

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: 96GRF1/3645220

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:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

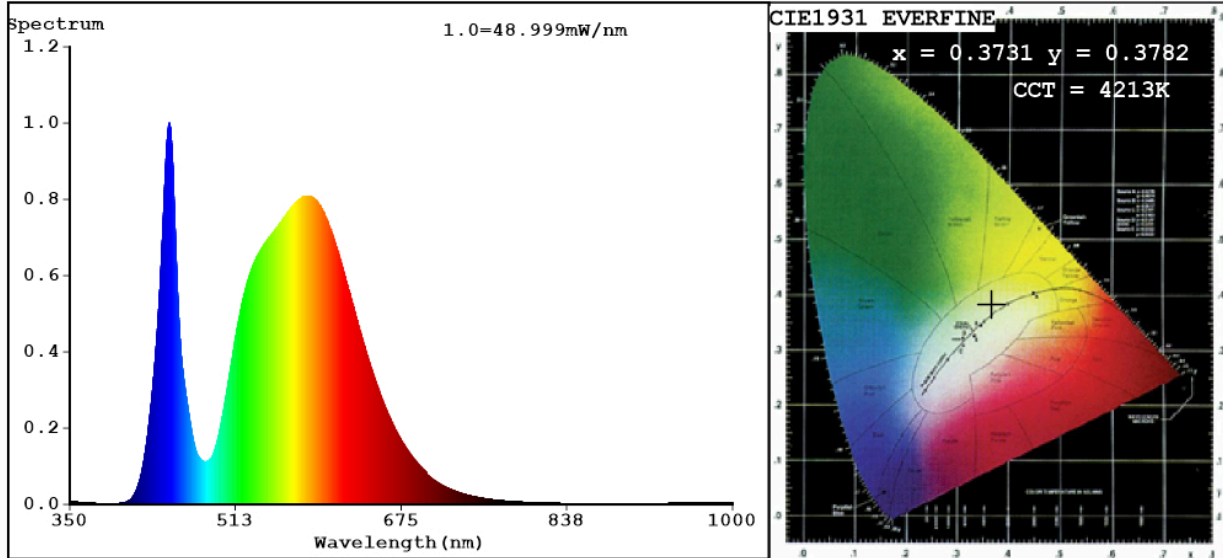
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	2 800 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	35,7	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	71
Outer dimensions without separate control gear, lighting control	Height	95	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	250	
	Depth	250	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,373 0,378
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	0,95		
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.	-(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: $x=0.3731$ $y=0.3782$ / $u'=0.2197$ $v'=0.5012$
 CCT=4213K (Duv=0.0029) Dominant WL:Ld =576.6nm WL:Lc = --nm Purity=25.5%
 Ratio:R=16.0% G=81.6% B=2.4% ; Peak WL:Lp=447.9nm FWHM=20.1nm
 Render Index:Ra=71.8

R1 =69 R2 =77 R3 =84 R4 =72 R5 =69 R6 =68 R7 =81
 R8 =54 R9 =0 R10=46 R11=68 R12=41 R13=70 R14=91 R15=63

Photo Parameters:

Flux = 2279 lm Eff. : 63.73 lm/W Fe = 6.582 W

Electrical parameters:

V = 229.55 V I = 0.2818 A P = 35.77 W PF = 0.5530

WHITE:ANSI_4000K

Status: Integral T = 27 ms Ip = 54387 (83%)

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

Number:96GRF1 3645220
 Date:2022-09-05 14:37:04
 Humidity:65.0%
 Remarks:8841