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: 99LED352M

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	10	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	900 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	9,0	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	81
Outer dimensions without — Height	604	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	28		
Outer dimensions without — Depth	28		

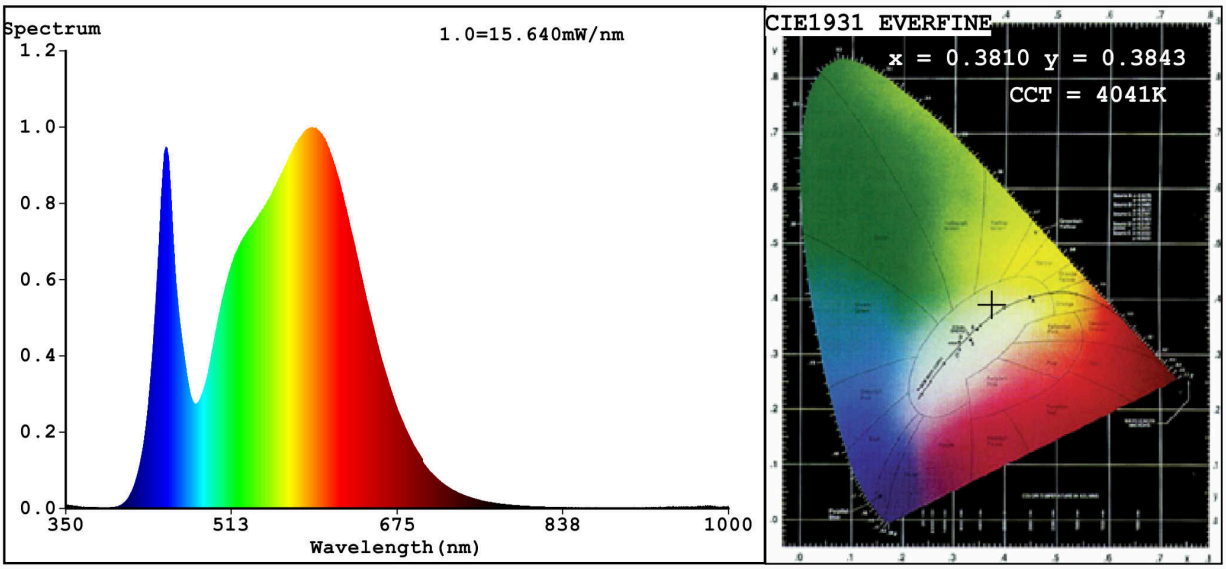
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	70
			Chromaticity coordinates (x and y)	0,380 0,384
Parameters for LED and OLED light sources:				
R9 colour rendering index value		1	Survival factor	0,90
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		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)	65
Flicker metric (Pst LM)		0,0	Stroboscopic effect metric (SVM)	0,0

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

EVERFINE HAAS-1200 Test Report

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3810 y=0.3843/u'=0.2225 v'=0.5050

CCT=4041K(Duv=0.0034) Dominant WL:Ld =577.2nm WL:Lc = --nm Purity=29.7%

Ratio:R=17.7% G=78.8% B=3.4%¡¡Peak WL:Lp=591.8nm FWHM=149.7nm

Render Index:Ra=81.6

R1 =79	R2 =87	R3 =94	R4 =81	R5 =80	R6 =83	R7 =86	
R8 =63	R9 =1	R10=70	R11=80	R12=63	R13=81	R14=97	R15=72

Photo Parameters:

Flux = 909.6 lm Eff. : 94.68 lm/W Fe = 2.738 W

Electrical parameters:

V = 219.96 V I = 0.04568 A P = 9.606 W PF = 0.9560

WHITE:ANSI_4000K

Status: Integral T = 49 ms Ip = 38656 (59%)

Model:LED TUBE	Number:99LED352M
Tester:Atanas DAKOV	Date:2020-10-13 09:16:37
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6856