

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: 99LED972CWE

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

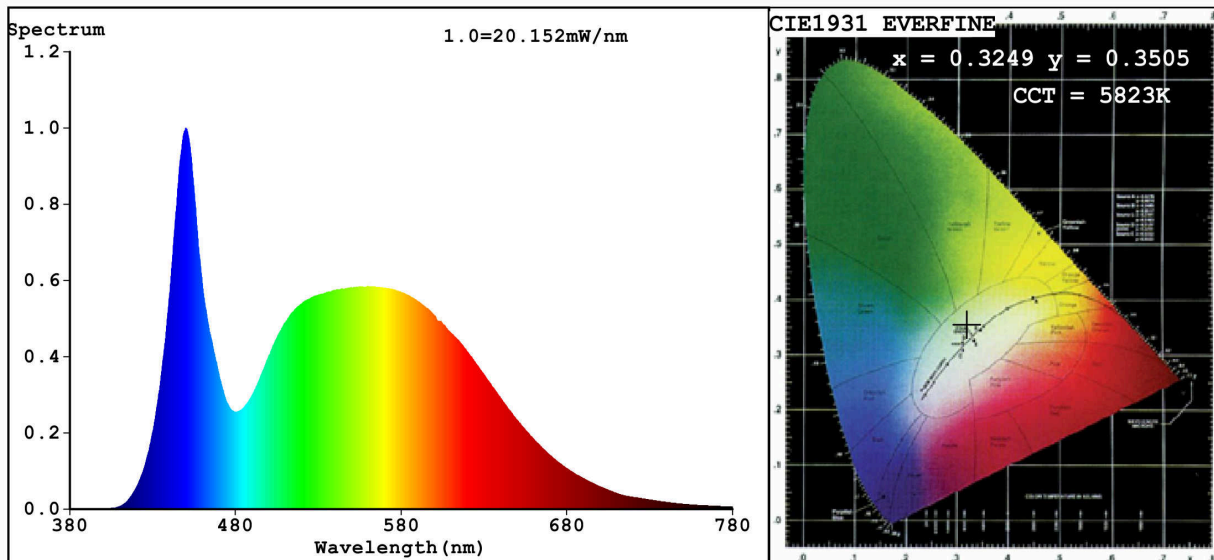
| Parameter | Value | Parameter | Value |
|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 12 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 760 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 | 6 000 |
| On-mode power (P_{on}), expressed in W | 13,5 | 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 | 80 |
| Outer dimensions without | Height | Spectral power distribution in the | See image in last page |
| | Width | | |
| | Depth | | |

| | | | | |
|-------------------------------------------------------------------------------------------------------------------------|------|--|--------------------------------------------------------------------|----------------|
| 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) | 0,324 0,350 |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 449 | | Beam angle in degrees, or the range of beam angles that can be set | 120 |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 0 | | Survival factor | 0,50 |
| the lumen maintenance factor | 0,93 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 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. | -(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: $x=0.3249$ $y=0.3505$ / $u'=0.1982$ $v'=0.4811$

CCT=5823K(Duv=0.0081) Dominant WL:Ld =521.5nm Purity=3.4%

Ratio:R=13.5% G=81.6% B=4.9%; Peak WL:Lp=449.9nm FWHM=24.2nm

Render Index:Ra=80.7

R1 =77 R2 =84 R3 =91 R4 =81 R5 =79 R6 =80 R7 =87
R8 =66 R9 =0 R10=64 R11=80 R12=58 R13=79 R14=95 R15=71

Photo Parameters:

Flux = 760.9 lm Eff. : 56.35 lm/W Fe = 2.365 W

Electrical parameters:

V = 229.95 V I = 0.1071 A P = 13.50 W PF = 0.5485

WHITE:OUT

Status: Integral T = 43 ms Ip = 47882 (73%)

Model:LED PANELS ROUND/12W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED972CW
Date:2019-07-05 16:02
Humidity:65.0%
Remarks:W1119X021_5736