

# 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:** 99LED828WW

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E14		
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

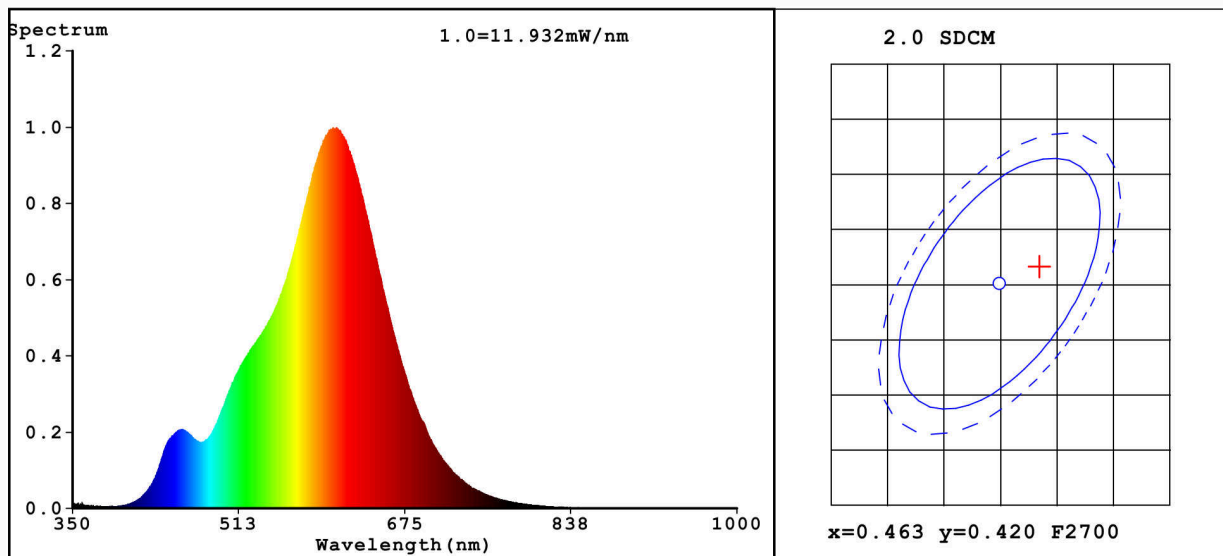
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	550 in Sphere (360°)	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	2 700
On-mode power ( $P_{on}$ ), expressed in W	5,0	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	84
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>	Yes	If yes, equivalent power (W)	50	
		Chromaticity coordinates (x and y)	0,462 0,414	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	14	Survival factor	0,70	
the lumen maintenance factor	0,30			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	5	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes <sup>(b)</sup>	If yes then replacement claim (W)	5	
Flicker metric (Pst LM)	0,7	Stroboscopic effect metric (SVM)	0,3	

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



## Color Parameters:

Chromaticity Coordinate:  $x=0.4665$   $y=0.4216$   $u'=0.2619$   $v'=0.5324$   
CCT=2693K (Duv=0.0034) Dominant WL:Ld =583.2nm WL:Lc = --nm Purity=66.6%  
Ratio:R=25.0% G=72.8% B=2.2% Peak WL:Lp=608.2nm FWHM=116.7nm  
Render Index:Ra=82.7 AvgR=77.4

R1 =81 R2 =91 R3 =96 R4 =81 R5 =81 R6 =91 R7 =83  
R8 =58 R9 =7 R10=81 R11=81 R12=78 R13=83 R14=98 R15=72

## Photo Parameters:

Flux = 544.4 lm Eff. : 108.57 lm/W Fe = 1.690 W  
Scotopic:654.68 S/P:1.2025

## Electrical parameters:

V = 230.01 V I = 0.03928 A P = 5.014 W PF = 0.5551

Status: Integral T = 383 ms Ip = 46420 (71%)

Model:G45 5W E14  
Tester:  
Temperature:25.3Deg  
Manufacturer:

Number:2  
Date:2021-06-17 12:32:36  
Humidity:65.0%  
Remarks: