

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: LF023870688

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 | 6 | 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°) | 470 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 | 6,0 | 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 | Height | Spectral power distribution in the | See image in last page |
| | Width | | |
| | | | 60 |

| | | | | |
|---|-------|---------------------------------------|--------------------------------------|----------------|
| without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre) | Depth | 60 | range 250 nm to 800 nm, at full-load | |
| Claim of equivalent power ^(a) | | - | If yes, equivalent power (W) | - |
| | | | Chromaticity coordinates (x and y) | 0,495 0,420 |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 62 | Survival factor | | 0,96 |
| the lumen maintenance factor | 0,96 | | | |
| 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) | 0,1 | Stroboscopic effect metric (SVM) | | 0,3 |

(a)-: not applicable;

(b)-: not applicable;

SPL Spectrum Test Report

Sample :
 Specification : L022366037
 Sample No. : LF023870608-2
 Manufacturer :

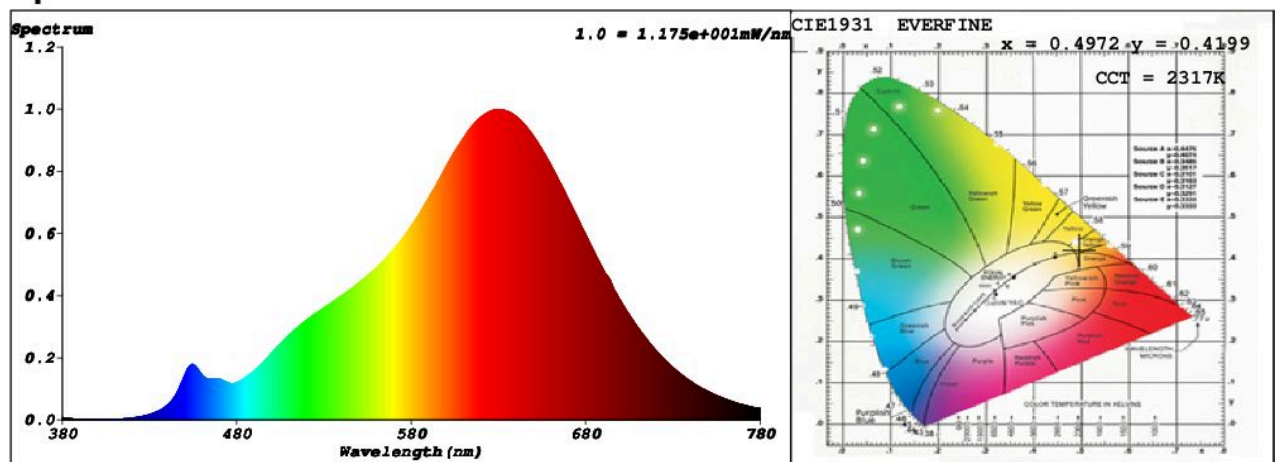
Date : 2020-07-21 13:45:46
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : Schiefer
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 51812 (79%)
 T : 40 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4972$ $y = 0.4199$ / $u' = 0.2823$ $v' = 0.5365$ ($duv=1.51e-03$)
 CCT= 2317K Prcp WL: $L_d=586.0nm$ Purity=75.3%
 Peak WL: $L_p=630nm$ FWHM: =127.2nm Ratio:R=30.3% G=67.8% B=1.8%

Render Index: $R_a = 94.4$

R1 =95 R2 =98 R3 =100 R4 =95 R5 =95 R6 =99 R7 =92
 R8 =82 R9 =63 R10=94 R11=98 R12=90 R13=96 R14=99 R15=89
 LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 458.53 lm Eff. : 76.02 lm/W $F_e = 1.7458$ W

Electrical parameters

V = 229.8 V I = 0.03427 A P = 6.032 W PF = 0.7658

Schiefer Professional Lighting

www.spl-lighting.com