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: 93MFGL1240/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

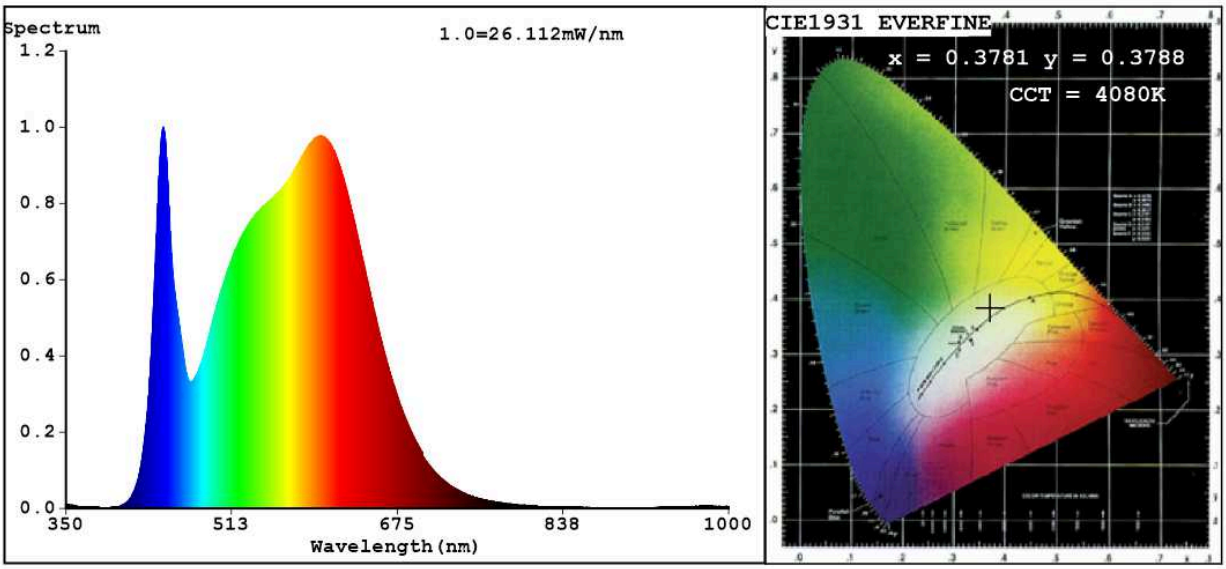
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	1 100 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	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	86
Outer dimensions without — Height	590	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	285		
Outer dimensions without — Depth	225		

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)	0,378 0,378
Parameters for directional light sources:				
Peak luminous intensity (cd)		445	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		23	Survival factor	0,50
the lumen maintenance factor		0,93		

(a)'-' : not applicable;

(b)'-' : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3781 y=0.3788/u'=0.2227 v'=0.5021

CCT=4080K(Duv=0.0017) Dominant WL:Ld =577.8nm WL:Lc = --nm Purity=27.1%

Ratio:R=18.5% G=77.6% B=3.9%¡¡Peak WL:Lp=445.5nm FWHM=25.0nm

Render Index:Ra=86.5 AvgR=81.1 TM30:Rf=87 Rg=97 Lav=568.7nm

R1 =85	R2 =91	R3 =95	R4 =87	R5 =86	R6 =88	R7 =89	
R8 =71	R9 =23	R10=78	R11=87	R12=73	R13=87	R14=97	R15=79

Photo Parameters:

Flux = 1512 lm Eff. : 75.43 lm/W Fe = 4.717 W

Electrical parameters:

V = 225.18 V I = 0.2562 A P = 20.05 W PF = 0.3476

WHITE:ANSI_4000K

Status: Integral T = 48 ms Ip = 47707 (73%)

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

Number:93MFGL1240/BL
Date:2021-11-17 15:02:26
Humidity:65.0%
Remarks:7876