

# 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:** 968LEDW60

**Type of light source:**

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

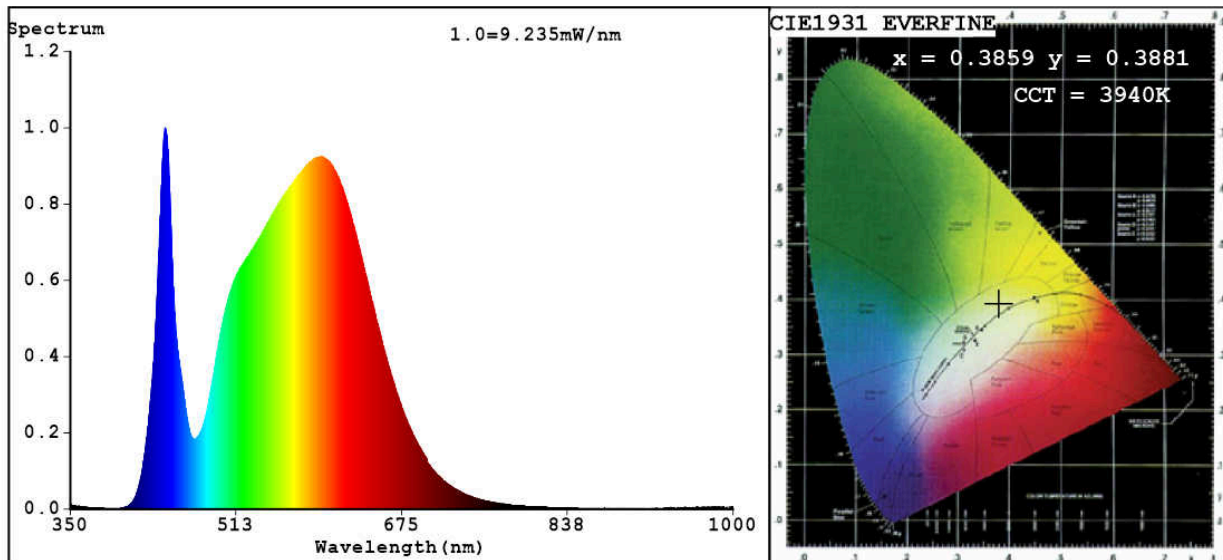
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	500 in Sphere (360°)	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	7,0	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	81
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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,385 0,388	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	7	Survival factor	0,40	
the lumen maintenance factor	0,90			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,80	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)	0,5	Stroboscopic effect metric (SVM)	0,2	

(a) : not applicable;

(b) : not applicable;

## Spectrum Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3859$   $y=0.3881$  /  $u'=0.2242$   $v'=0.5073$

$CCT=3940K$  ( $Duv=0.0037$ ) Dominant WL:  $\lambda_d = 577.5nm$  Purity=32.3%

Ratio: R=18.2% G=78.7% B=3.1% ; Peak WL:  $\lambda_p = 442.8nm$  FWHM=18.5nm

Render Index:  $R_a=81.7$

R1 =80	R2 =85	R3 =92	R4 =83	R5 =80	R6 =81	R7 =86
R8 =66	R9 =7	R10=67	R11=83	R12=66	R13=80	R14=95
						R15=73

### Photo Parameters:

Flux = 505.0 lm Eff. : 72.12 lm/W  $\Phi_e = 1.527 W$

### Electrical parameters:

$V = 229.93 V$   $I = 0.03483 A$   $P = 7.002 W$  PF = 0.8742

WHITE: ANSI\_4000K

Status: Integral T = 90 ms  $I_p = 39821 (61\%)$

Model: GRF968-W LED/6W  
Tester: Petya Marinova  
Temperature: 25.3Deg  
Manufacturer: ELMARK

Number: 968LEDW60  
Date: 2017-06-16 09:07  
Humidity: 65.0%  
Remarks: ESPL201611018\_3538