

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: 96LEDW206

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

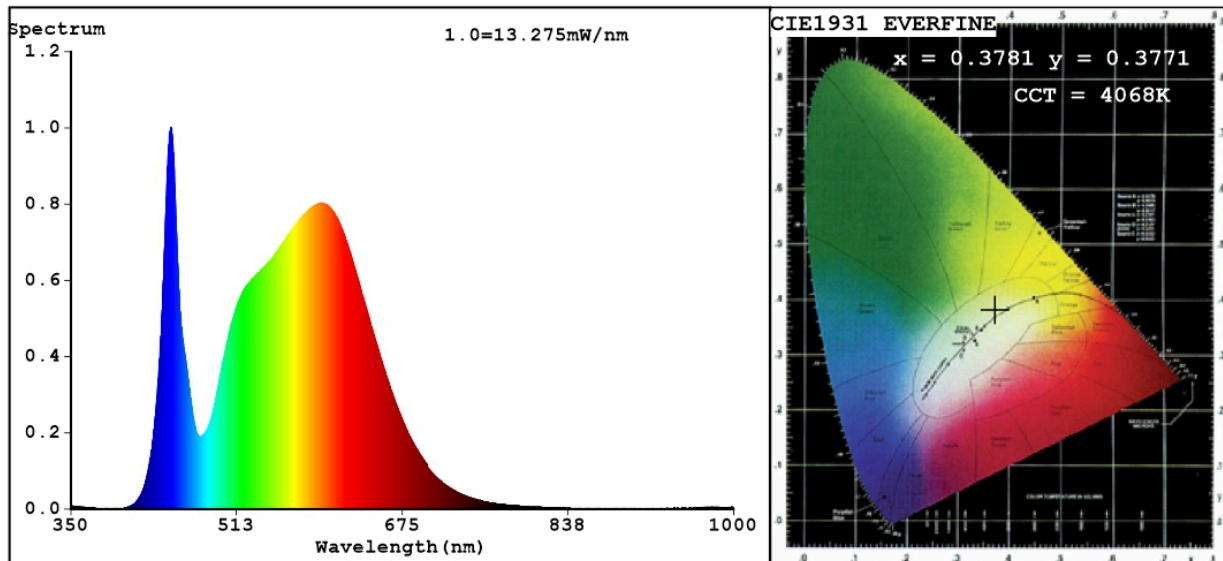
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	650 in Wide cone (120°)	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	9,4	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	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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 0,377	
Parameters for directional light sources:				
Peak luminous intensity (cd)	448	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	12	Survival factor	0,50	
the lumen maintenance factor	0,92			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,50	Colour consistency in McAdam ellipses	4	
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: $x=0.3781$ $y=0.3771$ $u'=0.2234$ $v'=0.5014$
 CCT=4068K (Duv=0.0008) Dominant WL: $\lambda_d = 578.3nm$ WL: $\lambda_c = --nm$ Purity=26.6%
 Ratio: R=18.1% G=78.6% B=3.3%; Peak WL: $\lambda_p = 448.2nm$ FWHM=18.5nm
 Render Index: $R_a = 82.9$

R1 =82	R2 =87	R3 =92	R4 =84	R5 =82	R6 =83	R7 =87
R8 =67	R9 =12	R10=70	R11=83	R12=62	R13=83	R14=96 R15=76

Photo Parameters:

Flux = 629.7 lm Eff. : 66.88 lm/W $\Phi_e = 1.928 W$

Electrical parameters:

V = 229.98 V I = 0.07614 A P = 9.415 W PF = 0.5377
 WHITE: ANSI_4000K

Status: Integral T = 68 ms $I_p = 42597$ (65%)

Model: GRF206 LED/10W
 Tester: Petya Marinova
 Temperature: 25.3Deg
 Manufacturer: ELMARK

Number: 96LEDW206
 Date: 2019-11-05 11:11:56
 Humidity: 65.0%
 Remarks: ELM-1902_6131