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: 96GRF2/130220WW

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:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

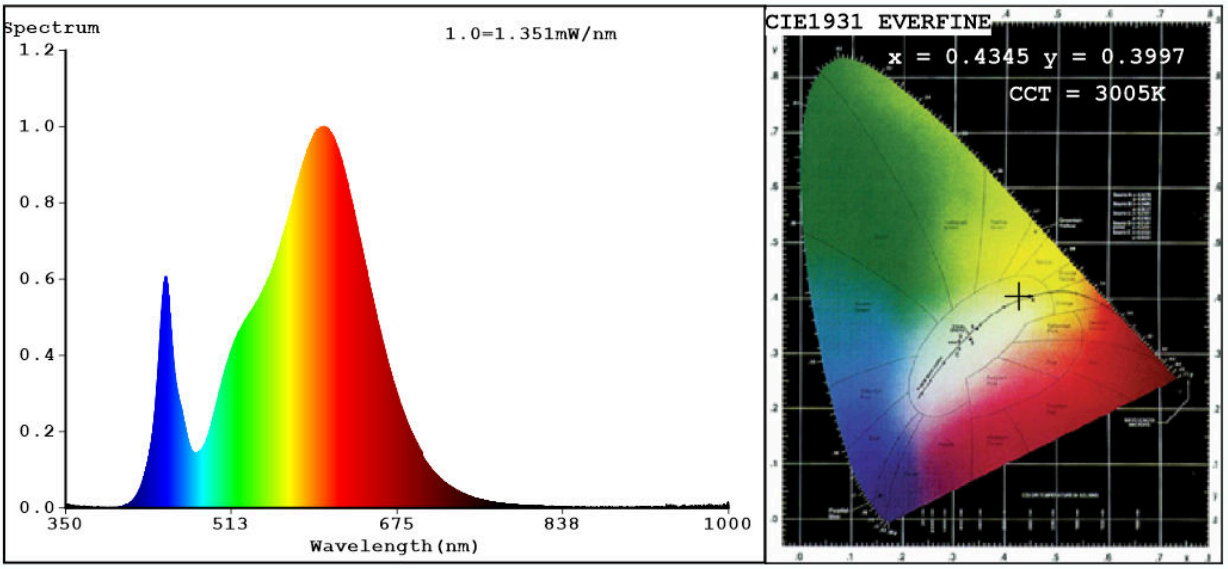
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	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	3 000
On-mode power (P_{on}), expressed in W	1,2	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	81
Outer dimensions without separate control gear, lighting control — Height	42	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	42		
Depth	42		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,459 0,457
Parameters for directional light sources:				
Peak luminous intensity (cd)		455	Beam angle in degrees, or the range of beam angles that can be set	30
Parameters for LED and OLED light sources:				
R9 colour rendering index value		1	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,40	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;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.4345 y=0.3997/u'=0.2509 v'=0.5193

CCT=3005K(Duv=-0.0014) Dominant WL:Ld =583.3nm WL:Lc = --nm Purity=50.4%

Ratio:R=22.7% G=75.0% B=2.3%¡¡Peak WL:Lp=603.1nm FWHM=127.0nm

Render Index:Ra=81.0

R1 =79	R2 =89	R3 =96	R4 =79	R5 =79	R6 =86	R7 =82	
R8 =57	R9 =1	R10=75	R11=79	R12=69	R13=81	R14=98	R15=72

Photo Parameters:

Flux = 65.81 lm Eff. : 47.00 lm/W Fe = 199.1 mW

Electrical parameters:

V = 229.97 V I = 0.01605 A P = 1.400 W PF = 0.3794

WHITE:ANSI_3000K

Status: Integral T = 607 ms Ip = 41123 (63%)

Model:LED OUTDOOR LIGHTING	Number:96GRF2 130220WW
Tester:Atanas DAKOV	Date:2023-02-14 13:25:05
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:9067