

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: 96GRFLED01/1GR

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

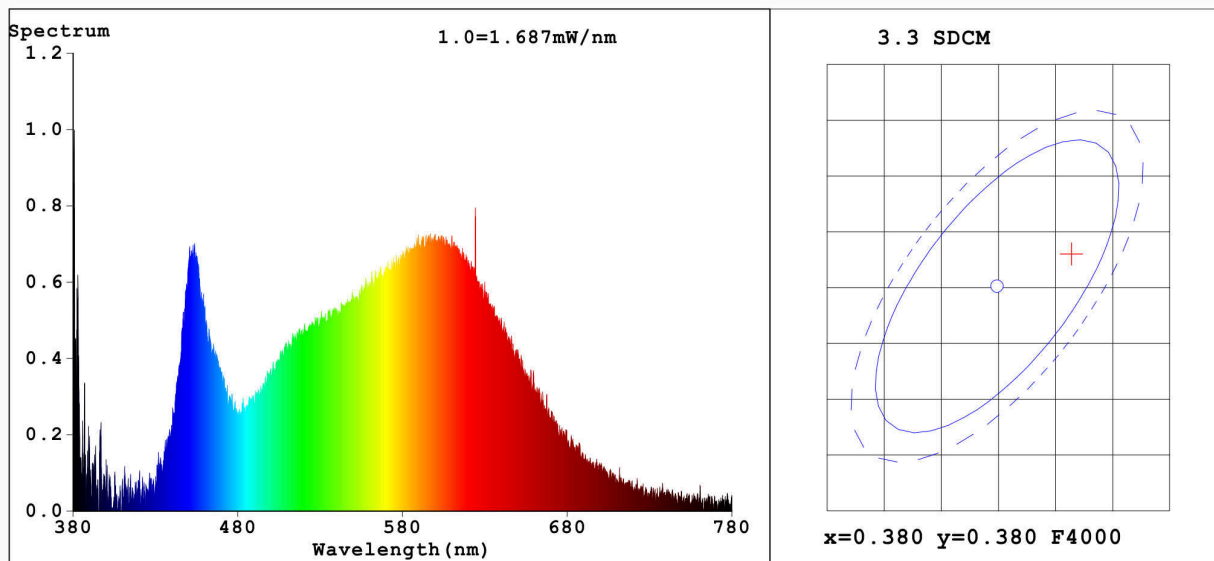
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	40 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	4 000
On-mode power (P_{on}), expressed in W	1,2	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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,386 0,382	
Parameters for directional light sources:				
Peak luminous intensity (cd)	380	Beam angle in degrees, or the range of beam angles that can be set	30	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	24	Survival factor	0,90	
the lumen maintenance factor	0,94			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,30	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)	0,2	

(a) - : not applicable;

(b) - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3865$ $y=0.3829$ $u'=0.2266$ $v'=0.5052$

CCT=3885K (Duv=0.0011) Dominant WL: $\lambda_d = 578.9\text{nm}$ Purity=30.9%

Ratio: R=19.3% G=76.8% B=4.0% Peak WL: $\lambda_p = 380.8\text{nm}$ FWHM=154.4nm

Render Index: $R_a = 86.8$

R1 = 86 R2 = 93 R3 = 97 R4 = 85 R5 = 86 R6 = 91 R7 = 87

R8 = 69 R9 = 24 R10 = 84 R11 = 85 R12 = 69 R13 = 88 R14 = 99 R15 = 80

Photo Parameters:

Flux = 30.90 lm Eff. : 25.12 lm/W $\Phi_e = 100.1\text{ mW}$

Electrical parameters:

V = 230.46 V I = 0.01236 A P = 1.230 W PF = 0.4319

LEVEL:OUT WHITE:OUT

Status: Integral T = 1830 ms $I_p = 7179$ (11%)

Model: 96GRFLED01/1BL

Tester:

Temperature: 25.3Deg

Manufacturer: FLD

Number: 2

Date: 2021-05-08

Humidity: 65.0%

Remarks: