

# 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:** 93FGNL6030/BL

## 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):	Yes
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	60	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°)	2 500 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	3 000
On-mode power ( $P_{on}$ ), expressed in W	55,8	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,20
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	83
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

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)	0,438 0,399	
<b>Parameters for directional light sources:</b>				
Peak luminous intensity (cd)	1 171	Beam angle in degrees, or the range of beam angles that can be set	113	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	8	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	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;

## Lightsource Test Report

### Product Information

Product Number: 27

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4385$   $y=0.3990$   $u(u')=0.2538$   $v=0.3464$   $v'=0.5196$

CCT:  $T_c=2932K$  ( $duv=-0.00226$ )

Color Ratio:  $R=0.236$   $G=0.738$   $B=0.026$

Peak Wavelength: 604nm

Half Bandwidth: 119.9nm

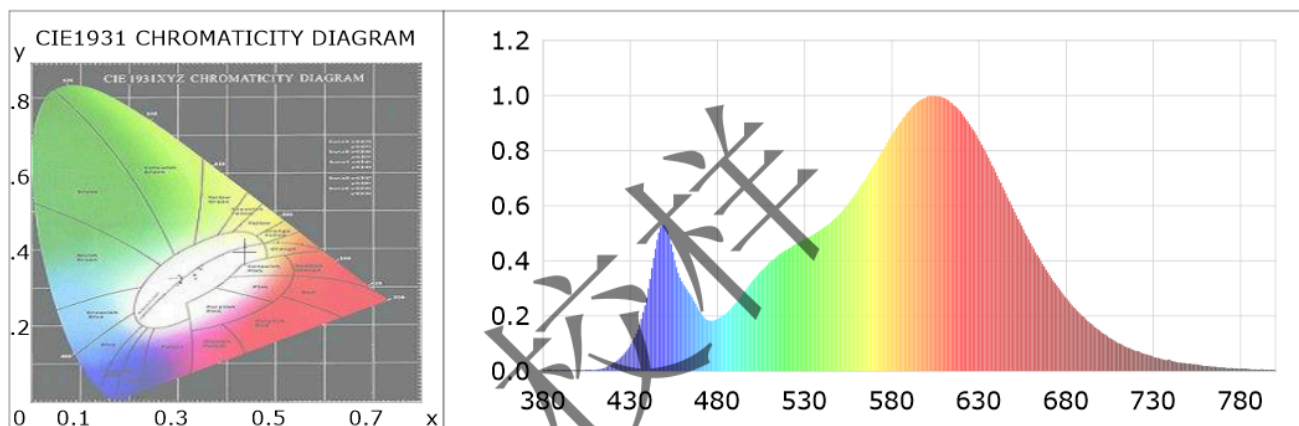
Dominant Wavelength: 583.9nm

Color Purity: 0.514

CRI:  $R_i$ :  $R_a=83.0$

$R_1=82$   $R_2=92$   $R_3=95$   $R_4=82$   $R_5=83$   $R_6=92$   $R_7=81$   $R_8=58$

$R_9=8$   $R_{10}=83$   $R_{11}=82$   $R_{12}=78$   $R_{13}=84$   $R_{14}=98$   $R_{15}=74$



### Photometric Parameters

Luminous Flux: 2502.0 lm

Efficiency: 44.84 lm/W

Radiant Power: 7.658 W

### Electric Parameters

Voltage: 220.70V

Current: 0.4670A

Power: 55.80W

Power Factor: 0.5410

Frequency: 50.00Hz

### Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 6 Sec

Max of Signal: 47599 (3038)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 388.11 ms

Condition:  $T_x=26.9^{\circ}C$ ,  $T_i=25.7^{\circ}C$

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2022-03-31 20:13:24

Inspector: