

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: 96GRF5/31512

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:	NMLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

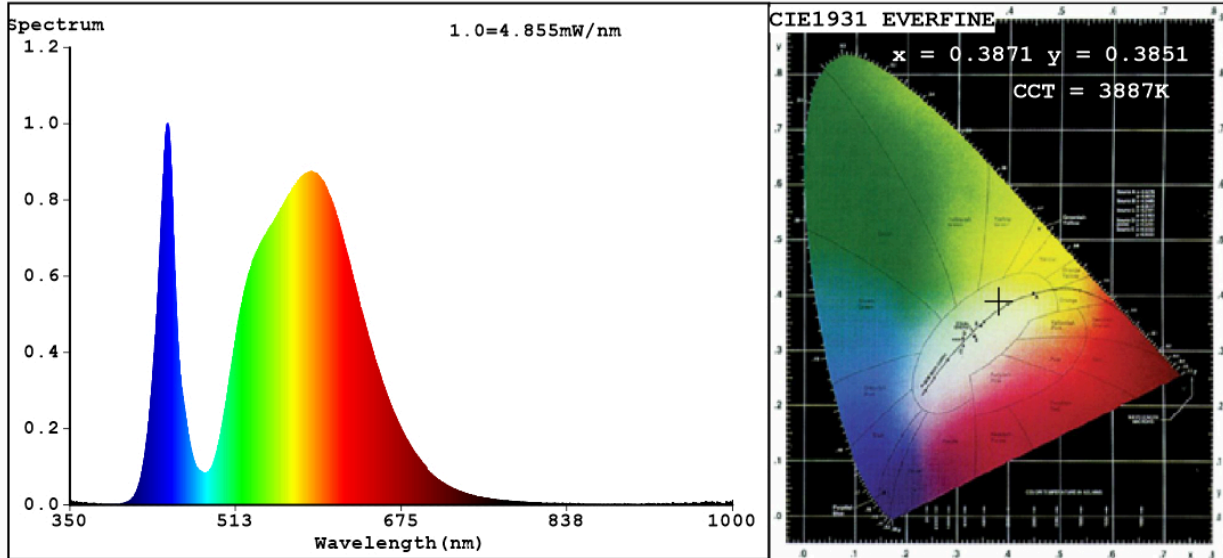
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	240 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	2,6	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	0,10	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	71
Outer dimensions without separate control gear, lighting control	Height	100	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	62	
	Depth	62	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	27
		Chromaticity coordinates (x and y)	0,387 0,385
Parameters for directional light sources:			
Peak luminous intensity (cd)	445	Beam angle in degrees, or the range of beam angles that can be set	15
Parameters for LED and OLED light sources:			
R9 colour rendering index value	0	Survival factor	0,50
the lumen maintenance factor	0,95		

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3871$ $y=0.3851$ / $u'=0.2261$ $v'=0.5062$
 CCT=3887K (Duv=0.0020) Dominant WL: $L_d = 578.5\text{nm}$ WL: $L_c = \text{--nm}$ Purity=31.7%
 Ratio: R=17.1% G=80.9% B=2.0% ; Peak WL: $L_p = 445.6\text{nm}$ FWHM=19.3nm
 Render Index: $R_a = 71.2$

R1 =69 R2 =77 R3 =83 R4 =72 R5 =68 R6 =67 R7 =80
 R8 =53 R9 =0 R10=45 R11=68 R12=40 R13=70 R14=90 R15=63

Photo Parameters:

Flux = 238.6 lm Eff. : 92.95 lm/W $P_e = 685.6$ mW

Electrical parameters:

V = 12.079 V I = 0.2125 A P = 2.567 W PF = 1.000
 WHITE: ANSI_4000K

Status: Integral T = 219 ms $I_p = 46843$ (71%)

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

Number: 96GRF5 31512
 Date: 2022-08-31 15:36:00
 Humidity: 65.0%
 Remarks: 8841