

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: 93MFGL1230/BL

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:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

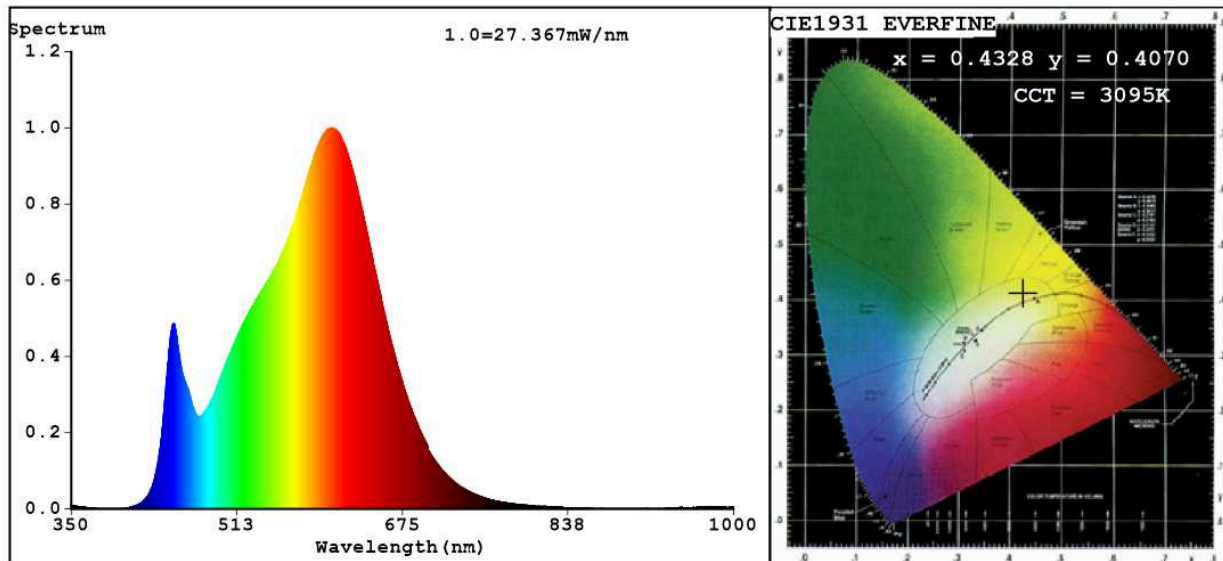
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 000 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	3 000
On-mode power (P_{on}), expressed in W	20,0	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	85
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)	0,432 0,407
Parameters for directional light sources:				
Peak luminous intensity (cd)	606		Beam angle in degrees, or the range of beam angles that can be set	30
Parameters for LED and OLED light sources:				
R9 colour rendering index value	17		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4328$ $y=0.4070$ / $u'=0.2467$ $v'=0.5219$
 CCT=3095K (Duv=0.0018) Dominant WL: $L_d = 581.8\text{nm}$ WL: $L_c = \text{--nm}$ Purity=52.1%
 Ratio: R=22.7% G=74.4% B=2.9% ; Peak WL: $L_p = 606.1\text{nm}$ FWHM=137.3nm
 Render Index: $R_a = 85.5$ AvgR=80.4 TM30: $R_f = 87$ $R_g = 95$ $L_{av} = 588.9\text{nm}$

R1 =84	R2 =93	R3 =97	R4 =84	R5 =85	R6 =92	R7 =85
R8 =64	R9 =17	R10=83	R11=84	R12=75	R13=86	R14=99 R15=77

Photo Parameters:

Flux = 1369 lm Eff. : 68.28 lm/W $F_e = 4.217$ W

Electrical parameters:

V = 225.12 V I = 0.2599 A P = 20.05 W PF = 0.3427
 WHITE:ANSI_3000K

Status: Integral T = 48 ms $I_p = 51246$ (78%)

Model: led grill light
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:93MFGL1230/BL
 Date:2021-11-17 14:47:50
 Humidity:65.0%
 Remarks:7876