

# 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:** L642777708

## Type of light source:

|                                                     |      |                                 |                            |
|-----------------------------------------------------|------|---------------------------------|----------------------------|
| Lighting technology used:                           | LED  | Non-directional or directional: | DLS                        |
| Light source cap-type (or other electric interface) | GU10 |                                 |                            |
| 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                                                                         | 6                        | 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°) | 210 in Narrow cone (90°) | 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 | 2000...2800            |
| On-mode power ( $P_{\text{on}}$ ), expressed in W                                                                                                     | 5,5                      | 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                                                         | 85                     |
| 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)                                 | 0,468<br>0,414 |  |
| <b>Parameters for directional light sources:</b>                                                                        |      |                                                                    |                |  |
| Peak luminous intensity (cd)                                                                                            | 420  | Beam angle in degrees, or the range of beam angles that can be set | 30...80        |  |
| <b>Parameters for LED and OLED light sources:</b>                                                                       |      |                                                                    |                |  |
| R9 colour rendering index value                                                                                         | 17   | Survival factor                                                    | 0,90           |  |
| the lumen maintenance factor                                                                                            | 0,90 |                                                                    |                |  |
| <b>Parameters for LED and OLED mains light sources:</b>                                                                 |      |                                                                    |                |  |
| displacement factor (cos $\phi_1$ )                                                                                     | 0,65 | 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)                                   | 0,4            |  |

(a) '-': not applicable;

(b) '-': not applicable;

## SPL Spectrum Test Report

Sample :  
Specification : L642777708  
Sample No. : L642777708-327  
Manufacturer :

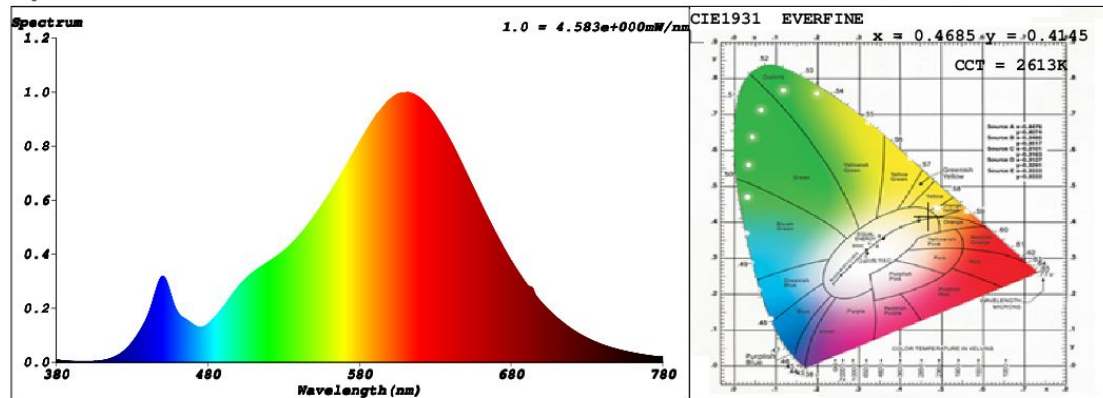
Date : 2021-06-30 16:36:08  
Sam. Status :  
Instrument : HaasSuite(EVERFINE)  
Test by : Renee  
Assessor : damin

### Test Condition

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

RH : 65.0%  
IP : 54727 (84%)  
T : 104 ms  
Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.4685$   $y = 0.4145$  /  $u' = 0.2663$   $v' = 0.5301$  ( $duv=7.73e-04$ )

CCT= 2613K Prcp WL:  $L_d=584.4nm$  Purity=65.1%

Peak WL:  $L_p=612nm$  FWHM:  $=123.4nm$  Ratio: R=25.9% G=72.0% B=2.1%

Render Index:  $R_a = 83.7$

R1 =82 R2 =92 R3 =97 R4 =82 R5 =82 R6 =91 R7 =84

R8 =61 R9 =17 R10=82 R11=81 R12=78 R13=84 R14=99 R15=75

LEVEL:OUT WHITE:ANSI\_2700K

### Photometric & Radiometric Parameters

Flux = 209.12 lm Eff. : 38.16 lm/W  $F_e = 673.25 mW$

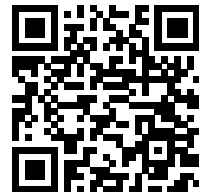
### Electrical parameters

V = 229.8 V I = 0.03834 A P = 5.480 W PF = 0.6218

**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:** 831604

<https://eprel.ec.europa.eu/qr/831604>

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

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

**Customer care service:**

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