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: 96LEDP50778

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

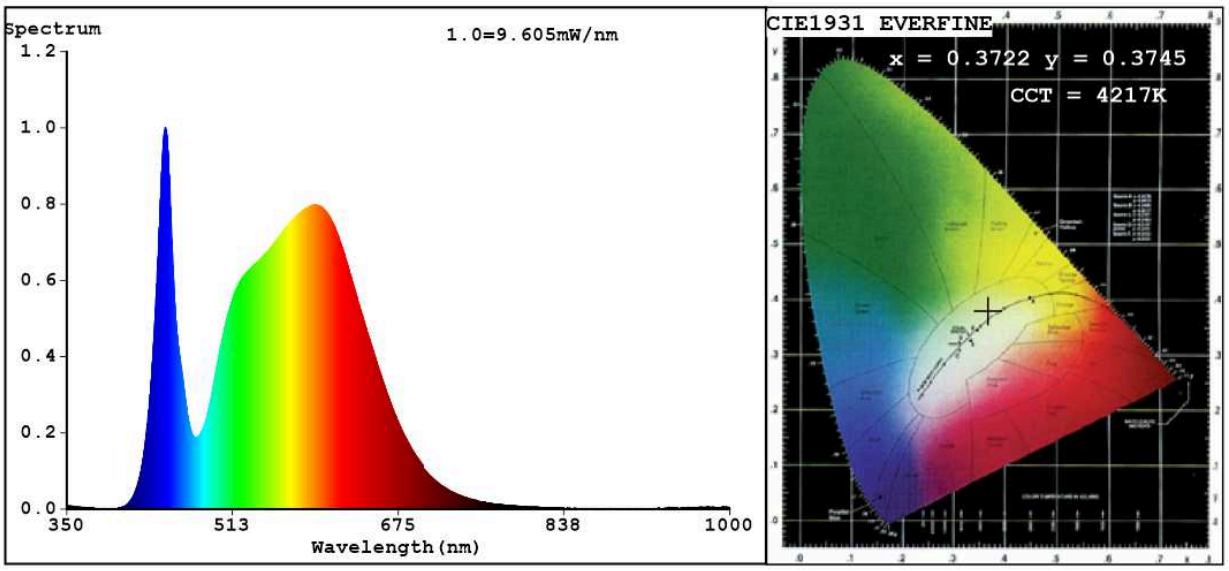
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	600 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	10,2	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	82
Outer dimensions without — Height	780	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	82		
Outer dimensions without — Depth	160		

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 0,374
Parameters for directional light sources:			
Peak luminous intensity (cd)	446	Beam angle in degrees, or the range of beam angles that can be set	60
Parameters for LED and OLED light sources:			
R9 colour rendering index value	9	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	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;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3722 y=0.3745/u'=0.2206 v'=0.4994

CCT=4217K(Duv=0.0015) Dominant WL:Ld =577.3nm WL:Lc = --nm Purity=24.1%

Ratio:R=17.5% G=79.2% B=3.3%¡¡Peak WL:Lp=446.5nm FWHM=20.4nm

Render Index:Ra=82.0

R1 =81	R2 =86	R3 =91	R4 =83	R5 =81	R6 =81	R7 =87	
R8 =67	R9 =9	R10=67	R11=83	R12=62	R13=81	R14=95	R15=75

Photo Parameters:

Flux = 461.2 lm Eff. : 45.02 lm/W Fe = 1.414 W

Electrical parameters:

V = 229.97 V I = 0.08189 A P = 10.24 W PF = 0.5439

WHITE:ANSI_4000K

Status: Integral T = 72 ms Ip = 32447 (50%)

Model:GRF507 LED/10W	Number:96LEDP50778
Tester:Petya Marinova	Date:2019-10-02 13:58:02
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:ELM-1901_6000