

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: 96GRFLED068

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

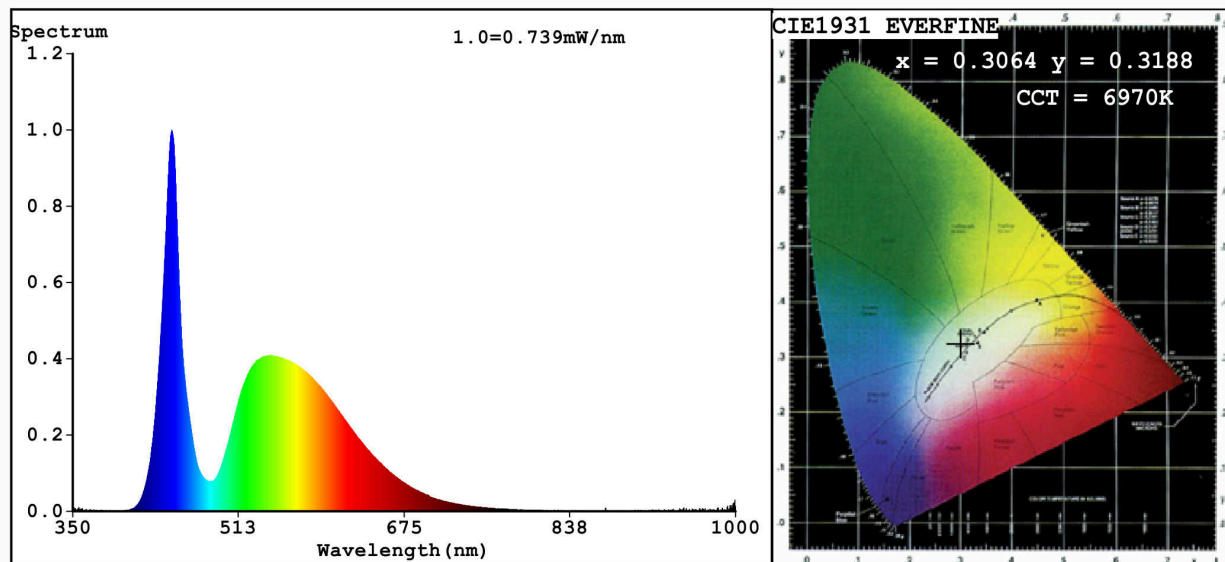
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	20 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	6 500
On-mode power (P_{on}), expressed in W	0,5	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	72
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,306 0,318	
Parameters for directional light sources:				
Peak luminous intensity (cd)	447	Beam angle in degrees, or the range of beam angles that can be set	45	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,10	Colour consistency in McAdam ellipses	0	
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: $x=0.3064$ $y=0.3188$ $u'=0.1973$ $v'=0.4618$
 CCT=6970K (Duv=0.0012) Dominant WL:Ld =484.4nm WL:Lc = --nm Purity=10.3%
 Ratio:R=12.1% G=84.1% B=3.8%; Peak WL:Lp=447.2nm FWHM=19.0nm
 Render Index:Ra=72.6

R1 =73	R2 =74	R3 =73	R4 =75	R5 =74	R6 =66	R7 =80
R8 =66	R9 =0	R10=37	R11=74	R12=41	R13=72	R14=85 R15=70

Photo Parameters:

Flux = 17.78 lm Eff. : 30.56 lm/W Fe = 57.46 mW

Electrical parameters:

V = 220.06 V I = 0.01530 A P = 0.5817 W PF = 0.1728
 WHITE:ANSI_6500K

Status: Integral T = 1488 ms Ip = 34516 (53%)

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

Number:96GRFLED068
 Date:2020-01-23 08:31:10
 Humidity:65.0%
 Remarks:6356