

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: 93MTL1040/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

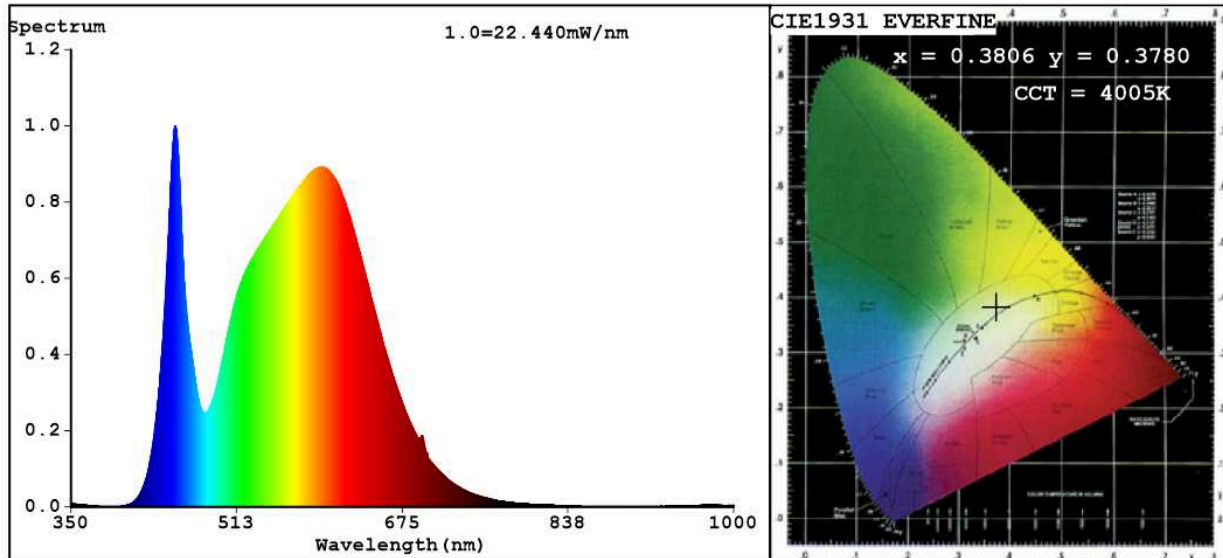
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 100 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	16,0	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	83
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)	0,380 0,378
Parameters for directional light sources:				
Peak luminous intensity (cd)	452		Beam angle in degrees, or the range of beam angles that can be set	38
Parameters for LED and OLED light sources:				
R9 colour rendering index value	15		Survival factor	0,50
the lumen maintenance factor	0,93			

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3806$ $y=0.3780$ $u'=0.2247$ $v'=0.5021$
 CCT=4005K (Duv=0.0005) Dominant WL: $L_d=578.8nm$ WL: $L_c = --nm$ Purity=27.6%
 Ratio: R=18.4% G=78.2% B=3.5% Peak WL: $L_p=452.0nm$ FWHM=22.3nm
 Render Index: $R_a=83.4$ AvgR=76.9 TM30: $R_f=84$ $R_g=96$ $L_{av}=570.8nm$

R1 =82	R2 =89	R3 =93	R4 =83	R5 =82	R6 =84	R7 =87	
R8 =68	R9 =15	R10=73	R11=81	R12=60	R13=84	R14=96	R15=77

Photo Parameters:

Flux = 1179 lm Eff. : 73.36 lm/W $F_e = 3.637 W$

Electrical parameters:

V = 225.14 V I = 0.2341 A P = 16.07 W PF = 0.3049
 WHITE: ANSI_4000K

Status: Integral T = 44 ms $I_p = 39630 (60\%)$

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

Number: 93MTL1040 BL
 Date: 2021-11-18 09:26:51
 Humidity: 65.0%
 Remarks: 7876