

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/T3

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

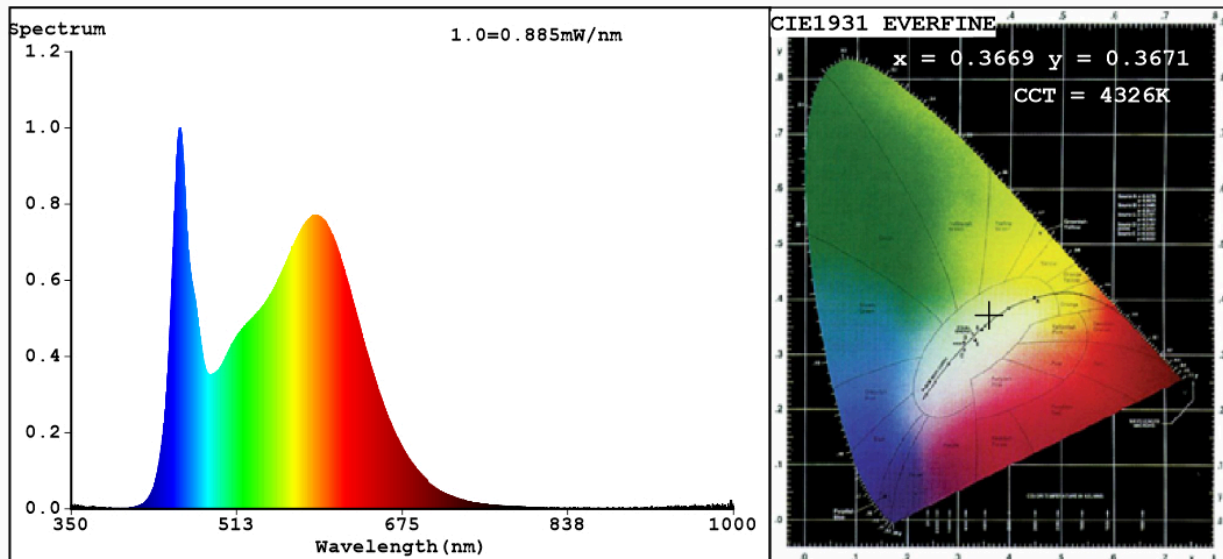
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	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	1,0	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	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,366 0,367	
Parameters for directional light sources:				
Peak luminous intensity (cd)	18	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)	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: $x=0.3669$ $y=0.3671$ $u'=0.2200$ $v'=0.4952$
 CCT=4326K (Duv=-0.0004) Dominant WL:Ld =578.0nm WL:Lc = --nm Purity=20.2%
 Ratio:R=17.3% G=77.7% B=5.0%; Peak WL:Lp=457.4nm FWHM=26.7nm
 Render Index:Ra=81.7

R1 =82	R2 =95	R3 =92	R4 =76	R5 =81	R6 =90	R7 =80
R8 =59	R9 =0	R10=86	R11=75	R12=62	R13=86	R14=96
						R15=74

Photo Parameters:

Flux = 38.28 lm Eff. : 27.32 lm/W Fe = 116.8 mW

Electrical parameters:

V = 229.44 V I = 0.01576 A P = 1.401 W PF = 0.3873

WHITE:ANSI_4500K

Status: Integral T = 1253 ms Ip = 48237 (74%)

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

Number:96GRFLED001 T3
 Date:2022-09-01 13:11:25
 Humidity:65.0%
 Remarks:8841