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: 96GRF330WW/1BL

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:	Yes		
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	10	Energy efficiency class	F
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)	850 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	9,5	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	80
Outer dimensions without separate control gear, lighting control — Height	190	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	75		
Depth	75		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,452 0,419
Parameters for directional light sources:				
Peak luminous intensity (cd)		2 614	Beam angle in degrees, or the range of beam angles that can be set	24
Parameters for LED and OLED light sources:				
R9 colour rendering index value		2	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

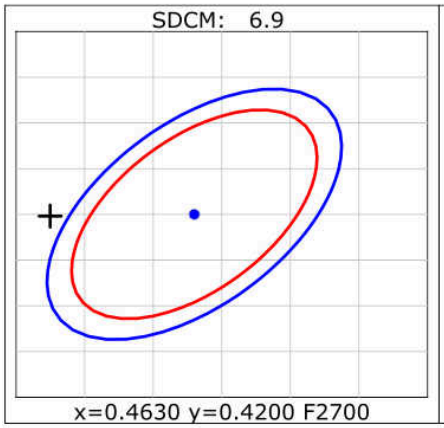
Product Infomation

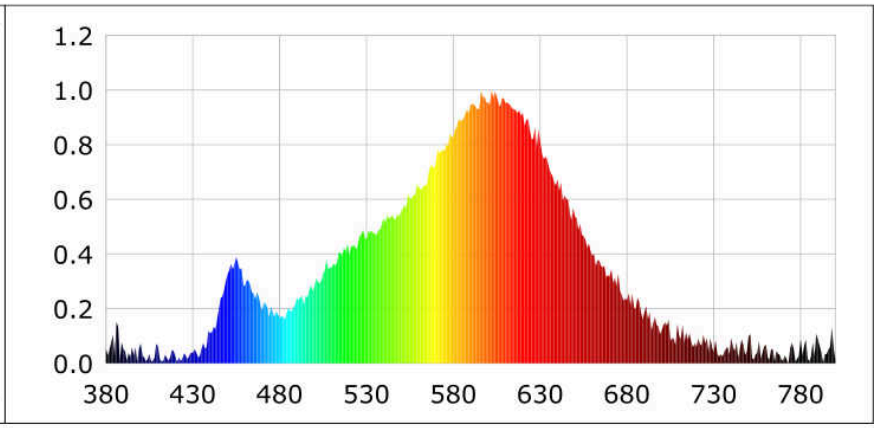
Product Category: 52
Product Number: JD-BDC90S1
Submitted Unit: T

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4525 y=0.4198 u(u')=0.2538 v=0.3531 v'=0.5297
CCT: Tc=2878K (duv=0.00413)
Color Ratio: R=0.232 G=0.745 B=0.023
Peak Wavelength: 602nm
Half Bandwidth: 113.2nm
Dominant Wavelength: 582.1nm
Color Purity: 0.618
CRI: Ri: Ra= 80.2

R1 =78	R2 =89	R3 =96	R4 =78	R5 =78	R6 =89	R7 =80	R8 =53
R9 =2	R10=77	R11=77	R12=67	R13=80	R14=98	R15=69	





Photometric Parameters

Luminous Flux: 953.4 lm
Efficiency: 99.73 lm/W
Radiant Power: 2.711 W

Electric Parameters

Voltage: 220.00V
Current: 0.0838A
Power: 9.56W
Power Factor: 0.5180
Frequency: 49.99Hz

Test Infomation
Scan Range: 380nm~800nm:1nm
Photometric Method: sphere-spectroradiometer
Stabilization Time: 0 Min
Photometric Condition: Sphere diameter: 1.50m, 4∏
Max of Signal: 42222 (3730)
CCD Integration Time: 486.34 ms

Condition: Tx:28.1'C, Ti:27.6'C, R.H.:60%
Test Device: Inventfine CMS-2
Test Lab:
Test Time: 2022-07-09 18:36:30
Operator:
Inspector: