

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: 93M20FL3030/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

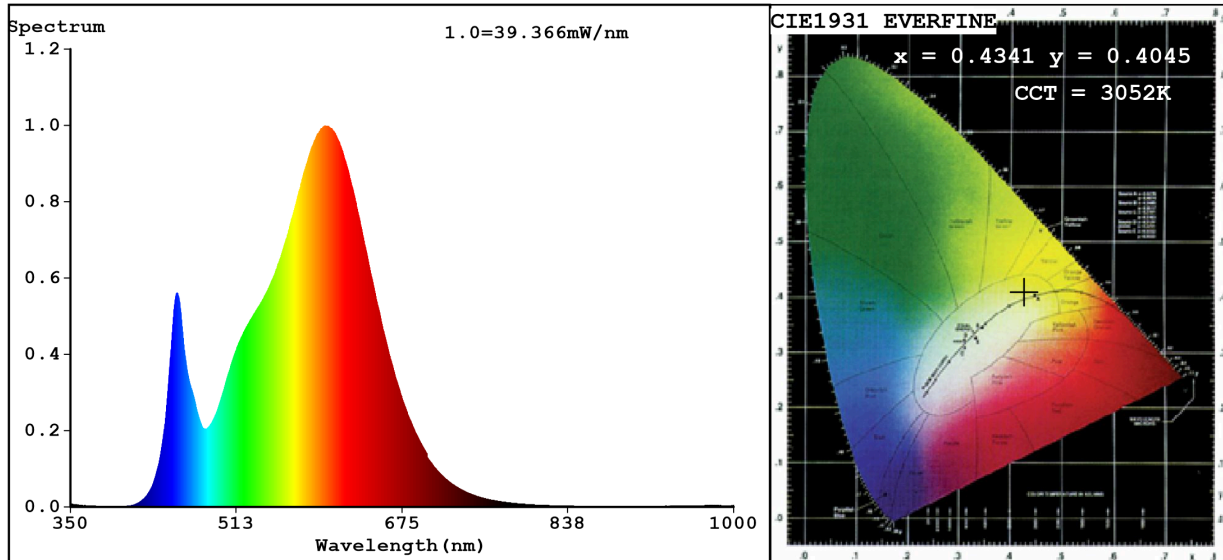
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	30	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 900 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	3 000
On-mode power (P_{on}), expressed in W	32,0	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	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,434 0,404	
Parameters for directional light sources:				
Peak luminous intensity (cd)	866	Beam angle in degrees, or the range of beam angles that can be set	90	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	0	Survival factor	0,50	
the lumen maintenance factor	0,95			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.4341$ $y=0.4045$ $u'=0.2485$ $v'=0.5211$
 CCT=3052K (Duv=0.0006) Dominant WL: $L_d = 582.4nm$ WL: $L_c = --nm$ Purity=51.7%
 Ratio: R=22.3% G=75.0% B=2.7% Peak WL: $L_p = 599.5nm$ FWHM=125.1nm
 Render Index: $R_a = 81.0$

R1 =79	R2 =91	R3 =95	R4 =78	R5 =79	R6 =88	R7 =81
R8 =56	R9 =0	R10=79	R11=76	R12=67	R13=82	R14=98
						R15=71

Photo Parameters:

Flux = 1929 lm Eff. : 60.13 lm/W $F_e = 5.778 W$

Electrical parameters:

V = 229.89 V I = 0.2877 A P = 32.08 W PF = 0.4851

WHITE: ANSI_3000K

Status: Integral T = 25 ms $I_p = 48119 (73\%)$

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

Number: 93M20FL3030 BL
 Date: 2022-10-19 13:51:15
 Humidity: 65.0%
 Remarks: 8751