

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: 93M20FFL1240/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):	Yes
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

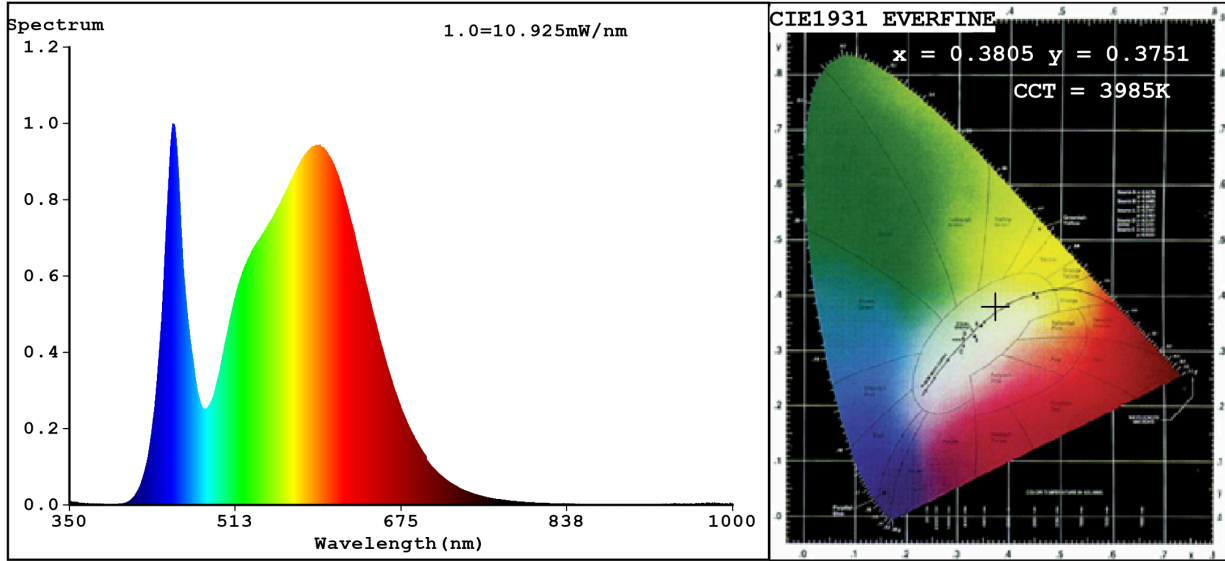
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	12	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	700 in Wide cone (120°)	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	15,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,20
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,20	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81
Outer dimensions without separate control gear, lighting control	Height	55	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	22	
	Depth	300	
			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)	0,380 0,375
Parameters for directional light sources:			
Peak luminous intensity (cd)	241	Beam angle in degrees, or the range of beam angles that can be set	98
Parameters for LED and OLED light sources:			
R9 colour rendering index value	6	Survival factor	0,50
the lumen maintenance factor	0,95		

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3805$ $y=0.3751$ / $u'=0.2258$ $v'=0.5009$
 CCT=3985K (Duv=-0.0008) Dominant WL:Ld =579.6nm WL:Lc = --nm Purity=26.8%
 Ratio:R=18.3% G=78.3% B=3.4% ; Peak WL:Lp=451.3nm FWHM=25.0nm
 Render Index:Ra=81.9

R1 =80 R2 =88 R3 =93 R4 =80 R5 =80 R6 =83 R7 =86
 R8 =64 R9 =6 R10=71 R11=79 R12=60 R13=82 R14=96 R15=75

Photo Parameters:

Flux = 590.3 lm Eff. : 37.16 lm/W Fe = 1.802 W

Electrical parameters:

V = 229.82 V I = 0.1591 A P = 15.88 W PF = 0.4345
 WHITE:ANSI_4000K

Status: Integral T = 93 ms Ip = 47393 (72%)

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

Number:93M20FFL1240 BL
 Date:2022-10-20 13:08:03
 Humidity:65.0%
 Remarks:8751