

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: 96GRFLED302/6BL

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

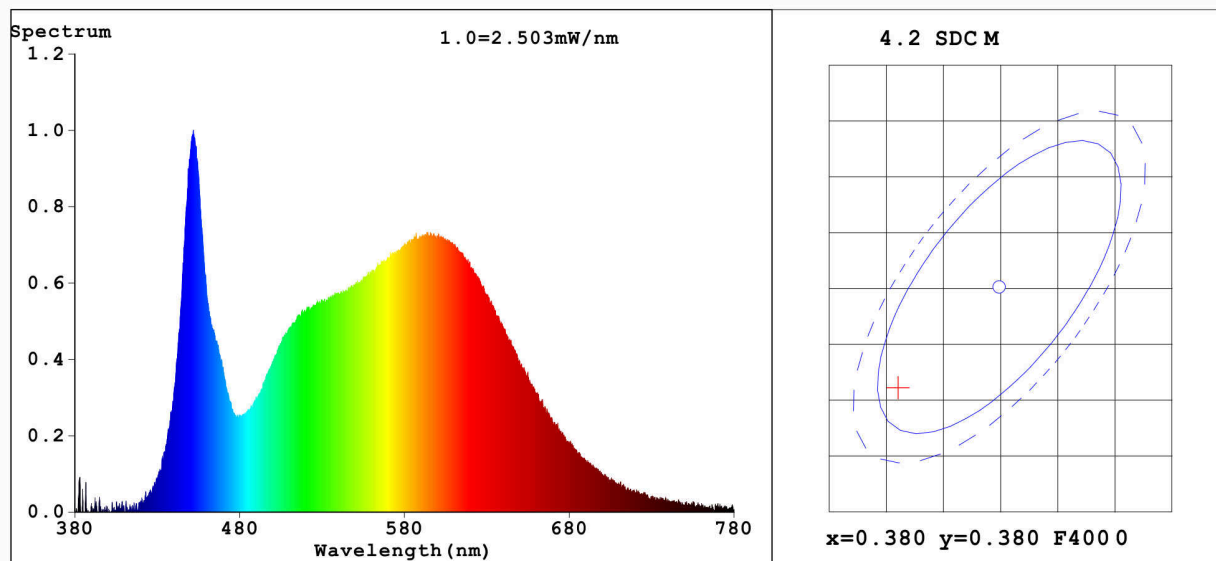
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	109 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	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 directional light sources:				
Peak luminous intensity (cd)	452	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	22	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)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a) - : not applicable;

(b) - : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3711$ $y=0.3709$ $u'=0.2212$ $v'=0.4976$

CCT=4224K (Duv=0.0001) Dominant WL: $\lambda_d = 578.1\text{nm}$ Purity=22.7 %

Ratio: R=18.1% G=77.8% B=4.1% Peak WL: $\lambda_p = 452.0\text{nm}$ FWHM=18.9nm

Render Index: $R_a = 86.2$

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

R8 =70 R9 =22 R10=80 R11=85 R12=64 R13=87 R14=98 R15=80

Photo Parameters:

Flux = 108.3 lm Eff. : 18.02 lm/W $\Phi_e = 336.4\text{ mW}$

Electrical parameters:

V = 230.42 V I = 0.05189 A P = 6.011 W PF = 0.502 8

LEVEL:OUT WHITE:ANSI_4000 K

Status: Integral T = 4441 ms $I_p = 25549$ (39%)

Model: 96GRFLED302/6BL

Tester:

Temperature: 25.3Deg

Manufacturer: FLD

Number: 2

Date: 2020-05-15

Humidity: 65.0%

Remarks: