

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: 96GRFLED003/T1

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
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

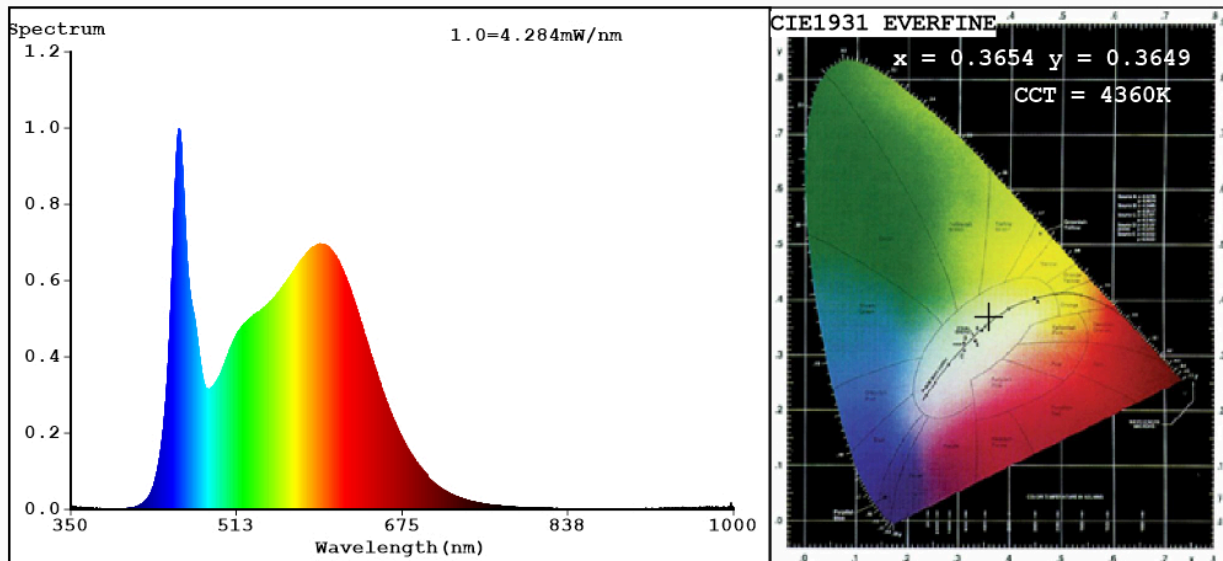
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	175 in Nar-row 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	3,1	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	86
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)	0,365 0,364	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	25	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)	27	
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: $x=0.3654$ $y=0.3649$ $u'=0.2198$ $v'=0.4940$
 CCT=4360K (Duv=-0.0009) Dominant WL:Ld =578.2nm WL:Lc = --nm Purity=19.1%
 Ratio:R=18.0% G=77.1% B=4.9% Peak WL:Lp=456.4nm FWHM=24.0nm
 Render Index:Ra=86.4

R1 =87 R2 =96 R3 =95 R4 =82 R5 =86 R6 =92 R7 =85
 R8 =69 R9 =25 R10=89 R11=82 R12=63 R13=90 R14=98 R15=81

Photo Parameters:

Flux = 175.7 lm Eff. : 55.82 lm/W Fe = 552.6 mW

Electrical parameters:

V = 229.42 V I = 0.03118 A P = 3.148 W PF = 0.4401
 WHITE:ANSI_4500K

Status: Integral T = 210 ms Ip = 38931 (59%)

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

Number:96GRFLED003 T1
 Date:2022-09-01 13:45:49
 Humidity:65.0%
 Remarks:8841