# 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:** 93TLR503CW/WH

**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**

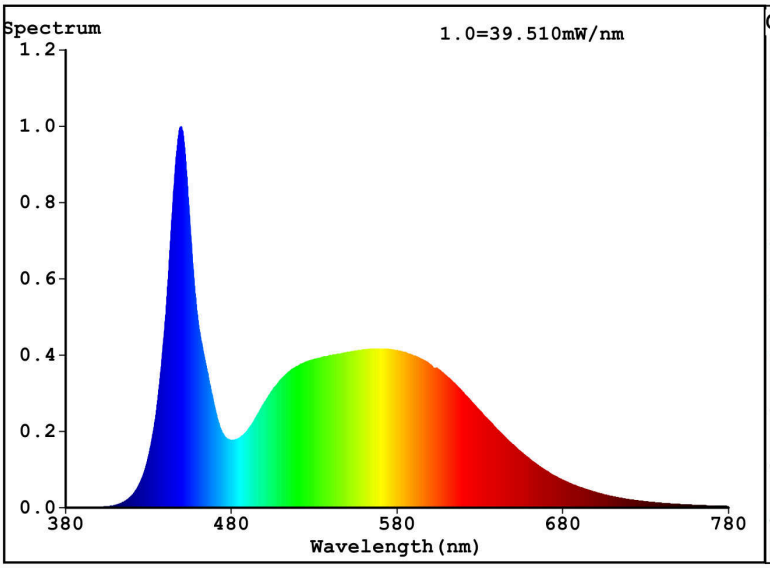
| Parameter | Value | Parameter | Value |
|---|---|---|---|
| **General product parameters:** | | | |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer | 10 | Energy efficiency class | F |
| Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) | 1 000 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 | 10,8 | 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 | 142 | Spectral power distribution in the | See image in last page |
| Outer dimensions without — Width | 142 | | |
| Outer dimensions without — Depth | 105 | | |

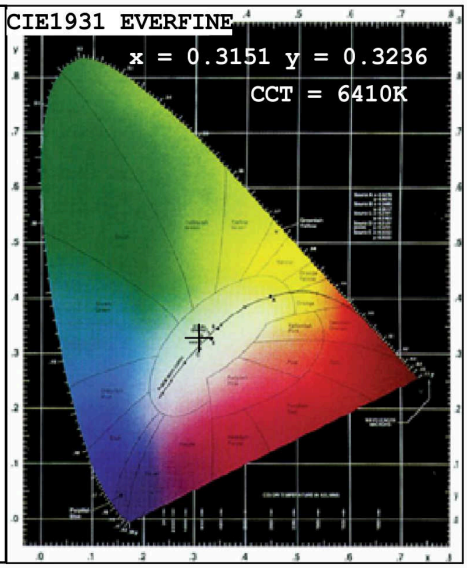
| | | | | |
|---|---|---|---|---|
| separate control gear, lighting control parts and non-lighting control parts, if any (millimetre) | | | range 250 nm to 800 nm, at full-load | |
| Claim of equivalent power[a] | | - | If yes, equivalent power (W) | - |
| | | | Chromaticity coordinates (x and y) | 0,315<br>0,323 |
| **Parameters for directional light sources:** | | | | |
| Peak luminous intensity (cd) | | 449 | Beam angle in degrees, or the range of beam angles that can be set | 24 |
| **Parameters for LED and OLED light sources:** | | | | |
| R9 colour rendering index value | | 13 | Survival factor | 0,50 |
| the lumen maintenance factor | | 0,93 | | |
| **Parameters for LED and OLED mains light sources:** | | | | |
| displacement factor (cos ϕ1) | | 0,48 | 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=0.3151 y=0.3236/u'=0.2016 v'=0.4658

CCT=6410K(Duv=-0.0008) Dominant WL:Ld =484.5nm Purity=6.9%

Ratio:R=13.9% G=80.9% B=5.2%¡¡Peak WL:Lp=449.9nm FWHM=19.6nm

Render Index:Ra=83.2

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =83 | R2 =87 | R3 =88 | R4 =85 | R5 =84 | R6 =81 | R7 =87 | |
| R8 =72 | R9 =13 | R10=67 | R11=84 | R12=58 | R13=84 | R14=93 | R15=79 |

## Photo Parameters:

Flux = 1065 lm Eff. : 97.93 lm/W Fe = 3.463 W

## Electrical parameters:

V = 230.06 V I = 0.09847 A P = 10.87 W PF = 0.4800

WHITE:ANSI_6500K

Status: Integral T = 27 ms Ip = 58941 (90%)

| | |
|---|---|
| Model:SKY TLR/10W | Number:93TLR503CW/WH |
| Tester:Petya Marinova | Date:2019-06-19 13:15 |
| Temperature:25.3Deg | Humidity:65.0% |
| Manufacturer:ELMARK | Remarks:O18V053A_5764 |