                                                                                                                | Depth                | 45                                                                                                                                                         |                                                                         |
|                                                                                                                                                |                      |                                                                                                                                                            | 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)    | 0,476<br>0,406 |
| <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;

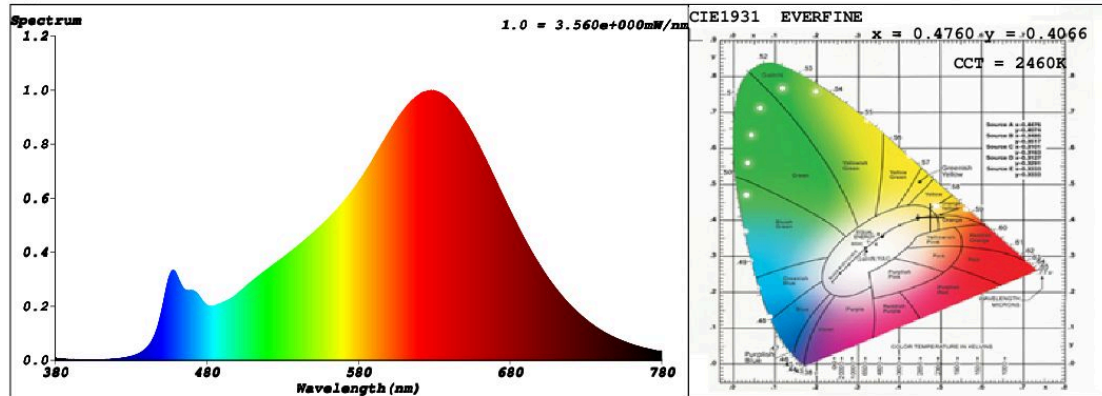
## SPL Spectrum Test Report

|               |                 |             |                       |
|---------------|-----------------|-------------|-----------------------|
| Sample        | :               | Date        | : 2018-10-15 09:17:05 |
| Specification | : LF023801502   | Sam. Status | :                     |
| Sample No.    | : LF023801502 1 | Instrument  | : HaasSuite(EVERFINE) |
| Manufacturer  | : SPL           | Test by     | :                     |
|               |                 | Assessor    | : damin               |

### Test Condition

|             |               |             |               |
|-------------|---------------|-------------|---------------|
| Temperature | : 25.3Deg     | RH          | : 65.0%       |
| WL Range    | : 380nm-780nm | IP          | : 52603 (80%) |
| Test Mode   | : Fast Test   | T           | : 127 ms      |
|             |               | Sensitivity | : High        |

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4760$   $y = 0.4066$  /  $u' = 0.2749$   $v' = 0.5282$  ( $duv = -2.44e-03$ )

CCT= 2460K Prcp WL:  $L_d = 586.3nm$  Purity=64.9%

Peak WL:  $L_p = 630nm$  FWHM:  $= 129.4nm$  Ratio: R=29.1% G=68.3% B=2.6%

Render Index:  $R_a = 92.9$

R1 =96 R2 =99 R3 =95 R4 =93 R5 =96 R6 =94 R7 =89

R8 =81 R9 =65 R10=99 R11=95 R12=85 R13=98 R14=99 R15=91

LEVEL:OUT WHITE:OUT

### Photometric & Radiometric Parameters

Flux = 145.88 lm Eff. : 72.78 lm/W Fe = 544.33 mW

### Electrical parameters

V = 240.0 V I = 0.009744 A P = 2.004 W PF = 0.8570

**Schiefer Professional Lighting**

[www.professional-lighting.eu](http://www.professional-lighting.eu)