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: 96GRFLED010

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

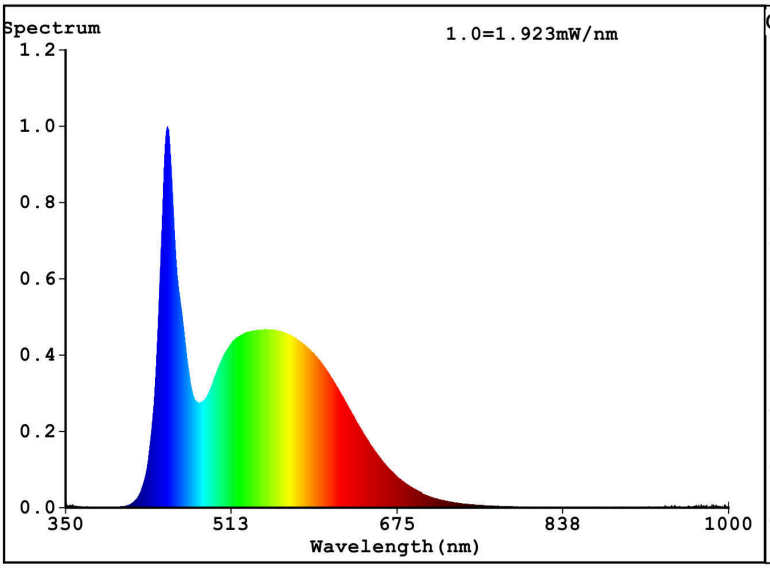
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	2	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	58 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	6 000
On-mode power (P_{on}), expressed in W	1,7	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	81
Outer dimensions without — Height	105	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	105		
Outer dimensions without — Depth	57		

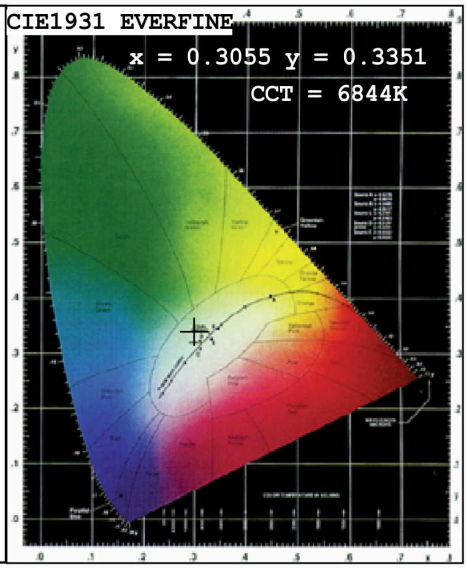
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,305 0,335
Parameters for directional light sources:				
Peak luminous intensity (cd)		449	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		0	Survival factor	0,50
the lumen maintenance factor		0,93		
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)	0,4

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report





Color Parameters:

Chromaticity Coordinate:x=0.3055 y=0.3351/u'=0.1906 v'=0.4705

CCT=6844K(Duv=0.0099) Dominant WL:Ld =492.5nm Purity=9.3%

Ratio:R=12.4% G=81.6% B=6.0%¡¡Peak WL:Lp=449.9nm FWHM=23.2nm

Render Index:Ra=81.7

R1 =78	R2 =87	R3 =93	R4 =80	R5 =79	R6 =82	R7 =88	
R8 =66	R9 =0	R10=69	R11=79	R12=57	R13=80	R14=96	R15=72

Photo Parameters:

Flux = 58.01 lm Eff. : 33.23 lm/W Fe = 185.4 mW

Electrical parameters:

V = 229.94 V I = 0.02024 A P = 1.746 W PF = 0.3752

WHITE:OUT

Status: Integral T = 534 ms Ip = 44674 (68%)

Model:GRF LED010/2W	Number:96GRFLED010
Tester:Petya Marinova	Date:2017-11-13 11:46
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O17V038B_4096