

# 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:** 96GRF3/330220WW

## 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	3	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°)	272 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	4,0	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	82
Outer dimensions without separate control gear, lighting control	Height	55	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	170	
	Depth	70	
			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)	0,441 0,405
<b>Parameters for directional light sources:</b>			
Peak luminous intensity (cd)	361	Beam angle in degrees, or the range of beam angles that can be set	41
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	1	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)	0,0	Stroboscopic effect metric (SVM)	0,0

(a) '-': not applicable;

(b) '-': not applicable;

# Lightsource Test Report

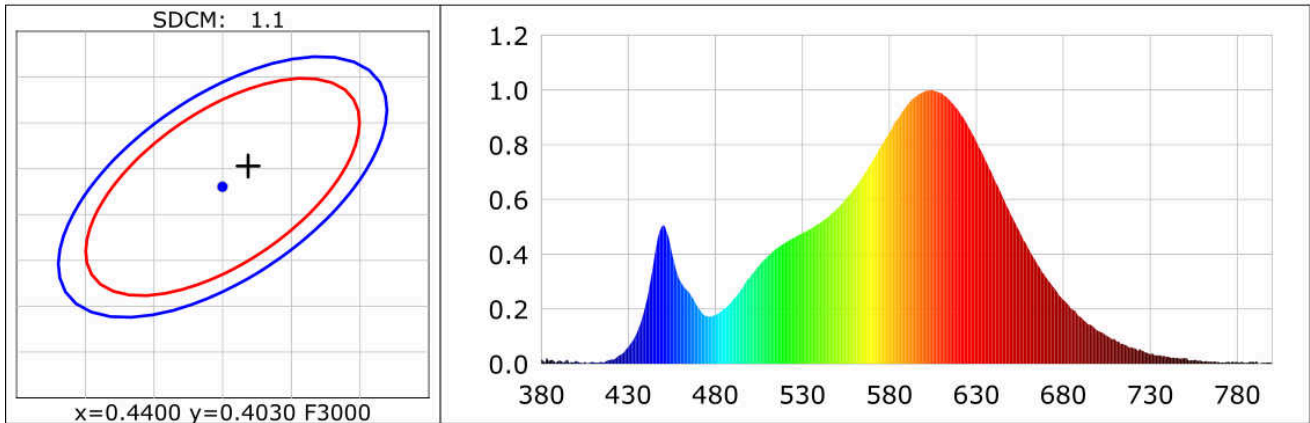
## Product Information

Product Category: 52  
Submitted Unit: T

Product Number: JD-KDR52-AC-3W

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4419$   $y=0.4053$   $u(u')=0.2532$   $v=0.3484$   $v'=0.5226$   
CCT:  $T_c=3039K$  ( $duv=-0.00017$ ) Color Ratio: R=0.234 G=0.741 B=0.025  
Peak Wavelength: 605nm Half Bandwidth: 116.9nm  
Dominant Wavelength: 583.2nm Color Purity: 0.543  
CRI: Ri: Ra= 82.1  
R1 =81 R2 =91 R3 =95 R4 =81 R5 =82 R6 =91 R7 =80 R8 =56  
R9 =1 R10=81 R11=81 R12=74 R13=83 R14=98 R15=72



## Photometric Parameters

Luminous Flux: 272.9 lm Efficiency: 65.86 lm/W Radiant Power: 0.885 W

## Electric Parameters

Voltage: 220.00V Current: 0.0363A Power: 4.14W  
Power Factor: 0.5180 Frequency: 49.99Hz

## Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer  
Stabilization Time: 0 Min Photometric Condition: Sphere diameter: 1.50m, 4T  
Max of Signal: 44361 (4114) CCD Integration Time: 1110.59 ms

Condition: Tx:28.6'C, Ti:27.6'C, R.H.:60%  
Test Lab:  
Operator:

Test Device: Inventfine CMS-2  
Test Time: 2022-07-11 16:19:22  
Inspector: