

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: L270016400

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 | 4 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{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 | 2 000 |
| On-mode power (P_{on}), expressed in W | 3,5 | 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 | 82 |
| Outer dimensions without separate control gear, light- | Height | 145 | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
| | Width | 64 | |
| | Depth | 64 | |
| | | | See image in last page |

| | | | |
|---|------|---------------------------------------|----------------|
| ing control parts and non-lighting control parts, if any (millimetre) | | | |
| Claim of equivalent power ^(a) | - | If yes, equivalent power (W) | - |
| | | Chromaticity coordinates (x and y) | 0,520 0,406 |
| Parameters for LED and OLED light sources: | | | |
| R9 colour rendering index value | 12 | Survival factor | 0,70 |
| the lumen maintenance factor | 0,93 | | |
| Parameters for LED and OLED mains light sources: | | | |
| displacement factor (cos ϕ_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;

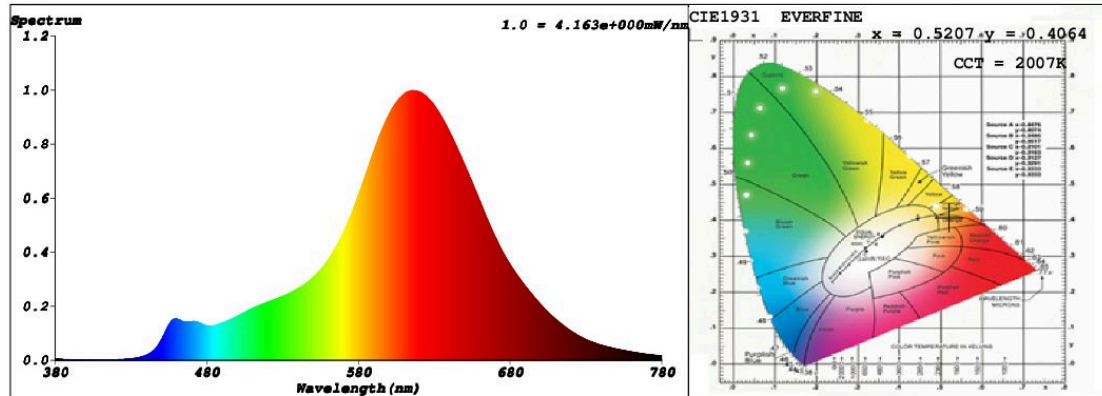
SPL Spectrum Test Report

| | | | |
|---------------|----------------|-------------|-----------------------|
| Sample | : | Date | : 2018-09-05 10:53:42 |
| Specification | : L270016400 | Sam. Status | : |
| Sample No. | : L270016400 2 | Instrument | : HaasSuite(EVERFINE) |
| Manufacturer | : SPL | Test by | : Marc |
| | | Assessor | : damin |

Test Condition

| | | | |
|-------------|---------------|-------------|---------------|
| Temperature | : 25.3Deg | RH | : 65.0% |
| WL Range | : 380nm-780nm | IP | : 57751 (88%) |
| Test Mode | : Fast Test | T | : 115 ms |
| | | Sensitivity | : High |

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.5207$ $y = 0.4064$ / $u' = 0.3047$ $v' = 0.5351$ ($duv = -2.31e-03$)

CCT= 2007K Prcp WL: $L_d = 589.6nm$ Purity=78.3%

Peak WL: $L_p = 615nm$ FWHM: =94.8nm Ratio:R=34.0% G=64.1% B=1.8%

Render Index: $R_a = 81.5$

R1 =84 R2 =98 R3 =84 R4 =80 R5 =87 R6 =92 R7 =74

R8 =52 R9 =12 R10=99 R11=84 R12=84 R13=88 R14=92 R15=73

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 143.92 lm Eff. : 41.18 lm/W $F_e = 503.63$ mW

Electrical parameters

V = 230.0 V I = 0.01610 A P = 3.494 W PF = 0.9438

Schiefer Professional Lighting

www.professional-lighting.eu