

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: 96GRFLED304/6GR

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

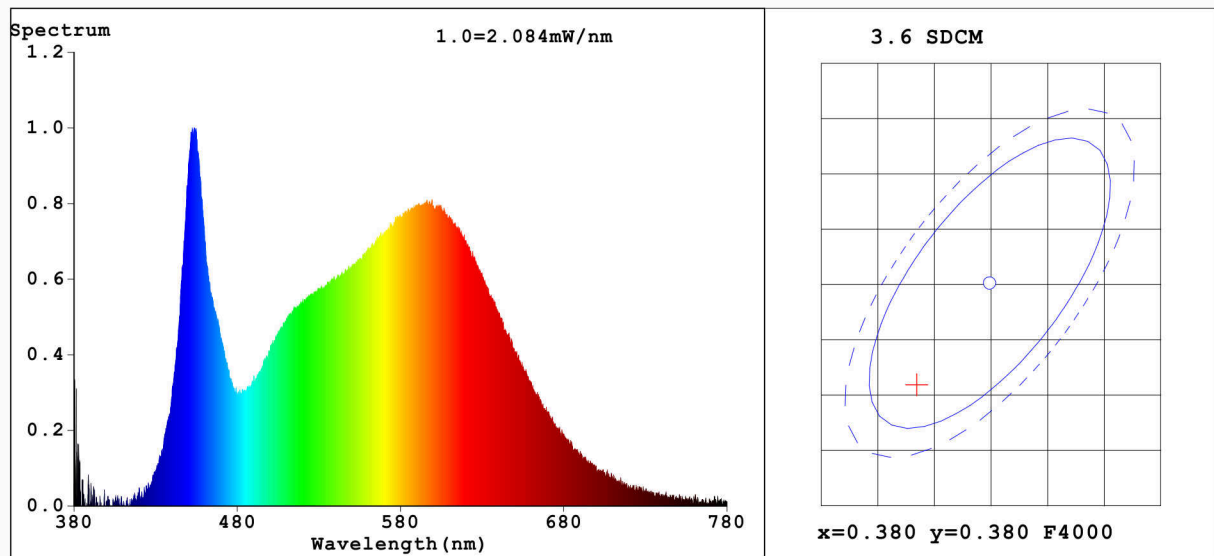
| Parameter | Value | Parameter | Value |
|--|--------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 6 | Energy efficiency class | G |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 109 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 | 5,9 | 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 | 85 |
| 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) | 0,373 0,370 | |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 453 | Beam angle in degrees, or the range of beam angles that can be set | 30 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 18 | Survival factor | 0,90 | |
| the lumen maintenance factor | 0,94 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,50 | Colour consistency in McAdam ellipses | 6 | |
| 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) | 1,0 | Stroboscopic effect metric (SVM) | 0,4 | |

(a) - : not applicable;

(b) - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3735$ $y=0.3707$ $u'=0.2229$ $v'=0.4979$

CCT=4152K(Duv=-0.0008) Dominant WL:Ld =578.9nm Purity=23.3%

Ratio:R=18.3% G=77.5% B=4.2% Peak WL:Lp=453.7nm FWHM=23.0nm

Render Index:Ra=85.4

R1 =85 R2 =93 R3 =96 R4 =83 R5 =84 R6 =89 R7 =86

R8 =67 R9 =18 R10=83 R11=83 R12=64 R13=87 R14=99 R15=79

Photo Parameters:

Flux = 109.73 lm Eff. : 18.41 lm/W Fe = 338.8 mW

Electrical parameters:

V = 230.24 V I = 0.05109 A P = 5.959 W PF = 0.5064

LEVEL:OUT WHITE:OUT

Status: Integral T = 4317 ms Ip = 21299 (33%)

Model:96GRFLED304/6BL

Tester:

Temperature:25.3Deg

Manufacturer:FLD

Number:1

Date:2021-07-01

Humidity:65.0%

Remarks: