

# 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:** 96GRFLED308/4GR

**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

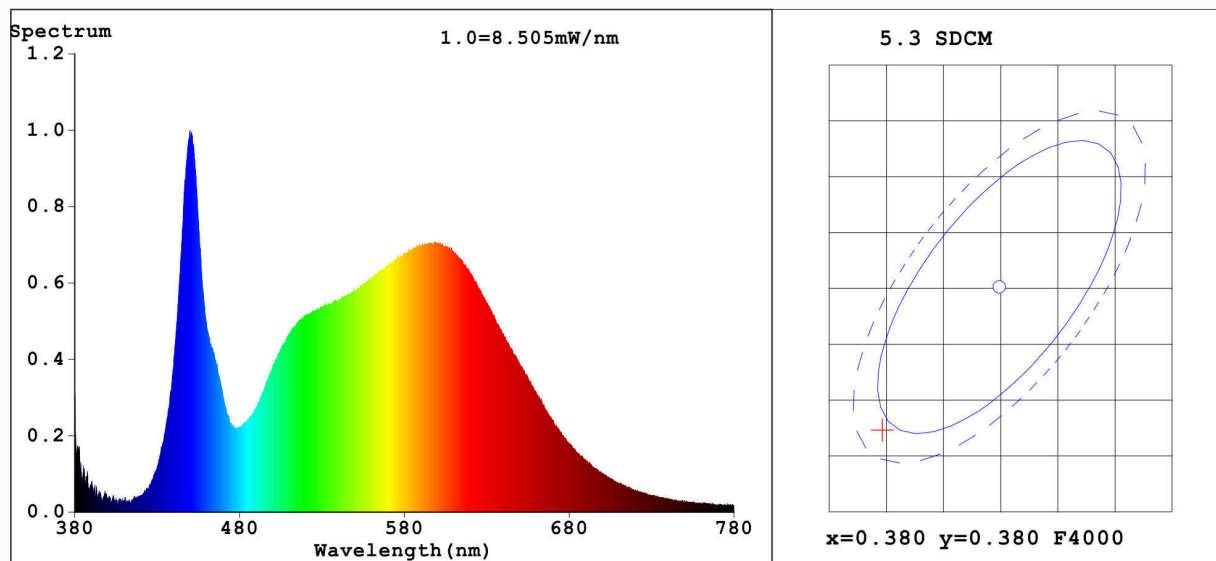
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	307 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	3,8	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	86
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)	0,369 0,367	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	449	Beam angle in degrees, or the range of beam angles that can be set	120	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	23	Survival factor	0,90	
the lumen maintenance factor	0,94			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	6	
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)	1,0	Stroboscopic effect metric (SVM)	4,0	

(a) - : not applicable;

(b) - : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3697$   $y=0.3671$   $u'=0.2218$   $v'=0.4957$

CCT=4241K (Duv=-0.0013) Dominant WL:Ld =579.0nm Purity=21.1%

Ratio:R=18.2% G=77.9% B=3.9% Peak WL:Lp=449.9nm FWHM=17.8nm

Render Index:Ra=86.0

R1 =85 R2 =91 R3 =95 R4 =86 R5 =85 R6 =87 R7 =88

R8 =71 R9 =23 R10=78 R11=86 R12=65 R13=87 R14=97 R15=80

### Photo Parameters:

Flux = 307.0 lm Eff. : 81.02 lm/W  $F_e = 1.017$  W

### Electrical parameters:

V = 230.41 V I = 0.03302 A P = 3.789 W PF = 0.4981

LEVEL:OUT WHITE:ANSI\_4000K

Status: Integral T = 1591 ms  $I_p = 31992$  (49%)

Model: 96GRFLED308/4BL

Tester:

Temperature: 25.3Deg

Manufacturer: FLD

Number: 1

Date: 2021-07-22

Humidity: 65.0%

Remarks: