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: 96GRFLED309/4BL

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

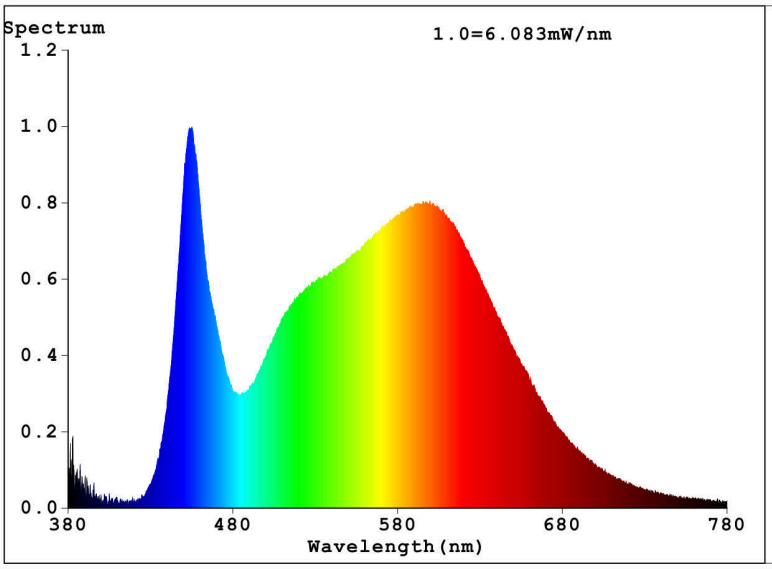
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	4	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	300 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	85
Outer dimensions without — Height	125	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	125		
Outer dimensions without — Depth	27		

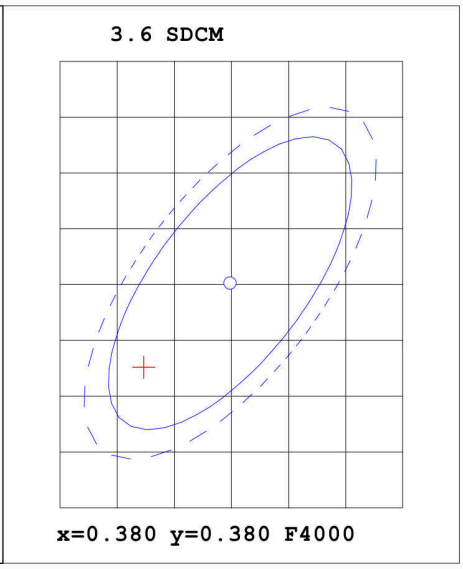
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,372 0,372
Parameters for directional light sources:				
Peak luminous intensity (cd)		455	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		18	Survival factor	0,90
the lumen maintenance factor		0,94		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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=0.3724 y=0.3724/u'=0.2215 v'=0.4985

CCT=4197K(Duv=0.0004) Dominant WL:Ld =578.0nm Purity=23.5%

Ratio:R=18.1% G=77.7% B=4.2% Peak WL:Lp=455.1nm FWHM=24.2nm

Render Index:Ra=85.2

R1 =84	R2 =93	R3 =96	R4 =82	R5 =84	R6 =88	R7 =86	
R8 =68	R9 =18	R10=81	R11=82	R12=61	R13=87	R14=98	R15=79

Photo Parameters:

Flux = 276.6 lm Eff. : 71.63 lm/W Fe = 866.4 mW

Electrical parameters:

V = 230.39 V I = 0.03288 A P = 3.853 W PF = 0.5095

LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 1968 ms Ip = 31971 (49%)

Model:96GRFLED309/4BL	Number:1
Tester:	Date:2021-08-10
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:FLD	Remarks: