# 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:** 92GLOM222WW

**Type of light source:**

| | | | |
|---|---|---|---|
| Lighting technology used: | LED | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | Integrated LED | | |
| 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**

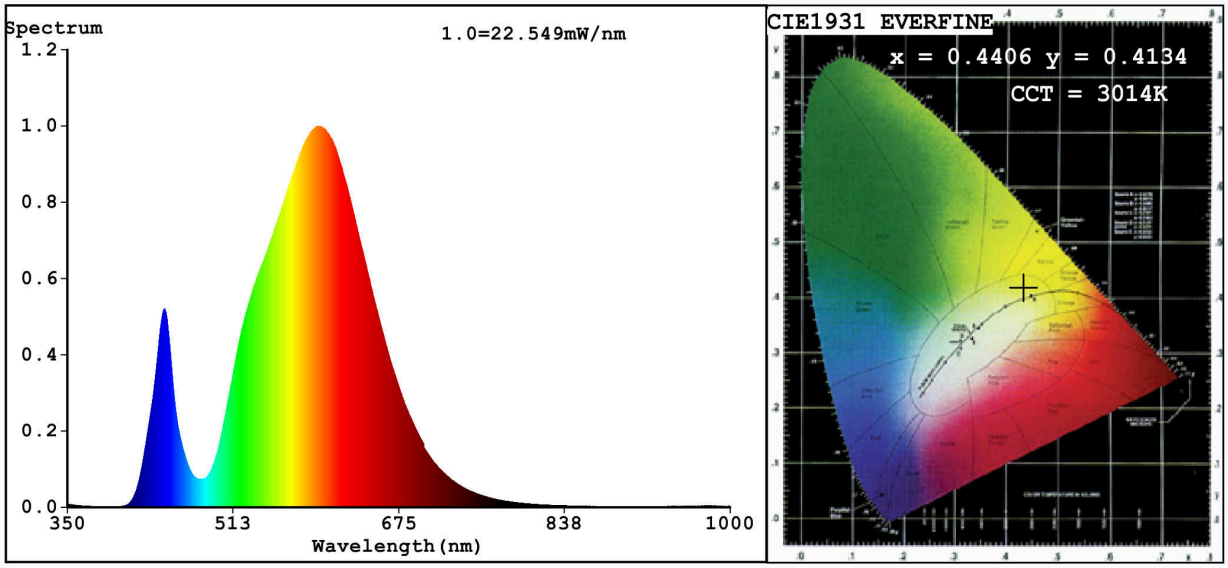
| Parameter | Value | Parameter | Value |
|---|---|---|---|
| **General product parameters:** | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 18 | Energy efficiency class | G |
| Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) | 1 200 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 | 3 000 |
| On-mode power ($P_{on}$), expressed in W | 20,3 | 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 | 72 |
| Outer dimensions without — Height | 115 | Spectral power distribution in the | See image in last page |
| Outer dimensions without — Width | 165 | | |
| Outer dimensions without — Depth | 165 | | |

| | | | | |
|---|---|---|---|---|
| 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] | | - | If yes, equivalent power (W) | - |
| | | | Chromaticity coordinates (x and y) | 0,440<br>0,413 |
| **Parameters for directional light sources:** | | | | |
| Peak luminous intensity (cd) | | 595 | Beam angle in degrees, or the range of beam angles that can be set | 60 |
| **Parameters for LED and OLED light sources:** | | | | |
| R9 colour rendering index value | | 0 | Survival factor | 0,40 |
| the lumen maintenance factor | | 0,93 | | |
| **Parameters for LED and OLED mains light sources:** | | | | |
| displacement factor (cos ϕ1) | | 0,30 | Colour consistency in McAdam ellipses | 1 |
| 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) | | 0,0 | Stroboscopic effect metric (SVM) | 0,0 |

[a] '-' : not applicable;

[b] '-' : not applicable;

# Spectrum Test Report




## Color Parameters:

Chromaticity Coordinate:x=0.4406 y=0.4134/u'=0.2489 v'=0.5256

CCT=3014K(Duv=0.0032) Dominant WL:Ld =581.7nm WL:Lc = --nm Purity=56.4%

Ratio:R=21.3% G=77.4% B=1.3%¡¡Peak WL:Lp=595.8nm FWHM=131.1nm

Render Index:Ra=72.9 AvgR=65.0 TM30:Rf=75 Rg=95 Lav=588.8nm

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =70 | R2 =80 | R3 =88 | R4 =72 | R5 =68 | R6 =71 | R7 =81 | |
| R8 =52 | R9 =0 | R10=53 | R11=67 | R12=45 | R13=71 | R14=93 | R15=64 |

## Photo Parameters:

Flux = 1146 lm Eff. : 56.33 lm/W Fe = 3.354 W

## Electrical parameters:

V = 225.06 V I = 0.2441 A P = 20.34 W PF = 0.3703

WHITE:ANSI_3000K

Status: Integral T = 31 ms Ip = 33956 (52%)

| | |
|---|---|
| Model:LED INTERIOR LIGHTING | Number:92GLOM222WW |
| Tester:Atanas DAKOV | Date:2021-08-31 09:54:18 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer:ELMARK | Remarks: |