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: 96LEDP20678WW

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

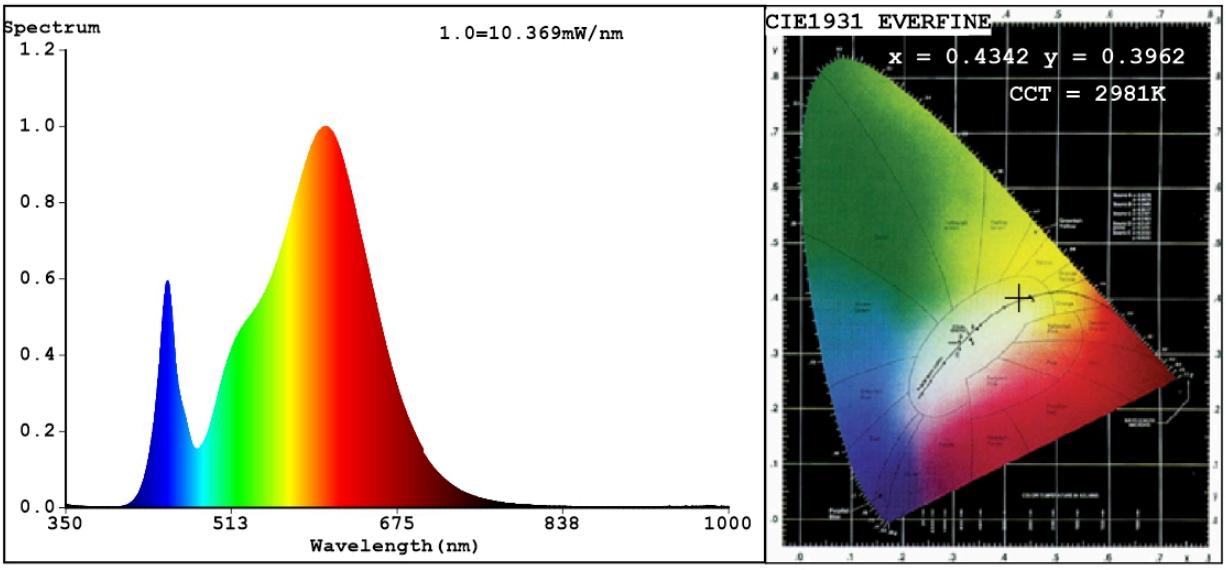
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	500 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	3 000
On-mode power (P_{on}), expressed in W	10,0	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	154		
Outer dimensions without — Depth	110		

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)	0,434 0,396
Parameters for directional light sources:				
Peak luminous intensity (cd)		604	Beam angle in degrees, or the range of beam angles that can be set	90
Parameters for LED and OLED light sources:				
R9 colour rendering index value		9	Survival factor	0,50
the lumen maintenance factor		0,92		
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)		0,6	Stroboscopic effect metric (SVM)	0,2

[a] '-' : not applicable;

[b] '-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4342 y=0.3962/u'=0.2522 v'=0.5178

CCT=2981K(Duv=-0.0028) Dominant WL:Ld =584.0nm Purity=49.2%

Ratio:R=23.3% G=74.3% B=2.4%¡¡Peak WL:Lp=604.1nm FWHM=126.8nm

Render Index:Ra=82.9

R1 =82	R2 =91	R3 =96	R4 =81	R5 =82	R6 =89	R7 =82	
R8 =60	R9 =9	R10=79	R11=81	R12=73	R13=84	R14=98	R15=75

Photo Parameters:

Flux = 499.2 lm Eff. : 49.78 lm/W Fe = 1.541 W

Electrical parameters:

V = 229.91 V I = 0.08104 A P = 10.03 W PF = 0.5382

WHITE:ANSI_3000K

Status: Integral T = 60 ms Ip = 39291 (60%)

Model:GRF206 LED/10W	Number:96LEDP20678WW
Tester:Petya Marinova	Date:2018-11-29 16:25
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:PII1806005_5013