

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: 96GRF1/315220W

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°)	236 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	300
On-mode power (P_{on}), expressed in W	3,4	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	82
Outer dimensions without separate control gear, lighting control	Height	80	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	100	
	Depth	100	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,439 0,398
Parameters for directional light sources:			
Peak luminous intensity (cd)	1 150	Beam angle in degrees, or the range of beam angles that can be set	17
Parameters for LED and OLED light sources:			
R9 colour rendering index value	4	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

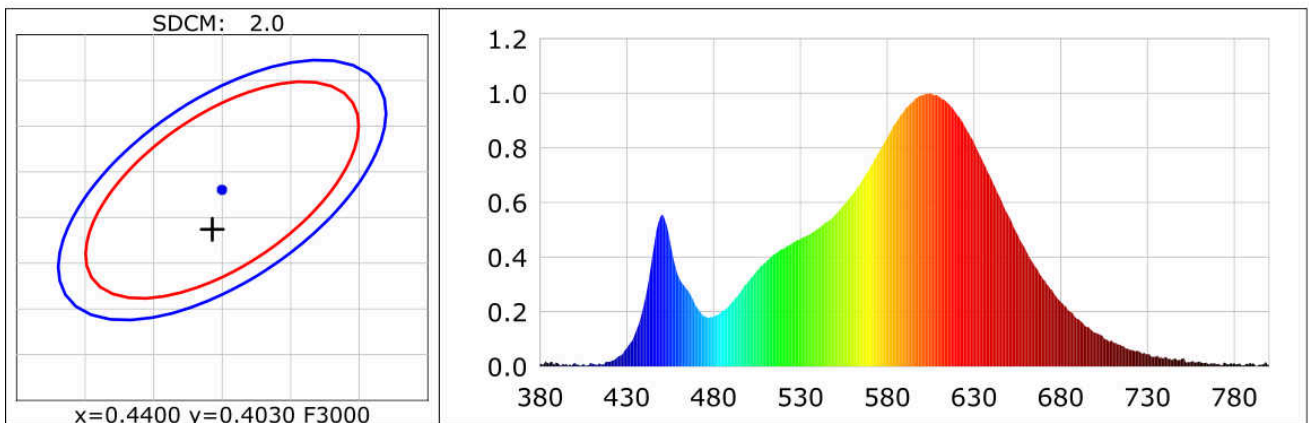
Product Information

Product Category: 52
Submitted Unit: T

Product Number: JD-DM100-3W

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4393$ $y=0.3987$ $u(u')=0.2544$ $v=0.3464$ $v'=0.5196$
CCT: $T_c=2957K$ ($duv=-0.00246$) Color Ratio: $R=0.237$ $G=0.737$ $B=0.026$
Peak Wavelength: 605nm Half Bandwidth: 114.4nm
Dominant Wavelength: 584.1nm Color Purity: 0.515
CRI: R_i : $R_a=82.4$
R1 =81 R2 =92 R3 =95 R4 =81 R5 =83 R6 =92 R7 =79 R8 =56
R9 =4 R10=83 R11=81 R12=77 R13=84 R14=98 R15=73



Photometric Parameters

Luminous Flux: 236.7 lm

Efficiency: 69.62 lm/W

Radiant Power: 0.590 W

Electric Parameters

Voltage: 220.00V

Current: 0.0302A

Power: 3.40W

Power Factor: 0.5120

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: 42227 (4082) CCD Integration Time: 2268.42 ms

Condition: $T_x:28.6^{\circ}C$, $T_i:27.8^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Inventfine CMS-2
Test Time: 2022-07-07 16:10:49
Inspector: