

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: 96GRF2/13012

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

Product parameters

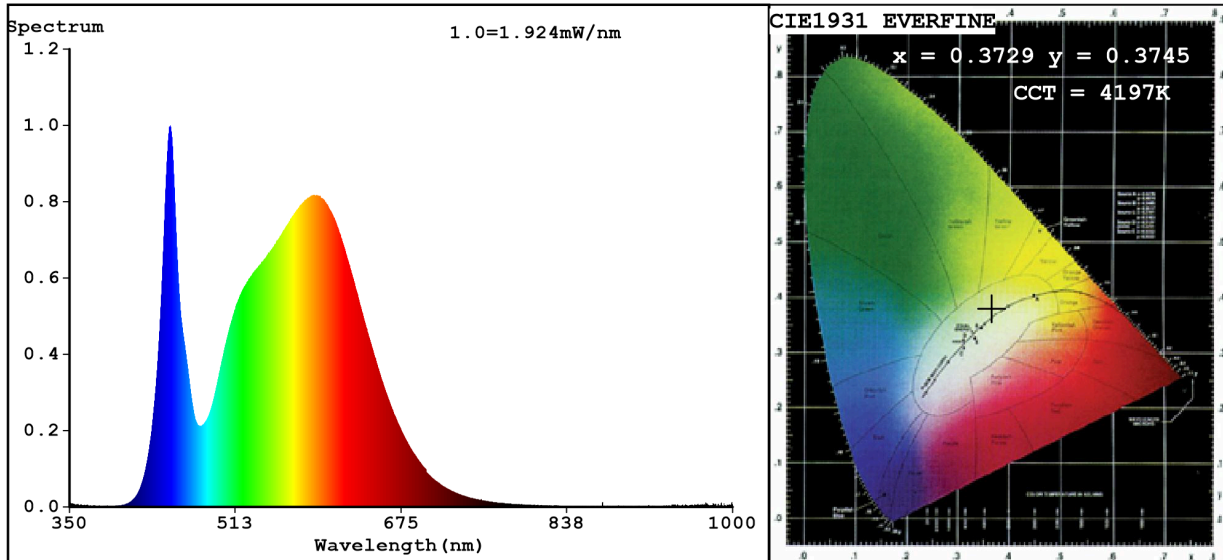
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	90 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	1,1	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
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	80	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	42	
	Depth	42	
			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 0,374
Parameters for directional light sources:			
Peak luminous intensity (cd)	339	Beam angle in degrees, or the range of beam angles that can be set	16
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: $x=0.3729$ $y=0.3745$ / $u'=0.2210$ $v'=0.4995$
 CCT=4197K (Duv=0.0012) Dominant WL:Ld =577.5nm WL:Lc = --nm Purity=24.3%
 Ratio:R=17.3% G=79.3% B=3.4% ; Peak WL:Lp=448.9nm FWHM=20.4nm
 Render Index:Ra=80.7

R1 =79	R2 =86	R3 =92	R4 =81	R5 =79	R6 =81	R7 =86	
R8 =63	R9 =0	R10=67	R11=79	R12=59	R13=80	R14=96	R15=72

Photo Parameters:

Flux = 92.08 lm Eff. : 81.53 lm/W Fe = 277.6 mW

Electrical parameters:

V = 12.079 V I = 0.09350 A P = 1.129 W PF = 1.000
 WHITE:ANSI_4000K

Status: Integral T = 472 ms Ip = 41374 (63%)

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

Number:96GRF2 13012
 Date:2022-09-16 10:46:25
 Humidity:65.0%
 Remarks:8841