

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: 96GRFLED001/T2

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: | Yes | Dimmable: | No |

Product parameters

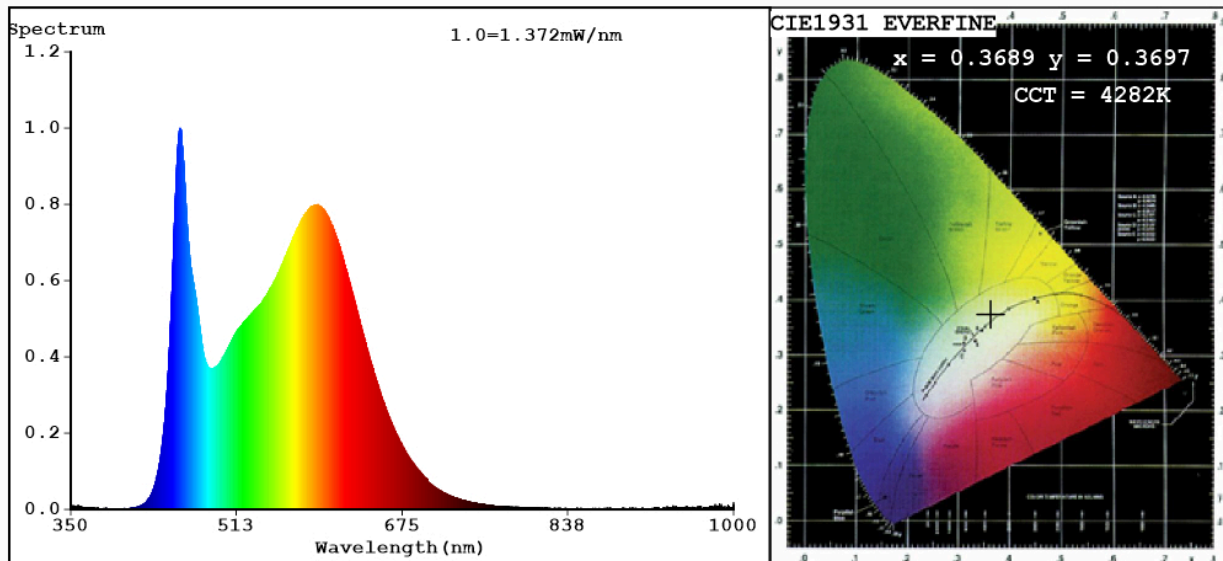
| Parameter | Value | Parameter | Value |
|--|-------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 1 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 50 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 | 4 000 |
| On-mode power (P_{on}), expressed in W | 1,4 | 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 | 81 |
| Outer dimensions without separate control gear, lighting control | Height | Spectral power distribution in the range 250 nm to 800 nm, at full-load | See image in last page |
| | Width | | |
| | Depth | | |

| | | | | |
|---|------|--|----------------|--|
| parts and non-lighting control parts, if any (millimetre) | | | | |
| Claim of equivalent power ^(a) | - | If yes, equivalent power (W) | - | |
| | | Chromaticity coordinates (x and y) | 0,368 0,369 | |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 25 | Beam angle in degrees, or the range of beam angles that can be set | 76 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 0 | Survival factor | 0,50 | |
| the lumen maintenance factor | 0,95 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,50 | Colour consistency in McAdam ellipses | 2 | |
| 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: $x=0.3689$ $y=0.3697$ $u'=0.2203$ $v'=0.4967$
 CCT=4282K(Duv=0.0002) Dominant WL:Ld =577.8nm WL:Lc = --nm Purity=21.6%
 Ratio:R=17.4% G=77.6% B=5.0%; Peak WL:Lp=457.4nm FWHM=27.7nm
 Render Index:Ra=81.6

| | | | | | | |
|--------|--------|--------|--------|--------|--------|---------------|
| R1 =82 | R2 =95 | R3 =91 | R4 =75 | R5 =81 | R6 =90 | R7 =80 |
| R8 =58 | R9 =0 | R10=87 | R11=74 | R12=62 | R13=86 | R14=96 R15=74 |

Photo Parameters:

Flux = 61.30 lm Eff. : 43.16 lm/W Fe = 186.6 mW

Electrical parameters:

V = 229.41 V I = 0.01599 A P = 1.420 W PF = 0.3872
 WHITE:ANSI_4500K

Status: Integral T = 626 ms Ip = 37404 (57%)

Model:LED OUTDOOR LIGHTING
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:96GRFLED001 T2
 Date:2022-09-01 13:15:48
 Humidity:65.0%
 Remarks:8841