

# 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:** 92LED222WW

## 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

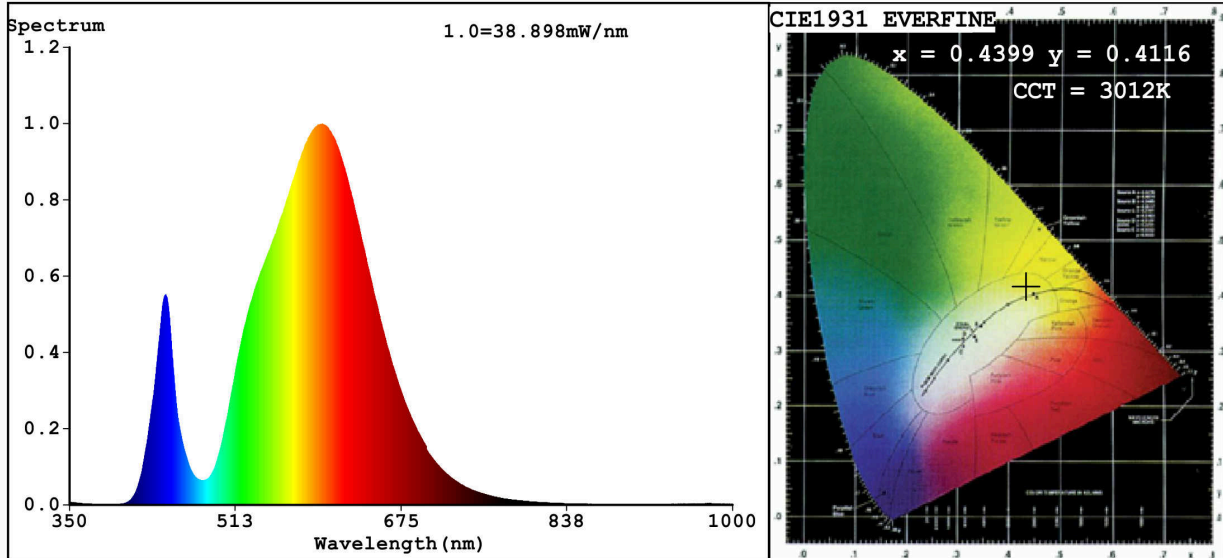
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 900 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	20,7	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	72
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)	0,439 0,411	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	597	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	0	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:  $x=0.4399$   $y=0.4116$  /  $u'=0.2492$   $v'=0.5247$   
 CCT=3012K (Duv=0.0026) Dominant WL:  $L_d = 581.9\text{nm}$  WL:  $L_c = \text{--nm}$  Purity=55.6%  
 Ratio: R=21.3% G=77.4% B=1.3% ; Peak WL:  $L_p = 597.8\text{nm}$  FWHM=129.1nm  
 Render Index:  $R_a = 72.4$  AvgR=64.6 TM30:  $R_f = 74$   $R_g = 96$   $L_{av} = 588.0\text{nm}$

R1 =70    R2 =79    R3 =88    R4 =71    R5 =68    R6 =71    R7 =81  
 R8 =51    R9 =0    R10=52    R11=66    R12=44    R13=71    R14=93    R15=63

**Photo Parameters:**

Flux = 1963 lm    Eff. : 94.59 lm/W     $F_e = 5.715$  W

**Electrical parameters:**

V = 225.17 V    I = 0.2525 A    P = 20.75 W PF = 0.3650

WHITE:ANSI\_3000K

Status: Integral T = 34 ms     $I_p = 51333$  (78%)

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

Number:92LED222WW  
 Date:2021-11-12 11:01:41  
 Humidity:65.0%  
 Remarks: