

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: 99LED960M

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	G13		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

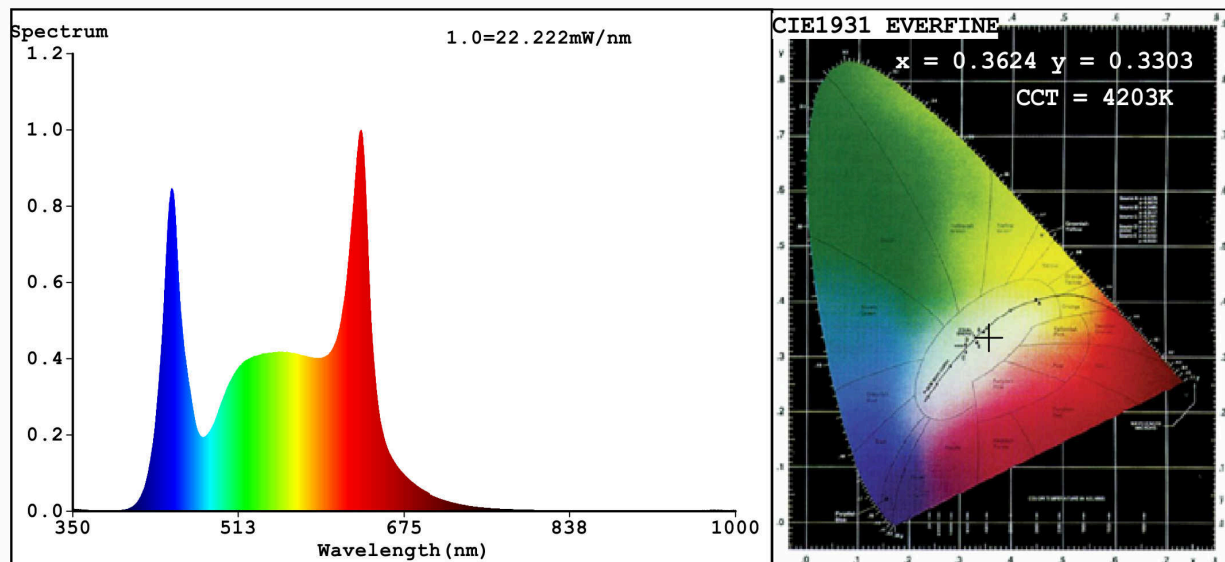
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	G
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	680 in Sphere (360°)	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	11,0	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	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)	0,362 0,330	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	49	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,25	Colour consistency in McAdam ellipses	0	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-	
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0	

(a) : not applicable;

(b) : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3624$ $y=0.3303$ $u'=0.2323$ $v'=0.4765$
CCT=4203K (Duv=-0.0178) Dominant WL:Ld =628.1nm WL:Lc = --nm Purity=7.8%
Ratio:R=22.9% G=72.5% B=4.6% ; Peak WL:Lp=632.7nm FWHM=29.5nm
Render Index:Ra=86.4

R1 =84	R2 =93	R3 =88	R4 =81	R5 =86	R6 =90	R7 =92
R8 =78	R9 =49	R10=90	R11=77	R12=89	R13=86	R14=91 R15=78

Photo Parameters:

Flux = 683.9 lm Eff. : 59.51 lm/W Fe = 2.375 W

Electrical parameters:

V = 220.00 V I = 0.2017 A P = 11.49 W PF = 0.2590

WHITE:OUT

Status: Integral T = 51 ms Ip = 50823 (78%)

Model: MEATLED TUBE
Tester:Atanas DAKOV
Temperature:25.3Deg
Manufacturer:ELMARK

Number:99LED960M
Date:2021-03-30 15:48:11
Humidity:65.0%
Remarks:7292