# 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:** 99LED587

**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: | No |

**Product parameters**

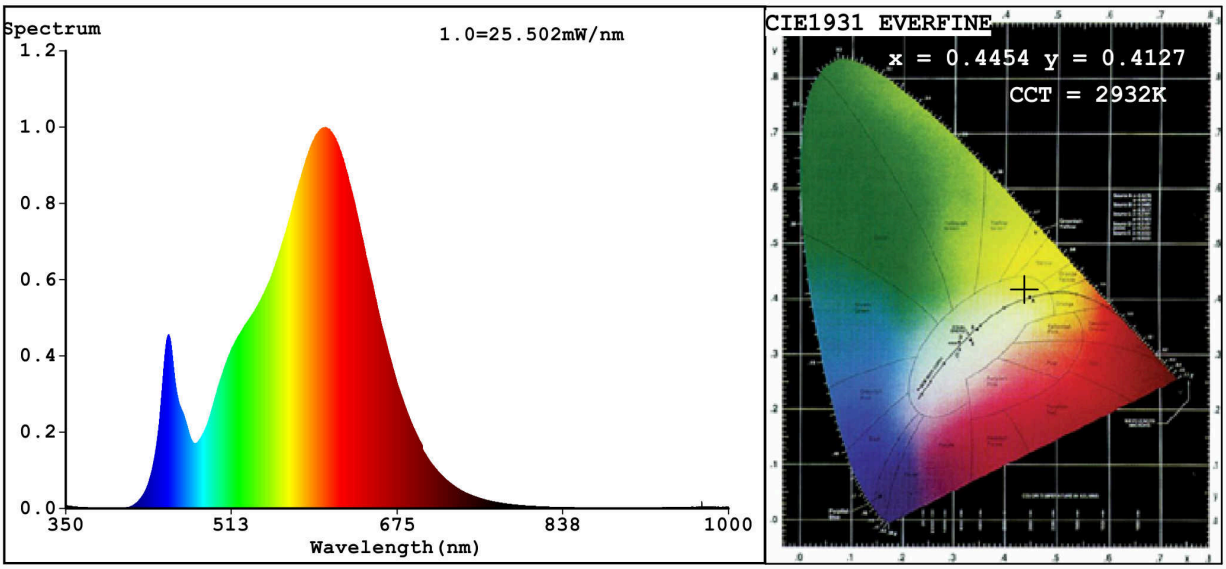
| Parameter | Value | Parameter | Value |
|---|---|---|---|
| **General product parameters:** | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 12 | Energy efficiency class | F |
| Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) | 1 080 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 | 3 000 |
| On-mode power ($P_{on}$), expressed in W | 12,0 | 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 | 82 |
| Outer dimensions without — Height | 127 | Spectral power distribution in the | See image in last page |
| Outer dimensions without — Width | 60 | | |
| Outer dimensions without — Depth | 60 | | |

| | | | | |
|---|---|---|---|---|
| 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) | 75 |
| | | | Chromaticity coordinates (x and y) | 0,445<br>0,412 |
| **Parameters for LED and OLED light sources:** | | | | |
| R9 colour rendering index value | | 7 | Survival factor | 0,90 |
| 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) | 63 |
| Flicker metric (Pst LM) | | 0,6 | Stroboscopic effect metric (SVM) | 0,2 |

[a] '-' : not applicable;

[b] '-' : not applicable;

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.4454 y=0.4127/u'=0.2523 v'=0.5260

CCT=2932K(Duv=0.0023) Dominant WL:Ld =582.4nm WL:Lc = --nm Purity=57.6%

Ratio:R=23.2% G=74.4% B=2.4%¡¡Peak WL:Lp=604.8nm FWHM=127.8nm

Render Index:Ra=82.6

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =81 | R2 =90 | R3 =97 | R4 =81 | R5 =81 | R6 =89 | R7 =83 | |
| R8 =59 | R9 =7 | R10=79 | R11=80 | R12=71 | R13=83 | R14=99 | R15=73 |

## Photo Parameters:

Flux = 1239 lm Eff. : 112.47 lm/W Fe = 3.764 W

## Electrical parameters:

V = 219.97 V I = 0.08647 A P = 11.01 W PF = 0.5789

WHITE:ANSI_3000K

~~Status: Integral T = 43 ms Ip = 52966 (81%)~~

| | |
|---|---|
| Model:LED PEAR A60 | Number:99LED587 |
| Tester:Atanas DAKOV | Date:2021-01-26 14:20:54 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer:ELMARK | Remarks:7084 |