

# 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:** 92FLD1540/WHE

## 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

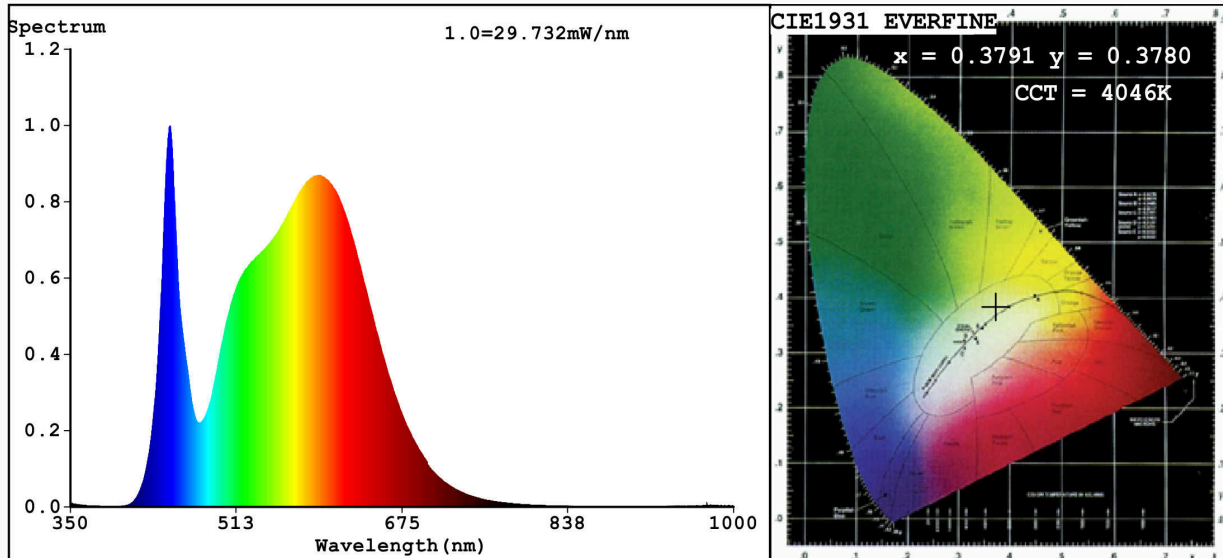
| Parameter  | Value                     | Parameter  | Value                  |
|--|---------------------------|--|------------------------|
| <b>General product parameters:</b>   |                           |  |                        |
| Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer  | 15                        | 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°) | 1 250 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 | 4 000                  |
| On-mode power ( $P_{on}$ ), expressed in W   | 16,5                      | 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  | -                         | Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set   | 83                     |
| 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 <sup>(a)</sup>  | -    | If yes, equivalent power (W)                                       | -                                    |  |
|   |      | Chromaticity coordinates (x and y)                                 | 0,379<br>0,378                       |  |
| <b>Parameters for directional light sources:</b>  |      |  |                                      |  |
| Peak luminous intensity (cd)  | 447  | Beam angle in degrees, or the range of beam angles that can be set | 100                                  |  |
| <b>Parameters for LED and OLED light sources:</b>   |      |  |                                      |  |
| R9 colour rendering index value   | 12   | Survival factor  | 0,50                                 |  |
| the lumen maintenance factor  | 0,93 |  |                                      |  |
| <b>Parameters for LED and OLED mains light sources:</b>   |      |  |                                      |  |
| displacement factor (cos $\phi_1$ )   | 0,30 | 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:  $x=0.3791$   $y=0.3780$   $u'=0.2237$   $v'=0.5019$   
CCT=4046K (Duv=0.0010) Dominant WL:Ld =578.4nm WL:Lc = --nm Purity=27.2%  
Ratio:R=18.2% G=78.4% B=3.4%; Peak WL:Lp=447.9nm FWHM=20.5nm  
Render Index:Ra=83.4 AvgR=77.0 TM30:Rf=84 Rg=97 Lav=569.0nm

R1 =82 R2 =88 R3 =93 R4 =84 R5 =82 R6 =84 R7 =87  
R8 =67 R9 =12 R10=72 R11=84 R12=65 R13=83 R14=96 R15=76

### Photo Parameters:

Flux = 1521 lm Eff. : 91.74 lm/W Fe = 4.656 W

### Electrical parameters:

V = 225.17 V I = 0.2205 A P = 16.58 W PF = 0.3339

WHITE:ANSI\_4000K

Status: Integral T = 38 ms Ip = 48525 (74%)

Model:LED BUIKHEAD LAMP  
Tester:Atanas DAKOV  
Temperature:25.3Deg  
Manufacturer:ELMARK

Number:95BLN1540 WH  
Date:2021-08-18 09:39:10  
Humidity:65.0%  
Remarks:7808