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/T2W

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 (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	100 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	3,1	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	200	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	120		
Depth	120		

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)	73	Beam angle in degrees, or the range of beam angles that can be set	89
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 ϕ1)	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

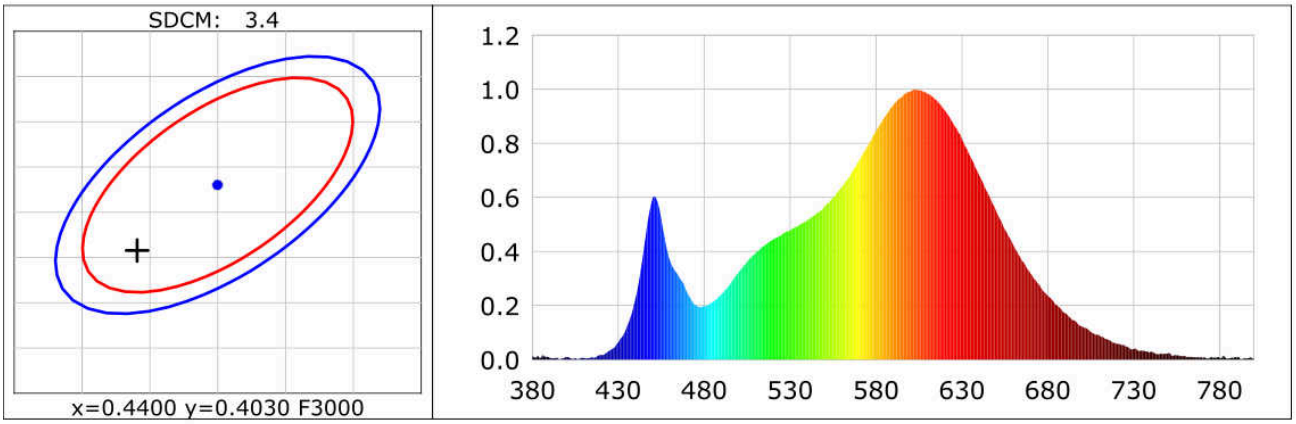
Product Infomation

Product Number: JD-SP17070-2 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: Tc=3080K (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: Ri: Ra= 81.9

R1 =82	R2 =93	R3 =94	R4 =81	R5 =84	R6 =92	R7 =80	R8 =57
R9 =6	R10=84	R11=82	R12=77	R13=85	R14=98	R15=74	



Photometric Parameters

Luminous Flux: 103.1 lm Efficiency: 32.35 lm/W Radiant Power: 0.286 W

Electric Parameters

Voltage: 220.00V Current: 0.0277A Power: 3.19W
Power Factor: 0.5220 Frequency: 49.99Hz

Test Infomation

Scan Range: 380nm~800nm:1nm Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min Photometric Condition: Sphere diameter: 1.50m, 4π
Max of Signal: 48688 (4386) CCD Integration Time: 5036.74 ms

Condition: Tx:25.3'C, Ti:25.5'C, R.H.:60% Test Device: Inventfine CMS-2
Test Lab: Test Time: 2022-07-11 15:36:50
Operator: Inspector: