# Product Information Sheet

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

**Supplier's name or trade mark:** ELMARK

**Supplier's address:** ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

**Model identifier:** 99LED828W

**Type of light source:**

| | | | |
|---|---|---|---|
| Lighting technology used: | LED | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | E14 | | |
| 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: | No |

**Product parameters**

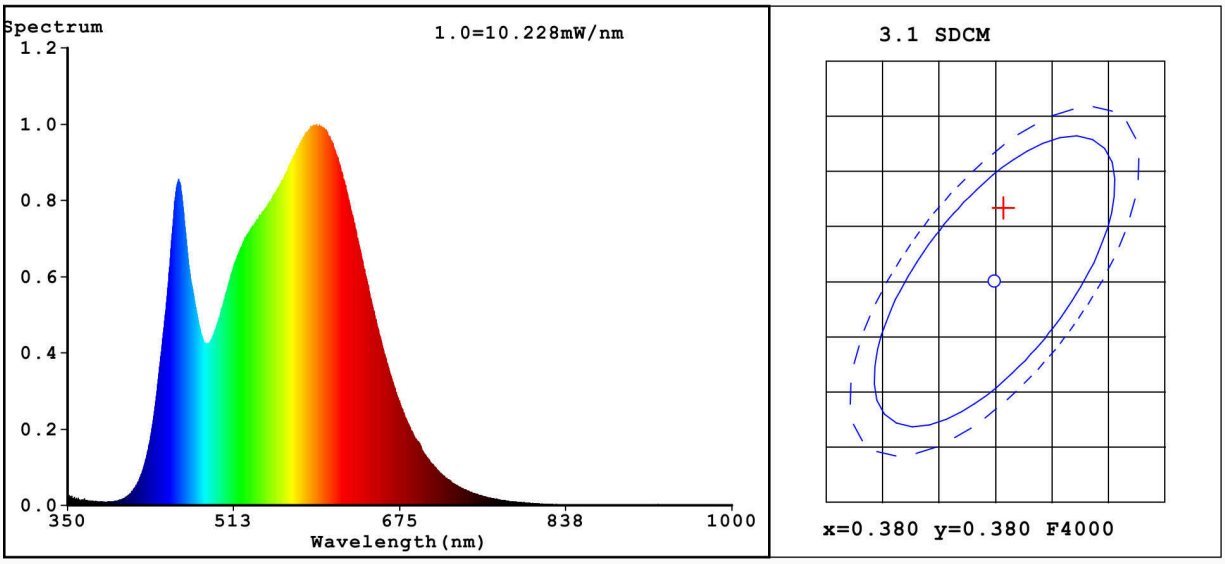
| Parameter | Value | Parameter | Value |
|---|---|---|---|
| **General product parameters:** | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 5 | Energy efficiency class | E |
| Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) | 550 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 | 4 000 |
| On-mode power ($P_{on}$), expressed in W | 5,0 | 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 | 83 |
| Outer dimensions without — Height | 78 | Spectral power distribution in the | See image in last page |
| Outer dimensions without — Width | 45 | | |
| Outer dimensions without — Depth | 45 | | |

| | | | | |
|---|---|---|---|---|
| separate control gear, lighting control parts and non-lighting control parts, if any (millimetre) | | | range 250 nm to 800 nm, at full-load | |
| Claim of equivalent power[a] | | Yes | If yes, equivalent power (W) | 50 |
| | | | Chromaticity coordinates (x and y) | 0,380<br>0,386 |
| **Parameters for LED and OLED light sources:** | | | | |
| R9 colour rendering index value | | 9 | Survival factor | 0,54 |
| the lumen maintenance factor | | 0,93 | | |
| **Parameters for LED and OLED mains light sources:** | | | | |
| displacement factor (cos ϕ1) | | 0,50 | Colour consistency in McAdam ellipses | 5 |
| Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. | | Yes[b] | If yes then replacement claim (W) | 5 |
| Flicker metric (Pst LM) | | 0,7 | Stroboscopic effect metric (SVM) | 0,3 |

[a] '-' : not applicable;

[b] '-' : not applicable;

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.3808 y=0.3867/u'=0.2214 v'=0.5059

CCT=4062K(Duv=0.0045) Dominant WL:Ld =576.6nm WL:Lc = --nm Purity=30.3%

Ratio:R=18.0% G=77.8% B=4.2% Peak WL:Lp=593.4nm FWHM=151.5nm

Render Index:Ra=83.9 AvgR=77.6

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =82 | R2 =92 | R3 =96 | R4 =80 | R5 =82 | R6 =89 | R7 =86 | |
| R8 =64 | R9 =9 | R10=80 | R11=79 | R12=66 | R13=85 | R14=98 | R15=75 |

## Photo Parameters:

Flux = 595.7 lm Eff. : 123.26 lm/W Fe = 1.814 W

Scotopic:1043.8 S/P:1.7523

## Electrical parameters:

V = 230.04 V I = 0.03838 A P = 4.833 W PF = 0.5474

Status: Integral T = 436 ms Ip = 46610 (71%)

Model:LED FILAMENT G45 Number:2

Tester: Date:2021-05-24 14:15:02

Temperature:25.3Deg Humidity:65.0%

Manufacturer: Remarks: