

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: 99LED352MHE

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	T8 G13		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	Dimmable:	No

Product parameters

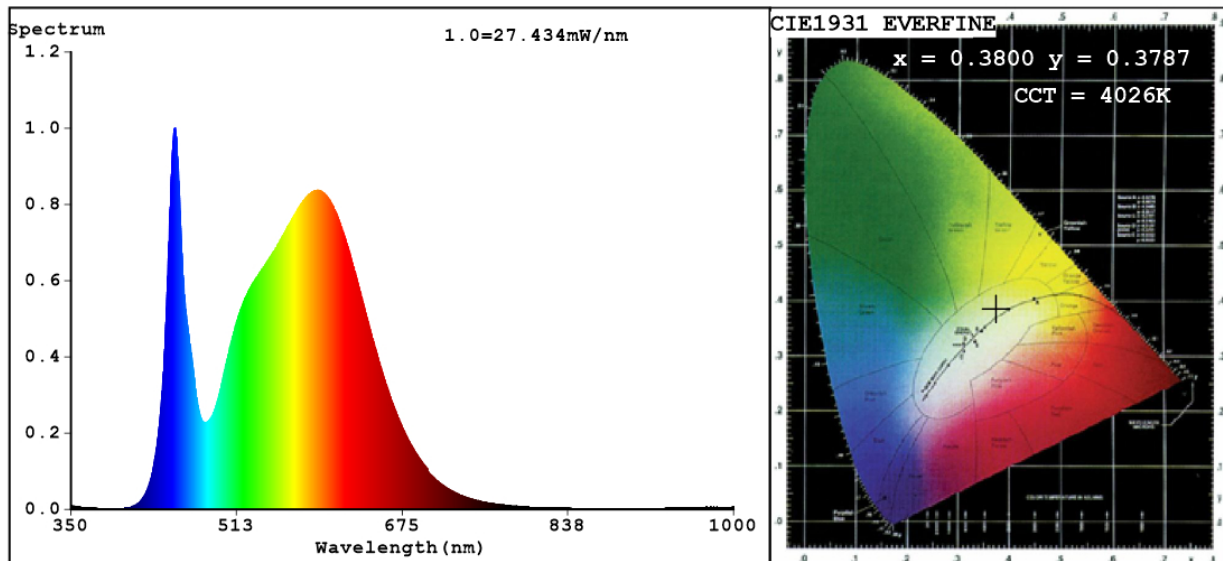
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	D
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 321 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	8,8	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	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)	0,380 0,378	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	1	Survival factor	0,50	
the lumen maintenance factor	0,95			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	4	
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes ^(b)	If yes then replacement claim (W)	90	
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,2	

(a) '-': not applicable;

(b) '-': not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3800$ $y=0.3787$ $u'=0.2240$ $v'=0.5024$
 CCT=4026K (Duv=0.0010) Dominant WL: $L_d = 578.4nm$ WL: $L_c = --nm$ Purity=27.7%
 Ratio: R=17.9% G=78.7% B=3.5% Peak WL: $L_p = 452.3nm$ FWHM=20.3nm
 Render Index: $R_a = 81.0$

R1 =79	R2 =88	R3 =94	R4 =79	R5 =79	R6 =82	R7 =85
R8 =62	R9 =1	R10=70	R11=77	R12=56	R13=81	R14=97
						R15=73

Photo Parameters:

Flux = 1321 lm Eff. : 149.28 lm/W Fe = 3.975 W

Electrical parameters:

V = 229.49 V I = 0.04178 A P = 8.851 W PF = 0.9232

WHITE: ANSI_4000K

Status: Integral T = 45 ms Ip = 50822 (78%)

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

Number: 99LED352MHE
 Date: 2022-08-24 09:33:10
 Humidity: 65.0%
 Remarks: 8756