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: 96GRFLED001/T1

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:	Yes	Dimmable:	No

Product parameters

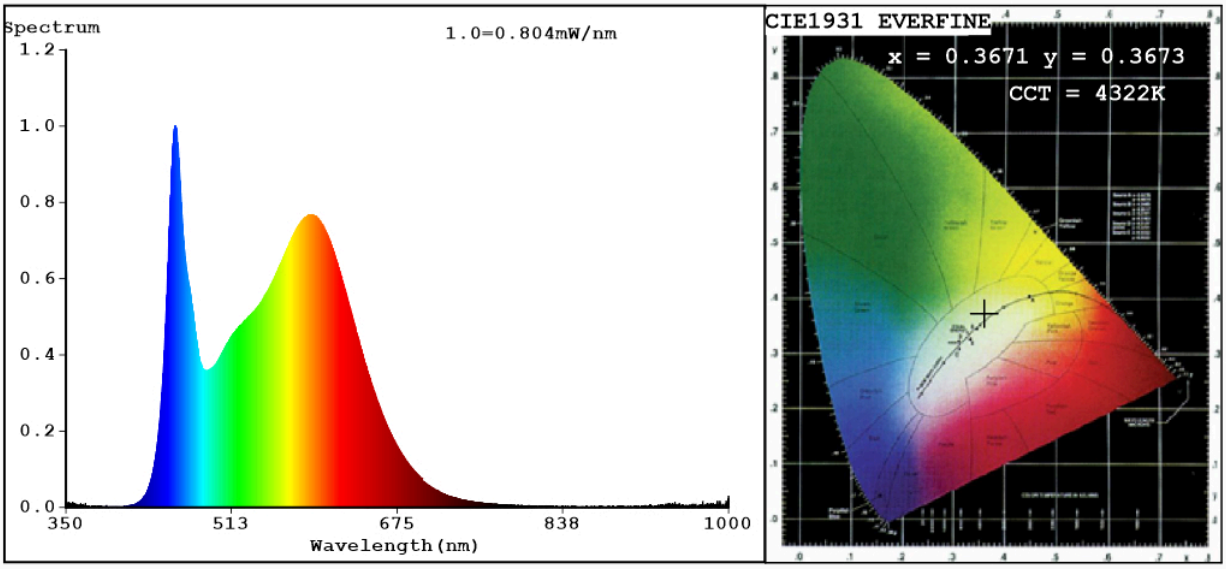
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	50 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	1,4	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	55	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	70		
Depth	70		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,367 0,367
Parameters for directional light sources:				
Peak luminous intensity (cd)		16	Beam angle in degrees, or the range of beam angles that can be set	76
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)		0,50	Colour consistency in McAdam ellipses	1
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)	9
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=0.3671 y=0.3673/u'=0.2200 v'=0.4954

CCT=4322K(Duv=-0.0003) Dominant WL:Ld =578.0nm WL:Lc = --nm Purity=20.4%

Ratio:R=17.4% G=77.6% B=5.1%¡¡Peak WL:Lp=457.4nm FWHM=27.1nm

Render Index:Ra=81.7

R1 =82	R2 =95	R3 =91	R4 =75	R5 =81	R6 =91	R7 =80	
R8 =59	R9 =1	R10=88	R11=74	R12=62	R13=86	R14=95	R15=75

Photo Parameters:

Flux = 34.58 lm Eff. : 23.56 lm/W Fe = 105.7 mW

Electrical parameters:

V = 229.45 V I = 0.01635 A P = 1.468 W PF = 0.3912

WHITE:ANSI_4500K

Status: Integral T = 1248 ms Ip = 43808 (67%)

Model:LED OUTDOOR LIGHTING	Number:96GRFLED001 T1
Tester:Atanas DAKOV	Date:2022-09-01 13:21:29
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:8841