

# 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:** 99SM36S4050/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

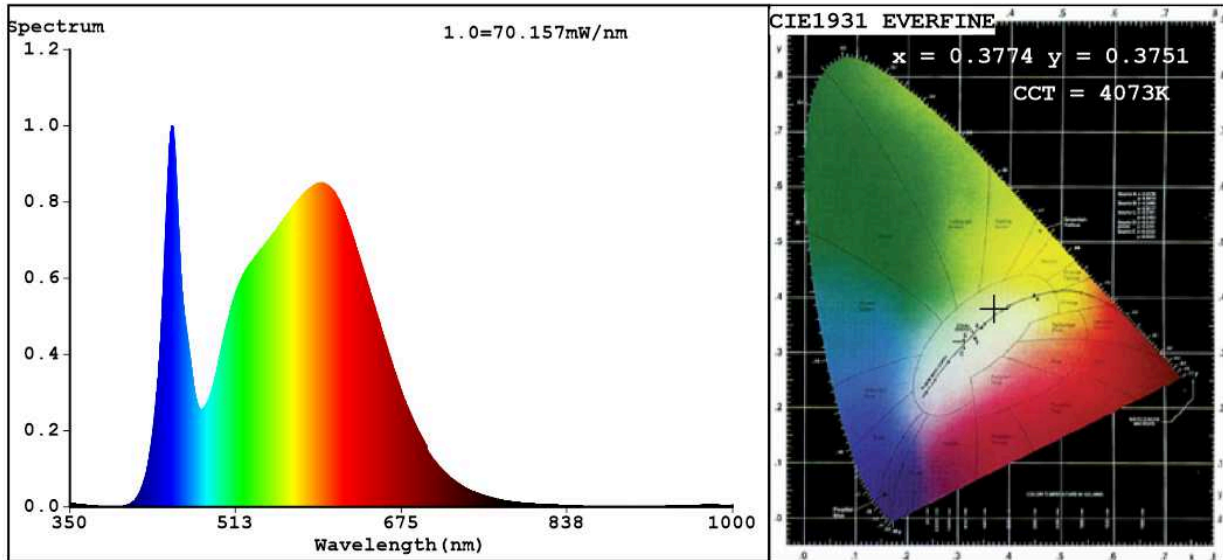
| Parameter  | Value                      | Parameter  | Value                              |
|--|----------------------------|--|------------------------------------|
| <b>General product parameters:</b>   |                            |  |                                    |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 50                         | Energy efficiency class  | G                                  |
| 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°) | 3 800 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 | 4 000                              |
| On-mode power ( $P_{on}$ ), expressed in W   | 48,0                       | 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   | 85                                 |
| Outer dimensions without   | Height                     | 1 500  | Spectral power distribution in the |
|  | Width                      | 65   |                                    |
|  | Depth                      | 36   |                                    |
|  |                            |  | 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)                                 | 0,377<br>0,375                       |  |
| <b>Parameters for directional light sources:</b>  |      |  |                                      |  |
| Peak luminous intensity (cd)  | 450  | Beam angle in degrees, or the range of beam angles that can be set | 90                                   |  |
| <b>Parameters for LED and OLED light sources:</b>   |      |  |                                      |  |
| R9 colour rendering index value   | 26   | Survival factor  | 0,50                                 |  |
| the lumen maintenance factor  | 0,90 |  |                                      |  |
| <b>Parameters for LED and OLED mains light sources:</b>   |      |  |                                      |  |
| displacement factor (cos $\phi_1$ )   | 0,70 | Colour consistency in McAdam ellipses                              | 5                                    |  |
| 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:  $x=0.3774$   $y=0.3751$  /  $u'=0.2238$   $v'=0.5004$   
 CCT=4073K (Duv=0.0001) Dominant WL:Ld =578.7nm WL:Lc = --nm Purity=25.8%  
 Ratio:R=18.4% G=77.9% B=3.6%; Peak WL:Lp=450.6nm FWHM=22.3nm  
 Render Index:Ra=85.4 AvgR=79.6 TM30:Rf=86 Rg=97 Lav=571.3nm

R1 =84 R2 =90 R3 =94 R4 =85 R5 =84 R6 =85 R7 =89  
 R8 =72 R9 =26 R10=75 R11=84 R12=64 R13=86 R14=96 R15=80

**Photo Parameters:**

Flux = 3580 lm Eff. : 73.69 lm/W Fe = 11.34 W

**Electrical parameters:**

V = 225.16 V I = 0.2880 A P = 48.58 W PF = 0.7491  
 WHITE:ANSI\_4000K

Status: Integral T = 18 ms Ip = 52845 (81%)

Model:LED INDOOR LIGHTING  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number: 99SM36S4050 BL  
 Date:2021-12-23 12:54:19  
 Humidity:65.0%  
 Remarks: