

# 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:** 96GRF1/515220W

## 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

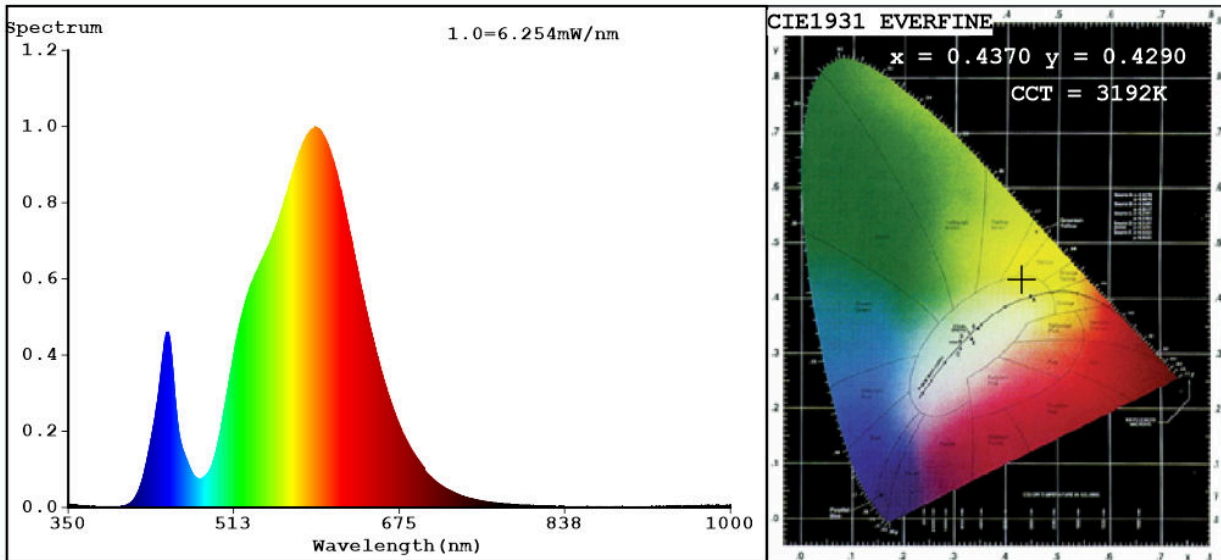
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	G
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	330 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	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	70
Outer dimensions without separate control gear, lighting control	Height	120	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	120	
	Depth	95	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,437 0,429
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	2 010	Beam angle in degrees, or the range of beam angles that can be set	18
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		
<b>Parameters for LED and OLED mains light sources:</b>			
displacement factor (cos $\phi_1$ )	0,47	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)	0,0	Stroboscopic effect metric (SVM)	0,0

(a) '-': not applicable;

(b) '-': not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4370$   $y=0.4290$  /  $u'=0.2403$   $v'=0.5308$   
 CCT=3192K (Duv=0.0097) Dominant WL:Ld =579.1nm WL:Lc = --nm Purity=60.0%  
 Ratio:R=19.4% G=79.2% B=1.4%; Peak WL:Lp=592.5nm FWHM=124.0nm  
 Render Index:Ra=70.3

R1 =66    R2 =77    R3 =90    R4 =70    R5 =65    R6 =69    R7 =81  
 R8 =45    R9 =0    R10=48    R11=65    R12=40    R13=67    R14=94    R15=56

**Photo Parameters:**

Flux = 317.2 lm    Eff. : 57.27 lm/W    Fe = 855.3 mW

**Electrical parameters:**

V = 229.99 V    I = 0.05122 A    P = 5.539 W PF = 0.4702  
 WHITE:OUT

Status: Integral T = 162 ms    Ip = 50939 (78%)

Model:LED OUTDOOR LIGHTING  
 Tester:Atanas DAKOV  
 Temperature:25.3Deg  
 Manufacturer:ELMARK

Number:96GRF1 515220W  
 Date:2023-02-14 13:07:51  
 Humidity:65.0%  
 Remarks:9067