

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** blomus GmbH

**Supplier's address:** Kundenservice, Zur Hubertushalle 4, 59846 Sundern, DE

**Model identifier:** LITO LED L

## Type of light source:

|   |            |                                 |      |
|---|------------|---------------------------------|------|
| Lighting technology used:                           | LED        | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | LED-Module |                                 |      |
| Mains or non-mains:                                 | NMLS       | Connected light source (CLS):   | No   |
| Colour-tuneable light source:                       | No         | Envelope:                       | -    |
| High luminance light source:                        | No         |                                 |      |
| Anti-glare shield:                                  | No         | Dimmable:                       | Yes  |

## 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  | 2                       | Energy efficiency class  | G   |
| 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°) | 130 in Wide cone (120°) | 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 | 2 700 or 4 000  |
| On-mode power ( $P_{on}$ ), expressed in W   | 1,2                     | Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal   | -   |
| 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   | 83  |
| Outer dimensions without separate control gear, lighting control   | Height                  | 490  | Spectral power distribution in the range 250 nm to 800 nm, at full-load |
|  | Width                   | 314  |   |
|  | Depth                   | 314  |   |
|  |                         |  | See image in last page  |

|   |      |                                    |                |
|---|------|------------------------------------|----------------|
| 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) | 0,461<br>0,418 |
| <b>Parameters for LED and OLED light sources:</b>         |      |                                    |                |
| R9 colour rendering index value                           | 14   | Survival factor                    | -              |
| the lumen maintenance factor                              | 0,96 |                                    |                |

(a) : not applicable;

(b) : not applicable;

# Report of Spectroradiometric & Electric Analysis for Light Source

Model No.:

Sample SN:

Manufacturer:

Tested By:

Description:

Test Report No.:

Date:

Reviewed By:

## Test Condition

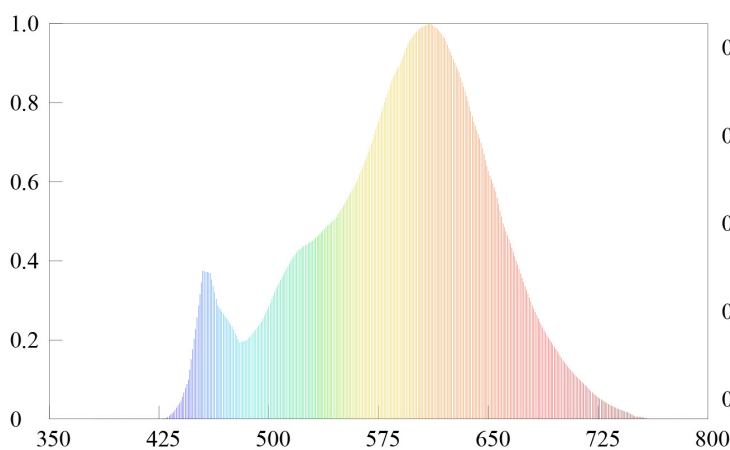
Temperature: 25°C

RH: 58%

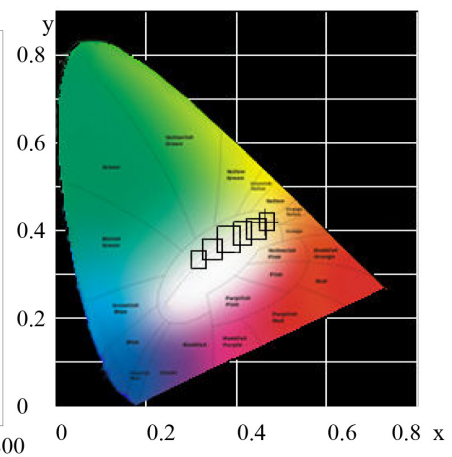
Spectrum Range: 350-800 nm

Scan Step: 5 nm

## Spectroradiometric Parameters



Spectral Distribution



CIE1931 Chromaticity Diagram

Chromaticity Coordinates:  $x=0.4617$   $y=0.4189$   $u'=0.26$   $v'=0.5308$

Correlated Color Temperature: 2738 K

Dominant Wavelength: 582.0 nm(E)

Colour Fidelity Index:  $R_f=82$

Gamut Index:  $R_g=91$

Luminous Flux: 138.86 lm

Purity: 0.6441

Chromaticity Difference:  $+0.00289$ Duv

Peak Wavelength: 610.0 nm

Color Ratio:  $K_r=47.4\%$   $K_g=45.5\%$   $K_b=7.1\%$

Color Tolerance(SDCM): 2.9969

Bandwidth: 111.7nm

Radiant Flux: 0.338 W

Photosynthetically Active Radiation(PAR): 0.33W

Photosynthetic Photon Flux(PPF): 1.63 $\mu$ mol/s

Rendering Index:  $R_a=84.4$

$R_1=84$   $R_2=94$   $R_3=94$   $R_4=82$   $R_5=84$   $R_6=95$   $R_7=82$   $R_8=60$

$R_9=14$   $R_{10}=87$   $R_{11}=83$   $R_{12}=74$   $R_{13}=87$   $R_{14}=98$   $R_{15}=75$   $R_e=80$

## Electric Parameters

Voltage: 5.00 V

Current: 0.286 A

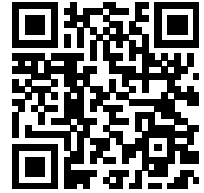
Power Factor: 1.000

Power: 1.43 W

Luminous Efficacy: 97.1 lm/W

SENSING Instruments Co.,Ltd

Model placed on the Union market from 01/01/2024



**EPREL registration number:** 1817114

<https://eprel.ec.europa.eu/qr/1817114>

**Supplier:** blomus GmbH (Importer)

**Website:** [www.blomus.com](http://www.blomus.com)

**Customer care service:**

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