

# 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:** 99LED982WW

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

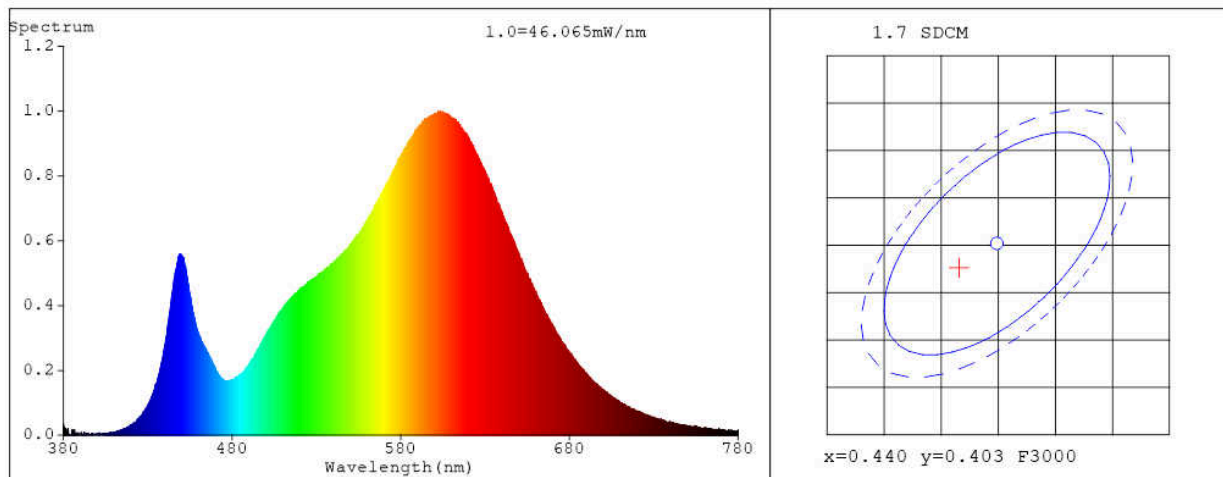
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 204 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
On-mode power ( $P_{on}$ ), expressed in W	15,6	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,20
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	0,00	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	82
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)	0,436 0,404	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	4	Survival factor	0,90	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.4366$   $y=0.4004$   $u'=0.2519$   $v'=0.5199$

CCT=2975K (Duv=-0.0014) Dominant WL:Ld =583.4nm Purity=51.2%

Ratio: R=23.1% G=74.5% B=2.5% Peak WL:Lp=603.5nm FWHM=123.0nm

Render Index: Ra=82.0

R1 =80 R2 =91 R3 =96 R4 =80 R5 =81 R6 =89 R7 =82

R8 =57 R9 =4 R10=79 R11=80 R12=73 R13=83 R14=98 R15=73

### Photo Parameters:

Flux = 2204 lm Eff. : 140.85 lm/W Fe = 6.669 W

Photosynthetic: PPF:31.207umol/m<sup>2</sup>/s PAR WATT:6482.2mW/m<sup>2</sup> (400-700nm)

### Electrical parameters:

V = 24.000 V I = 0.6520 A P = 15.65 W PF = 1.000

LEVEL:OUT WHITE:ANSI\_3000K

Status: Integral T = 298 ms Ip = 51248 (78%)

Model:99LED982WW  
Tester:  
Temperature:25.3Deg  
Manufacturer:

Number:99LED982WW  
Date:2021-09-07  
Humidity:65.0%  
Remarks:1M