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: 96GRFLED05/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

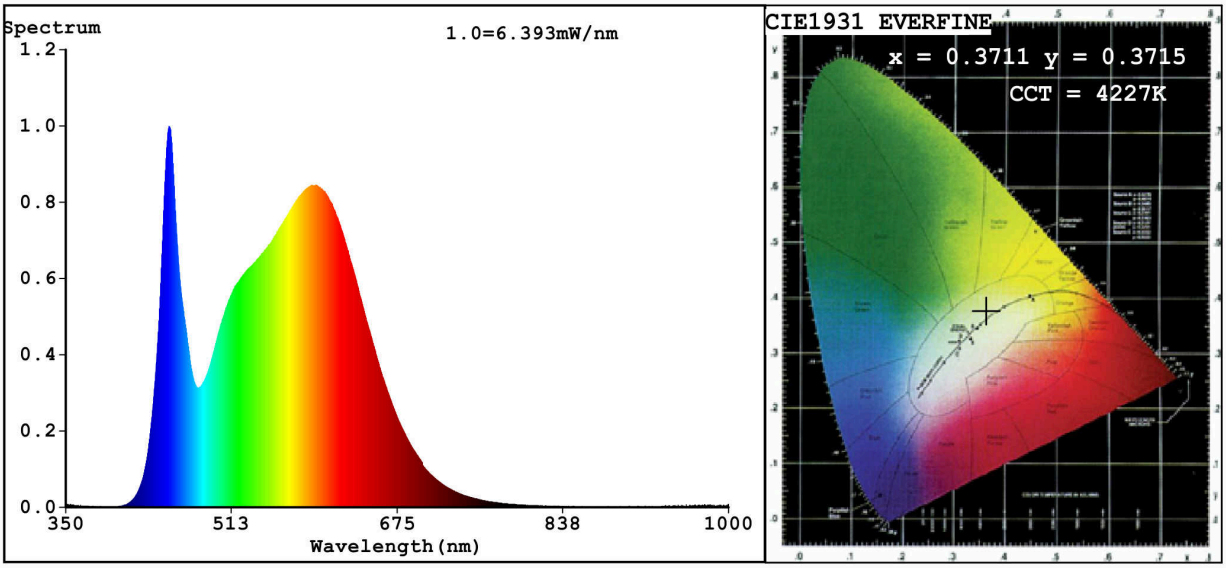
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	450 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	5,5	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	220	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	113		
Outer dimensions without — Depth	28		

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)	0,375 0,374
Parameters for directional light sources:				
Peak luminous intensity (cd)		451	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		21	Survival factor	0,50
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	Colour consistency in McAdam ellipses	5
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;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3711 y=0.3715/u'=0.2211 v'=0.4978

CCT=4227K(Duv=0.0003) Dominant WL:Ld =577.9nm WL:Lc = --nm Purity=22.8%

Ratio:R=17.9% G=77.9% B=4.2%¡¡Peak WL:Lp=451.3nm FWHM=24.6nm

Render Index:Ra=85.2

R1 =84	R2 =91	R3 =96	R4 =84	R5 =84	R6 =88	R7 =87	
R8 =68	R9 =17	R10=79	R11=83	R12=65	R13=86	R14=98	R15=78

Photo Parameters:

Flux = 319.6 lm Eff. : 61.59 lm/W Fe = 993.1 mW

Electrical parameters:

V = 220.05 V I = 0.04554 A P = 5.189 W PF = 0.5178

WHITE:ANSI_4000K

Status: Integral T = 185 ms Ip = 43303 (66%)

Model:LED GARDEN LIGHTING	Number:96GRFLED05
Tester:Atanas DAKOV	Date:2020-10-15 14:05:59
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7042