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: 96GRFLED02/GR

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	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)	160 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	2,6	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	84
Outer dimensions without — Height	230	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	80		
Outer dimensions without — Depth	16		

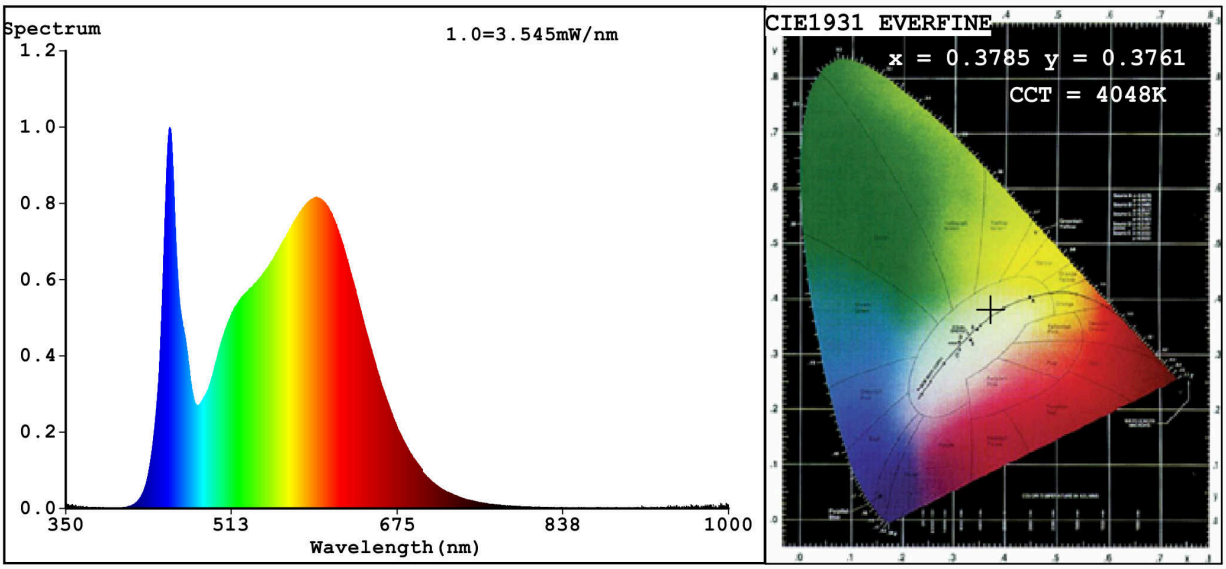
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,378 0,376
Parameters for directional light sources:				
Peak 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		13	Survival factor	0,00
the lumen maintenance factor		0,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	0
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)		0,0	Stroboscopic effect metric (SVM)	0,0

[a] '-' : not applicable;

[b] '-' : not applicable;

EVERFINE HAAS-1200 Test Report

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3785 y=0.3761/u'=0.2240 v'=0.5010

CCT=4048K(Duv=0.0003) Dominant WL:Ld =578.7nm WL:Lc = --nm Purity=26.5%

Ratio:R=18.4% G=77.7% B=4.0%¡¡Peak WL:Lp=452.0nm FWHM=19.8nm

Render Index:Ra=84.5

R1 =83	R2 =92	R3 =96	R4 =83	R5 =83	R6 =88	R7 =86
R8 =65	R9 =13	R10=80	R11=82	R12=63	R13=86	R14=98 R15=77

Photo Parameters:

Flux = 166.3 lm Eff. : 62.36 lm/W Fe = 508.3 mW

Electrical parameters:

V = 220.04 V I = 0.02199 A P = 2.666 W PF = 0.5510

WHITE:ANSI_4000K

Status: Integral T = 280 ms Ip = 31855 (49%)

Model:LED GARDEN LIGHTING	Number:96GRFLED02
Tester:Atanas DAKOV	Date:2020-01-22 16:37:32
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6356