

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: 96GRF53/108220

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	Integrated COB		
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

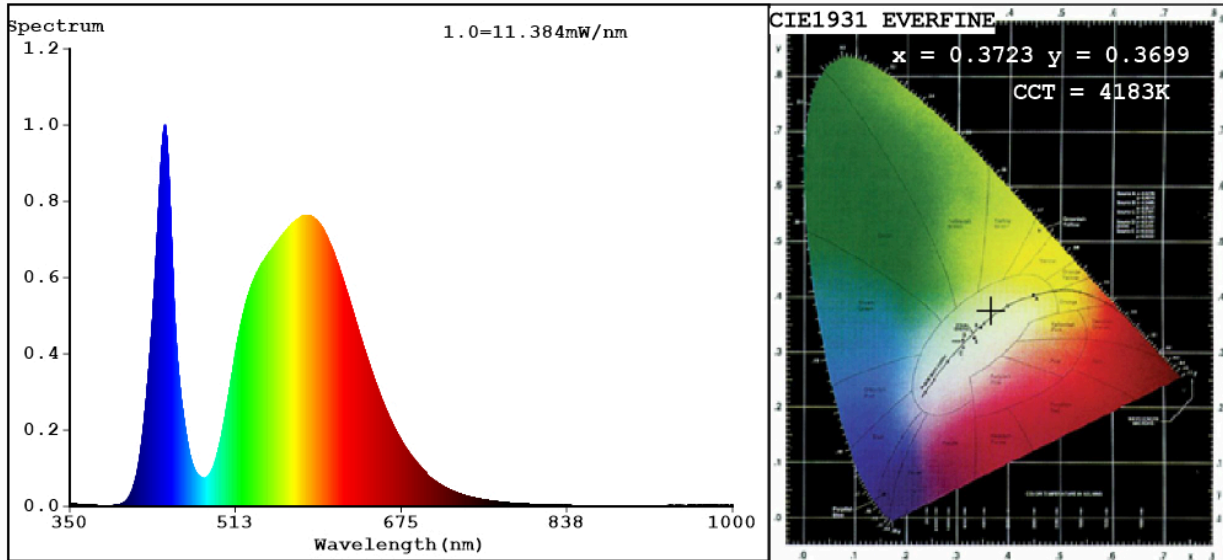
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	700 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	4 000
On-mode power (P_{on}), expressed in W	8,5	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	70
Outer dimensions without separate control gear, lighting control	Height	270	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	75	
	Depth	75	
			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)	0,372 0,369
Parameters for directional light sources:			
Peak luminous intensity (cd)	443	Beam angle in degrees, or the range of beam angles that can be set	8
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,40	Colour consistency in McAdam ellipses	6
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes ^(b)	If yes then replacement claim (W)	90
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3723$ $y=0.3699$ / $u'=0.2225$ $v'=0.4973$
 CCT=4183K(Duv=-0.0008) Dominant WL:Ld =578.8nm WL:Lc = --nm Purity=22.7%
 Ratio:R=16.4% G=81.6% B=2.1%; Peak WL:Lp=443.8nm FWHM=21.9nm
 Render Index:Ra=70.9

R1 =70 R2 =76 R3 =80 R4 =72 R5 =69 R6 =66 R7 =79
 R8 =56 R9 =0 R10=42 R11=69 R12=42 R13=70 R14=88 R15=64

Photo Parameters:

Flux = 500.2 lm Eff. : 58.64 lm/W Fe = 1.487 W

Electrical parameters:

V = 229.50 V I = 0.07889 A P = 8.531 W PF = 0.4712
 WHITE:ANSI_4000K

Status: Integral T = 91 ms Ip = 41697 (64%)

Model:LED OUTDOOR LIGHTING
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:96GRF53 108220
 Date:2022-09-02 16:22:18
 Humidity:65.0%
 Remarks:8841