

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: 98AVENUE30SMD

Type of light source:

| | | | |
|---|----------------|---------------------------------|------|
| Lighting technology used: | LED | Non-directional or directional: | NDLS |
| 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

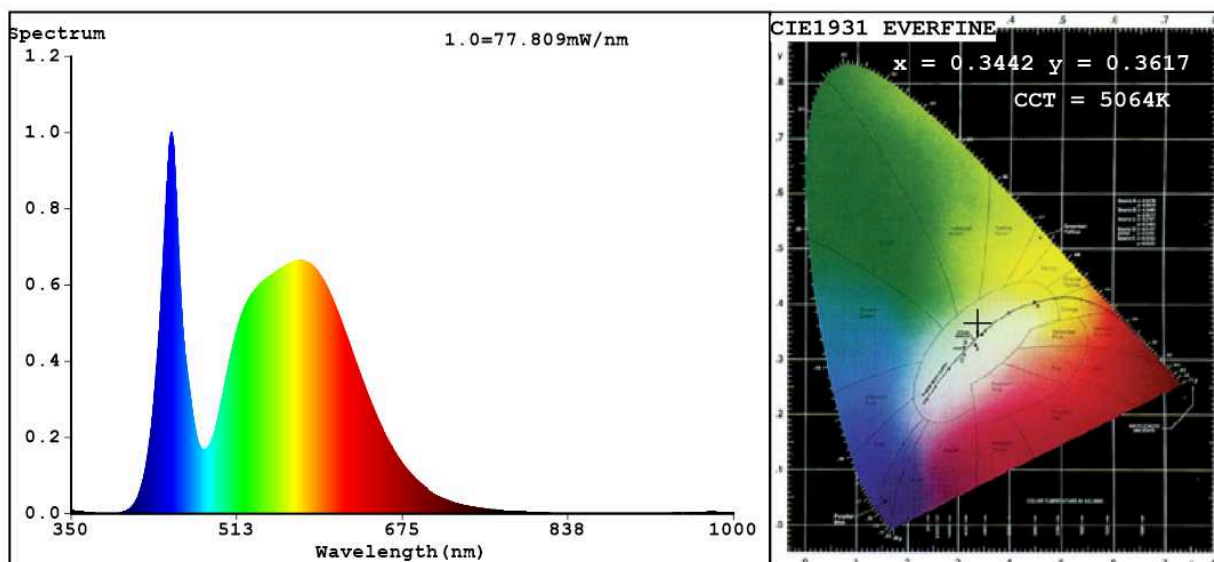
| Parameter | Value | Parameter | Value |
|--|------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 30 | Energy efficiency class | F |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 3 100 in Sphere (360°) | 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 | 5 000 |
| On-mode power (P_{on}), expressed in W | 31,2 | 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 | 75 |
| 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) | 0,344 0,361 | |
| 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) | 0,90 | Colour consistency in McAdam ellipses | 0 | |
| 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: $x=0.3442$ $y=0.3617$ $u'=0.2070$ $v'=0.4894$

CCT=5064K(Duv=0.0054) Dominant WL:Ld =567.3nm Purity=11.8%

Ratio:R=14.3% G=82.1% B=3.6%; Peak WL:Lp=448.6nm FWHM=22.4nm

Render Index:Ra=75.4

| | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|
| R1 =72 | R2 =80 | R3 =86 | R4 =76 | R5 =74 | R6 =74 | R7 =83 |
| R8 =59 | R9 =0 | R10=53 | R11=75 | R12=52 | R13=73 | R14=92 |
| | | | | | | R15=66 |

Photo Parameters:

Flux = 3177 lm Eff. : 101.80 lm/W Fe = 9.526 W

Electrical parameters:

V = 229.85 V I = 0.1375 A P = 31.20 W PF = 0.9876

WHITE:ANSI_5000K

Status: Integral T = 13 ms Ip = 47913 (73%)

Model:ÀVENUE SMD/30W
Tester:Petya Marinova
Temperature:25.3Deg
Manufacturer:ELMARK

Number:98AVENUE30SMD
Date:2019-02-20 11:02
Humidity:65.0%
Remarks:WN_m181114a_5441