

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: 9617LEDP

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: | NMLS | Connected light source (CLS): | No |
| Colour-tuneable light source: | No | Envelope: | - |
| High luminance light source: | No | | |
| Anti-glare shield: | No | Dimmable: | No |

Product parameters

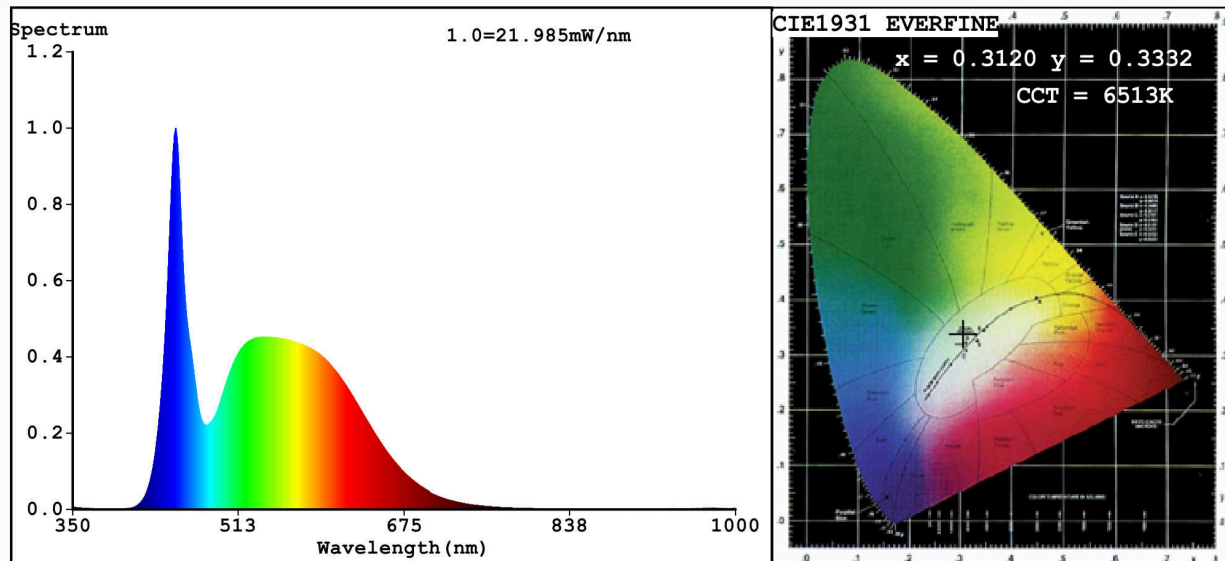
| Parameter | Value | Parameter | Value |
|--|--------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 5 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 440 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 | 6 500 |
| On-mode power (P_{on}), expressed in W | 4,7 | 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 | 83 |
| 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) | 0,312 0,333 |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 451 | | 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 | 0,50 |
| the lumen maintenance factor | 1,00 | | | |

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3120$ $y=0.3332$ $u'=0.1958$ $v'=0.4704$
 CCT=6513K (Duv=0.0057) Dominant WL: $L_d = 491.6nm$ WL: $L_c = --nm$ Purity=7.2%
 Ratio: R=13.4% G=81.1% B=5.5% ; Peak WL: $L_p = 451.0nm$ FWHM=20.7nm
 Render Index: $R_a = 83.7$

| | | | | | | |
|--------|--------|--------|--------|--------|--------|---------------|
| R1 =82 | R2 =87 | R3 =91 | R4 =84 | R5 =82 | R6 =82 | R7 =89 |
| R8 =72 | R9 =12 | R10=69 | R11=83 | R12=58 | R13=83 | R14=95 R15=77 |

Photo Parameters:

Flux = 647.8 lm Eff. : 134.13 lm/W Fe = 2.101 W

Electrical parameters:

V = 220.02 V I = 0.03966 A P = 4.830 W PF = 0.5536
 WHITE: ANSI_6500K

Status: Integral T = 44 ms Ip = 43619 (67%)

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

Number: 9617LEDP
 Date: 2020-04-15 10:10:17
 Humidity: 65.0%
 Remarks: 6406