

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: 93MTL1530/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

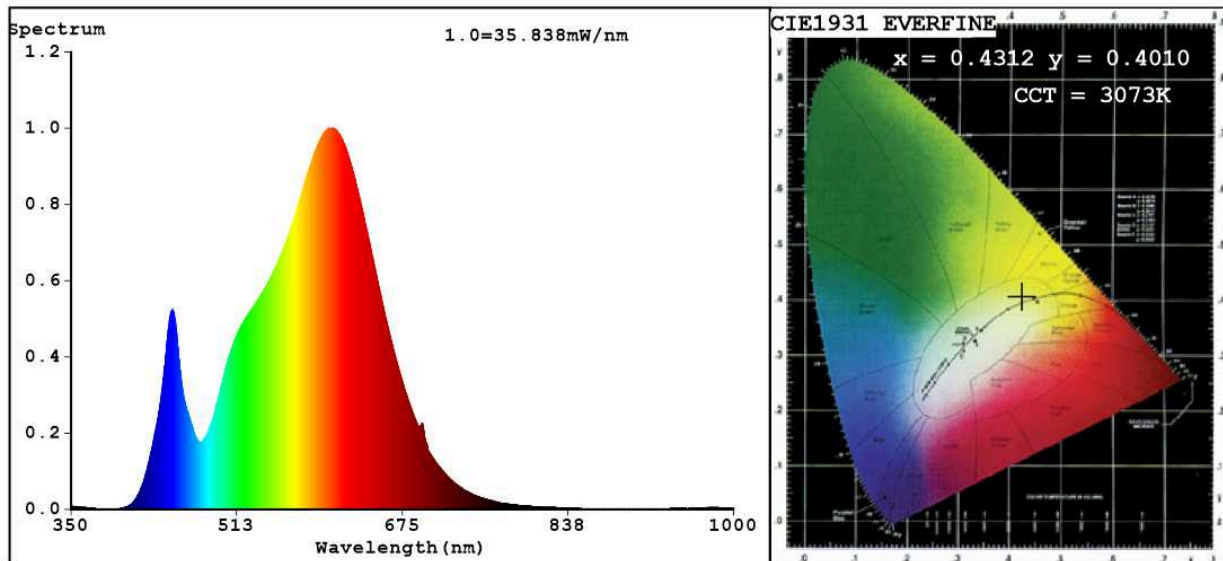
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 700 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	21,4	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	84
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)	0,431 0,401	
Parameters for directional light sources:				
Peak luminous intensity (cd)	603	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: $x=0.4312$ $y=0.4010$ $u'=0.2482$ $v'=0.5193$
 CCT=3073K (Duv=-0.0004) Dominant WL: $L_d = 582.7nm$ WL: $L_c = --nm$ Purity=49.8%
 Ratio: R=22.8% G=74.7% B=2.6% Peak WL: $L_p = 603.5nm$ FWHM=137.7nm
 Render Index: Ra=84.6 AvgR=79.4 TM30: Rf=85 Rg=97 Lav=588.6nm

R1 =83	R2 =91	R3 =97	R4 =84	R5 =84	R6 =89	R7 =85
R8 =64	R9 =15	R10=79	R11=84	R12=76	R13=85	R14=99 R15=76

Photo Parameters:

Flux = 1789 lm Eff. : 83.29 lm/W $F_e = 5.548 W$

Electrical parameters:

V = 225.14 V I = 0.2683 A P = 21.47 W PF = 0.3555

WHITE:ANSI_3000K

Status: Integral T = 35 ms $I_p = 56140 (86\%)$

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

Number:93MTL1530 BL
 Date:2021-11-18 13:42:34
 Humidity:65.0%
 Remarks:7876