

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: 96GRFLED003/T3W

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	96 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	3,2	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	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 ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,434 0,395	
Parameters for directional light sources:				
Peak luminous intensity (cd)	40	Beam angle in degrees, or the range of beam angles that can be set	92	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	6	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_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 Number: JD-SP17070-3

Submitted Unit: T

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4341$ $y=0.3958$ $u(u')=0.2523$ $v=0.3451$ $v'=0.5176$

CCT: $T_c=2980K$ ($duv=-0.00296$)

Color Ratio: $R=0.234$ $G=0.739$ $B=0.028$

Peak Wavelength: 602nm

Half Bandwidth: 117.8nm

Dominant Wavelength: 603.4nm

Color Purity: 0.491

CRI: R_i : $R_a=82.9$

$R_1=82$

$R_2=93$

$R_3=94$

$R_4=81$

$R_5=84$

$R_6=92$

$R_7=80$

$R_8=57$

$R_9=6$

$R_{10}=84$

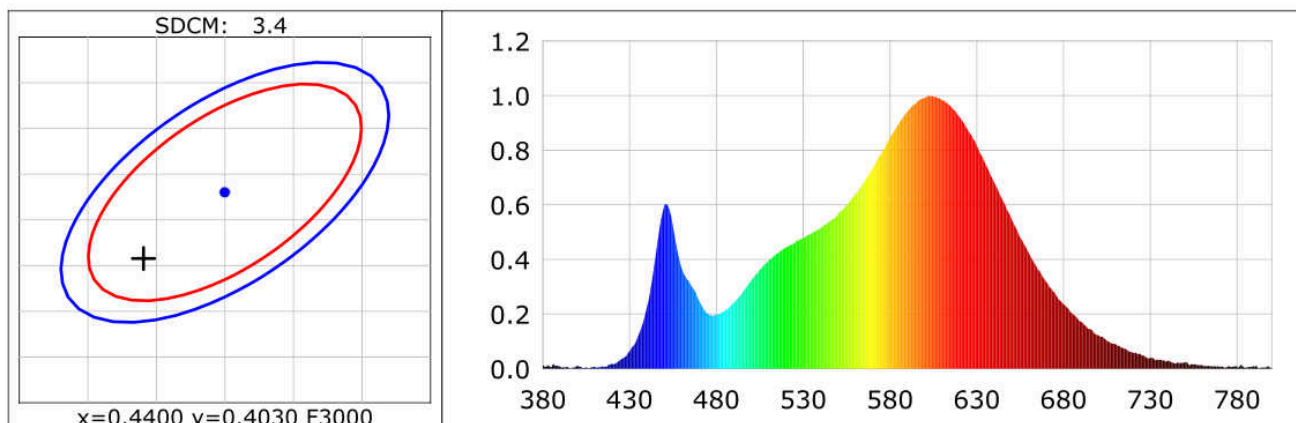
$R_{11}=82$

$R_{12}=77$

$R_{13}=85$

$R_{14}=98$

$R_{15}=74$



Photometric Parameters

Luminous Flux: 96.5 lm

Efficiency: 30.15 lm/W

Radiant Power: 0.259 W

Electric Parameters

Voltage: 220.00V

Current: 0.0283A

Power: 3.20 W

Power Factor: 0.5130

Frequency: 50.00Hz

Test Information

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer

Stabilization Time: 0 Min

Photometric Condition: Sphere diameter: 1.50m, 4 π

Max of Signal: 41265 (4364)

CCD Integration Time: 5036.74 ms

Condition: $T_x:25.1^{\circ}C$, $T_i:25.4^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2

Test Time: 2022-07-11 16:56:31

Inspector: