

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: 96GRF52/760220

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

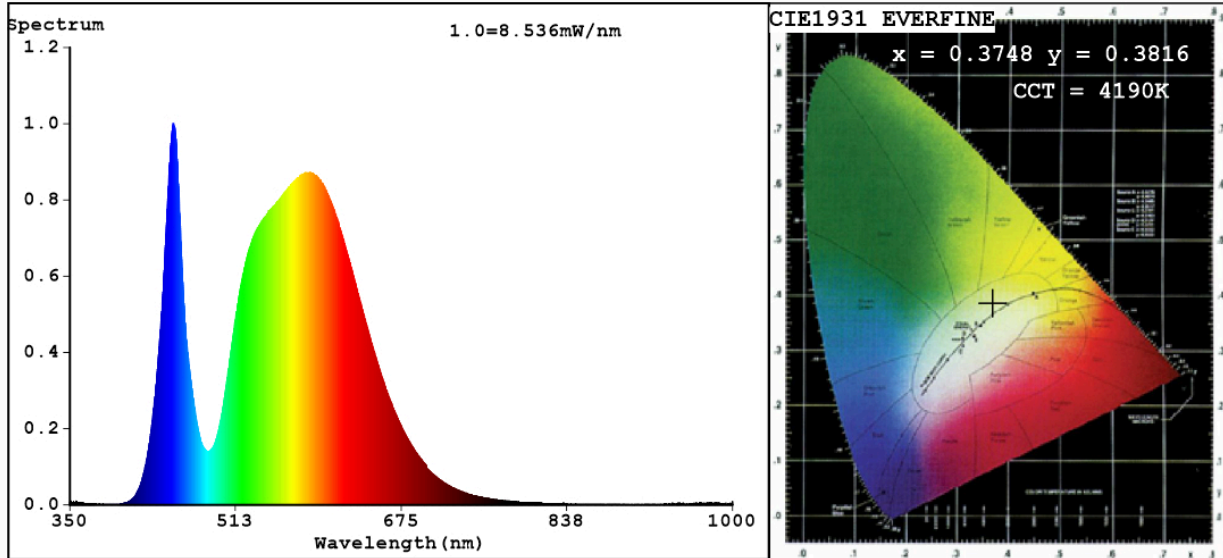
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	7	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	580 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	7,2	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	74
Outer dimensions without separate control gear, lighting control	Height	190	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)	0,374 0,381
Parameters for directional light sources:			
Peak luminous intensity (cd)	451	Beam angle in degrees, or the range of beam angles that can be set	60
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)	0,50	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)	63
Flicker metric (Pst LM)	0,6	Stroboscopic effect metric (SVM)	0,4

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3748$ $y=0.3816$ / $u'=0.2195$ $v'=0.5029$
 CCT=4190K (Duv=0.0040) Dominant WL: $L_d = 576.2\text{nm}$ WL: $L_c = \text{--nm}$ Purity=27.0%
 Ratio: R=16.4% G=81.0% B=2.6% ; Peak WL: $L_p = 451.6\text{nm}$ FWHM=22.7nm
 Render Index: $R_a = 74.6$

R1 =72 R2 =80 R3 =86 R4 =74 R5 =71 R6 =72 R7 =84
 R8 =58 R9 =0 R10=52 R11=70 R12=41 R13=73 R14=92 R15=66

Photo Parameters:

Flux = 437.6 lm Eff. : 60.56 lm/W $P_e = 1.272$ W

Electrical parameters:

V = 229.55 V I = 0.06381 A P = 7.227 W PF = 0.4934

WHITE: ANSI_4000K

Status: Integral T = 91 ms $I_p = 34428$ (53%)

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

Number: 96GRF52 760220
 Date: 2022-09-02 16:18:21
 Humidity: 65.0%
 Remarks: 8841