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: 96GRFLED01/1BL

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

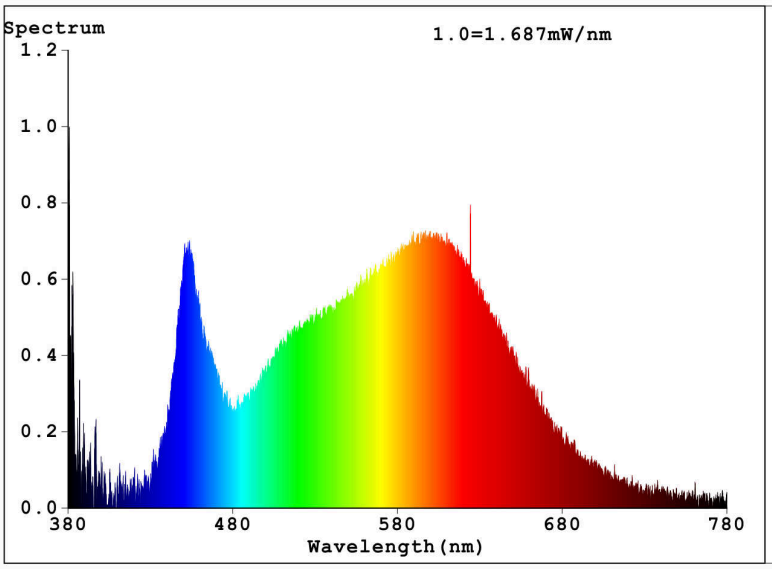
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	200	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	80		
Outer dimensions without — Depth	27		

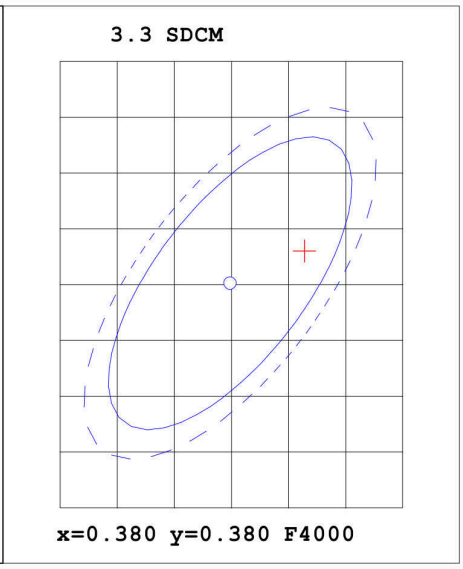
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,386 0,382
Parameters for directional light sources:				
Peak 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 ϕ1)		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:Ld =578.9nm Purity=30.9%

Ratio:R=19.3% G=76.8% B=4.0% Peak WL:Lp=380.8nm FWHM=154.4nm

Render Index:Ra=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 Fe = 100.1 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 Ip = 7179 (11%)

Model:96GRFLED01/1BL	Number:2
Tester:	Date:2021-05-08
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:FLD	Remarks: