

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: 99LED880WW

Type of light source:

| | | | |
|---|-------|---------------------------------|-----|
| Lighting technology used: | LED | Non-directional or directional: | DLS |
| Light source cap-type (or other electric interface) | GU5.3 | | |
| 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

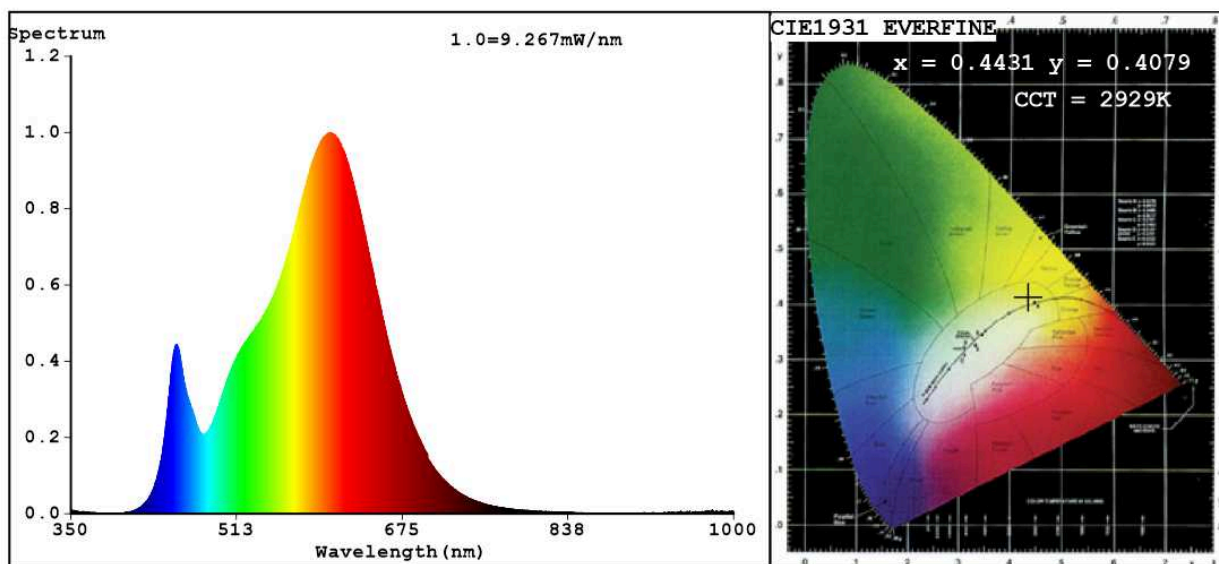
| Parameter | Value | Parameter | Value |
|--|-------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 6 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 450 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 | 2 700 |
| On-mode power (P_{on}), expressed in W | 1,0 | 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) | Yes | If yes, equivalent power (W) | 40 | |
| | | Chromaticity coordinates (x and y) | 0,443 0,407 | |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 604 | 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 | 8 | Survival factor | 0,50 | |
| the lumen maintenance factor | 0,93 | | | |

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4431$ $y=0.4079$ $u'=0.2529$ $v'=0.5238$

CCT=2929K(Duv=0.0007) Dominant WL:Ld =582.9nm Purity=55.4%

Ratio:R=23.4% G=73.9% B=2.7%; Peak WL:Lp=604.1nm FWHM=122.8nm

Render Index:Ra=83.0

| | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|
| R1 =82 | R2 =92 | R3 =95 | R4 =81 | R5 =82 | R6 =92 | R7 =82 |
| R8 =58 | R9 =8 | R10=83 | R11=81 | R12=75 | R13=84 | R14=98 |
| | | | | | | R15=74 |

Photo Parameters:

Flux = 444.1 lm Eff. : 72.92 lm/W Fe = 1.356 W

Electrical parameters:

V = 12.080 V I = 0.5041 A P = 6.090 W PF = 1.000

WHITE:ANSI_3000K

Status: Integral T = 54 ms Ip = 31603 (48%)

Model:LEDSMD 12V/6W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED880WW
Date:2018-09-04 08:28
Humidity:65.0%
Remarks:018V019B_4804