

# 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:** 96GSL1/1024220

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated COB		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

## Product parameters

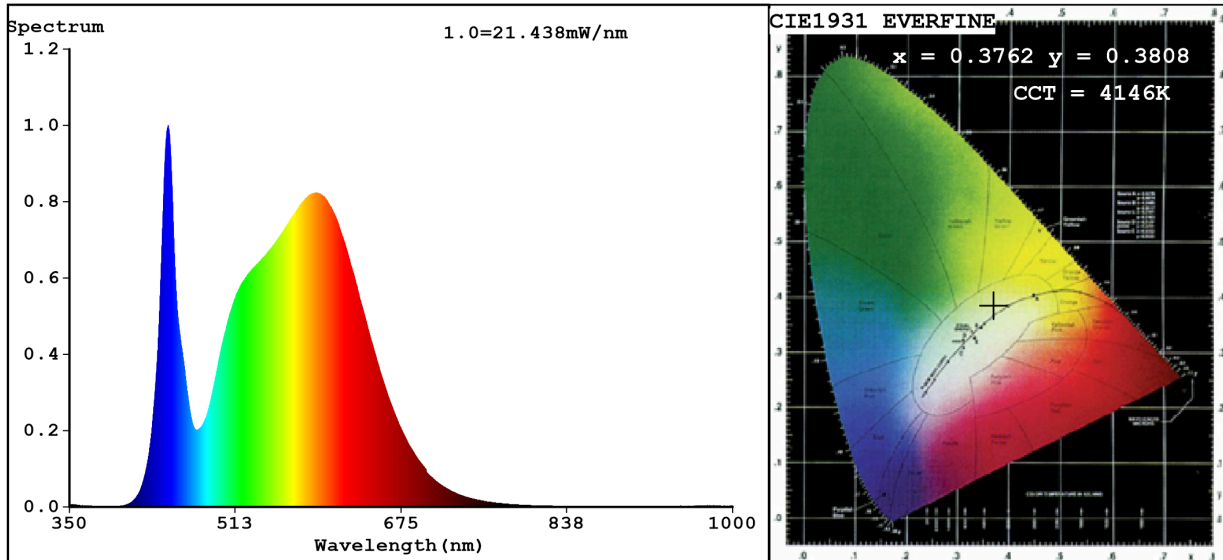
Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	950 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	10,4	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	81
Outer dimensions without separate control gear, lighting control	Height	245	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	95	
	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)	0,376 0,380
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	446	Beam angle in degrees, or the range of beam angles that can be set	24
<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 $\phi_1$ )	0,50	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes <sup>(b)</sup>	If yes then replacement claim (W)	90
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,2

(a) : not applicable;

(b) : not applicable;

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate:  $x=0.3762$   $y=0.3808$  /  $u'=0.2207$   $v'=0.5027$   
 CCT=4146K (Duv=0.0032) Dominant WL:Ld =576.8nm WL:Lc = --nm Purity=27.2%  
 Ratio:R=17.4% G=79.2% B=3.4% ; Peak WL:Lp=446.6nm FWHM=18.4nm  
 Render Index:Ra=81.2

R1 =79    R2 =86    R3 =93    R4 =82    R5 =79    R6 =82    R7 =86  
 R8 =63    R9 =0    R10=68    R11=81    R12=61    R13=80    R14=96    R15=72

**Photo Parameters:**

Flux = 1040 lm    Eff. : 99.97 lm/W    Fe = 3.112 W

**Electrical parameters:**

V = 229.54 V    I = 0.09332 A    P = 10.41 W PF = 0.4858

WHITE:ANSI\_4000K

Status: Integral T = 52 ms    Ip = 50589 (77%)

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

Number:96GSL1 1024220  
 Date:2022-09-07 15:47:03  
 Humidity:65.0%  
 Remarks:8841