

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: STELLAR

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 98TIVOLI150SMD

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: | Yes | | |
| Anti-glare shield: | No | Dimmable: | No |

Product parameters

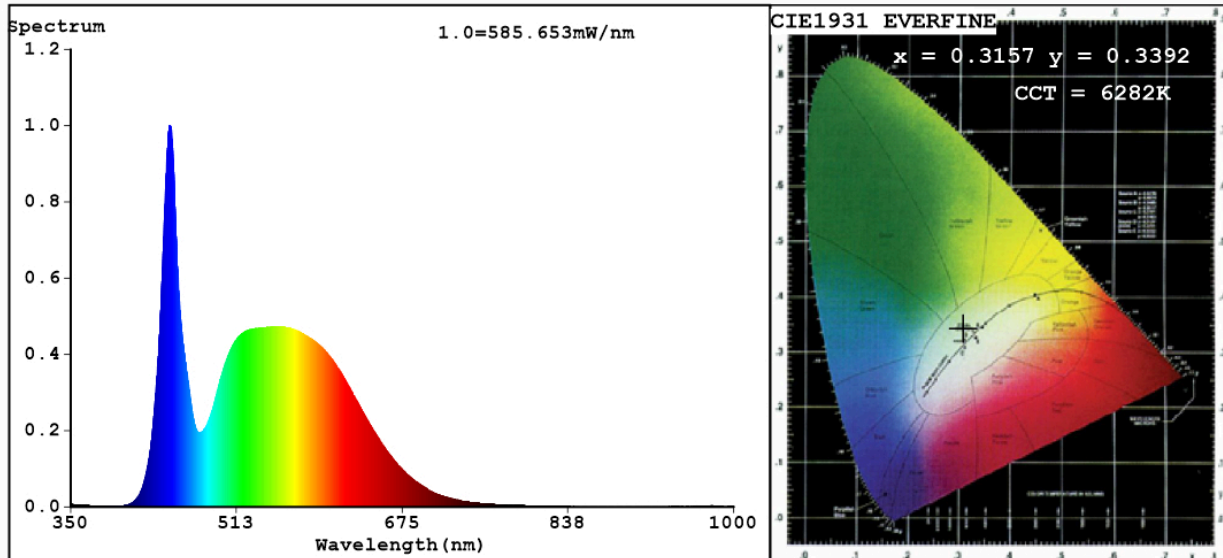
| Parameter | Value | Parameter | Value |
|--|-------------------------|--|------------------------|
| General product parameters: | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 150 | Energy efficiency class | E |
| Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 16 600 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 | 6 200 |
| On-mode power (P_{on}), expressed in W | 150,0 | 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 | 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) | 0,315 0,339 | |
| Parameters for directional light sources: | | | | |
| Peak luminous intensity (cd) | 6 968 | Beam angle in degrees, or the range of beam angles that can be set | 100 | |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 2 | Survival factor | 0,50 | |
| the lumen maintenance factor | 0,95 | | | |
| Parameters for LED and OLED mains light sources: | | | | |
| displacement factor (cos ϕ_1) | 0,90 | Colour consistency in McAdam ellipses | 4 | |
| 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) | 0,4 | Stroboscopic effect metric (SVM) | 0,2 | |

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3157$ $y=0.3392$ $u'=0.1961$ $v'=0.4741$
CCT=6282K (Duv=0.0068) Dominant WL: $\lambda_d = 496.0\text{nm}$ WL: $\lambda_c = \text{--nm}$ Purity=5.6%
Ratio: R=13.3% G=81.7% B=5.1%; Peak WL: $\lambda_p = 447.2\text{nm}$ FWHM=19.6nm
Render Index: Ra=81.5 AvgR=73.9 TM30: Rf=83 Rg=95 Lav=540.1nm

| | | | | | | |
|--------|--------|--------|--------|--------|--------|---------------|
| R1 =79 | R2 =84 | R3 =89 | R4 =83 | R5 =81 | R6 =80 | R7 =87 |
| R8 =69 | R9 =2 | R10=64 | R11=83 | R12=61 | R13=80 | R14=94 R15=73 |

Photo Parameters:

Flux = 17992 lm Eff. : 129.33 lm/W Fe = 57.32 W

Electrical parameters:

V = 229.93 V I = 0.6400 A P = 139.1 W PF = 0.9454

WHITE: ANSI_6500K

Status: Integral T = 2 ms Ip = 48220 (74%)

Model: LED STREET LITHG
Tester: Atanas DAKOV
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 98TIVOLI150SMD
Date: 2022-04-12 14:18:33
Humidity: 65.0%
Remarks: MOSTRA