

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: 96GRFLED300/6GR

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:	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

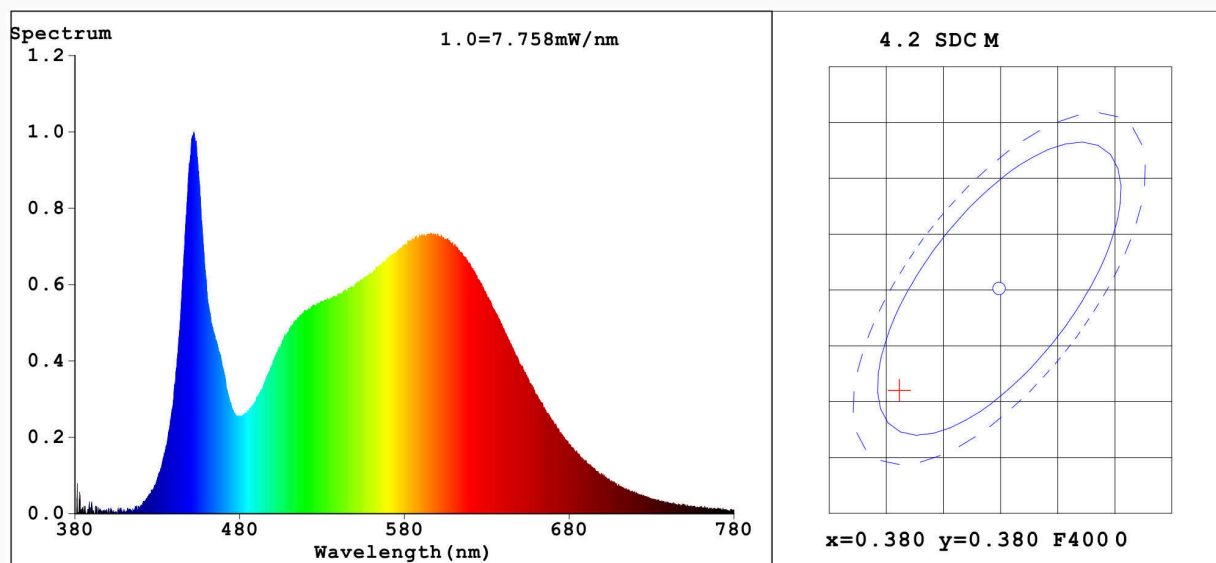
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	337 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	4 000
On-mode power (P_{on}), expressed in W	6,0	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	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)	0,371 0,370	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	23	Survival factor	0,90	
the lumen maintenance factor	0,94			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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)	0,1	Stroboscopic effect metric (SVM)	0,4	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3712$ $y=0.3708$ $u'=0.2214$ $v'=0.4976$

CCT=4220K (Duv=0.0000) Dominant WL: $\lambda_d = 578.2\text{nm}$ Purity=22.7 %

Ratio: R=18.2% G=77.8% B=4.1% Peak WL: $\lambda_p = 452.2\text{nm}$ FWHM=19.3nm

Render Index: $R_a = 86.2$

R1 = 85 R2 = 92 R3 = 96 R4 = 85 R5 = 85 R6 = 88 R7 = 88

R8 = 70 R9 = 23 R10 = 81 R11 = 85 R12 = 64 R13 = 87 R14 = 98 R15 = 80

Photo Parameters:

Flux = 337.7 lm Eff. : 56.17 lm/W $\eta_e = 1.049$ W

Electrical parameters:

V = 230.41 V I = 0.05191 A P = 6.012 W PF = 0.502 6

LEVEL: OUT WHITE: ANSI_4000 K

Status: Integral T = 2000 ms $I_p = 35742$ (55%)

Model: 96GRFLED300/6BL

Tester:

Temperature: 25.3Deg

Manufacturer: FLD

Number: 3

Date: 2020-05-15

Humidity: 65.0%

Remarks: