

# 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:** 93K302L48CCT/BL

## 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):   | Yes |
| Colour-tuneable light source:                       | Yes            | Envelope:                       | -   |
| High luminance light source:                        | Yes            |                                 |     |
| Anti-glare shield:                                  | No             | Dimmable:                       | No  |

## Product parameters

| Parameter  | Value                     | Parameter  | Value                              |
|--|---------------------------|--|------------------------------------|
| <b>General product parameters:</b>   |                           |  |                                    |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 48                        | Energy efficiency class  | F                                  |
| Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 3 840 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 | 3 000 or 4 000 or 5 700            |
| On-mode power ( $P_{on}$ ), expressed in W   | 30,5                      | 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  | 0,05                      | Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set   | 83                                 |
| Outer dimensions without   | Height                    | 1 122  | Spectral power distribution in the |
|  | Width                     | 72   |                                    |
|  | Depth                     | 42   |                                    |
|  |                           |  | See image in last page             |

|   |      |  |  |                |
|---|------|--|--|----------------|
| 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 <sup>(a)</sup>  | -    |  | If yes, equivalent power (W)                                       | -              |
|   |      |  | Chromaticity coordinates (x and y)                                 | 0,306<br>0,324 |
| <b>Parameters for directional light sources:</b>  |      |  |  |                |
| Peak luminous intensity (cd)  | 453  |  | Beam angle in degrees, or the range of beam angles that can be set | 30             |
| <b>Parameters for LED and OLED light sources:</b>   |      |  |  |                |
| R9 colour rendering index value   | 7    |  | Survival factor  | 0,90           |
| the lumen maintenance factor  | 1,00 |  |  |                |
| <b>Parameters for LED and OLED mains light sources:</b>   |      |  |  |                |
| displacement factor (cos $\phi$ 1)  | 0,50 |  | Colour consistency in McAdam ellipses                              | 1              |
| 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;

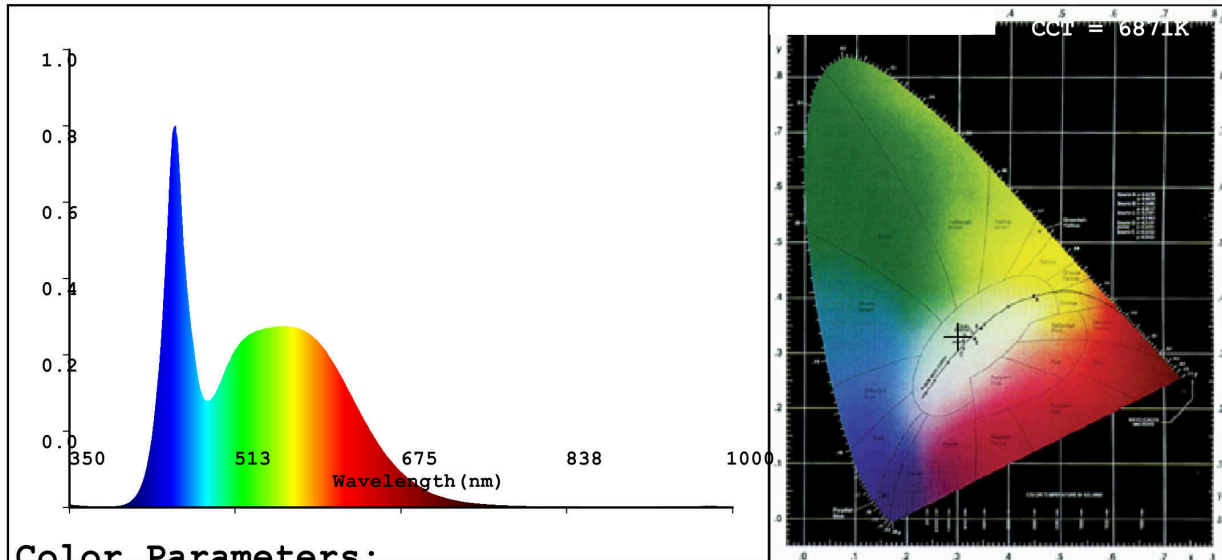
(b) : not applicable;

## Spectrum Test Report

Spectrum  
1.2

1.0=73.228mW/nm

CIE1931 EVERFINE



### Color Parameters:

Chromaticity Coordinate:  $x=0.3069$   $y=0.3248$  /  $u'=0.1953$   $v'=0.4652$   
 CCT=6871K (Duv=0.0040) Dominant WL:Ld =487.5nm WL:Lc = --nm Purity=9.6%  
 Ratio:R=13.0% G=80.8% B=6.1% ; Peak WL:Lp=453.7nm FWHM=26.3nm  
 Render Index:Ra=83.6 AvgR=76.4 TM30:Rf=83 Rg=93 Lav=535.9nm

R1 =82    R2 =89    R3 =92    R4 =82    R5 =82    R6 =84    R7 =88  
 R8 =70    R9 =7    R10=73    R11=81    R12=59    R13=84    R14=96    R15=77

### Photo Parameters:

Flux = 2269 lm    Eff. : 74.22 lm/W    Fe = 7.457 W

### Electrical parameters:

V = 225.21 V    I = 0.2348 A    P = 30.57 W PF = 0.5780

WHITE:ANSI\_6500K

Status: Integral T = 16 ms    Ip = 48414 (74%)

Model:LED FLOODLIGHT  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:93K302L48CCT/BL  
 Date:2021-06-30 13:40:41  
 Humidity:65.0%  
 Remarks:MOSTRA