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: 9MOD36W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LED		
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

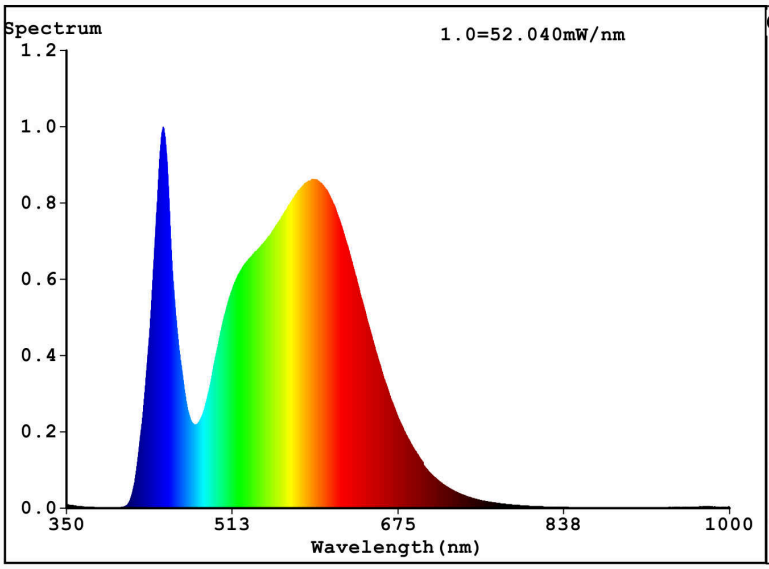
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	36	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 600 in Wide cone (120°)	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	37,2	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	82
Outer dimensions without — Height	1 215	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	54		
Outer dimensions without — Depth	34		

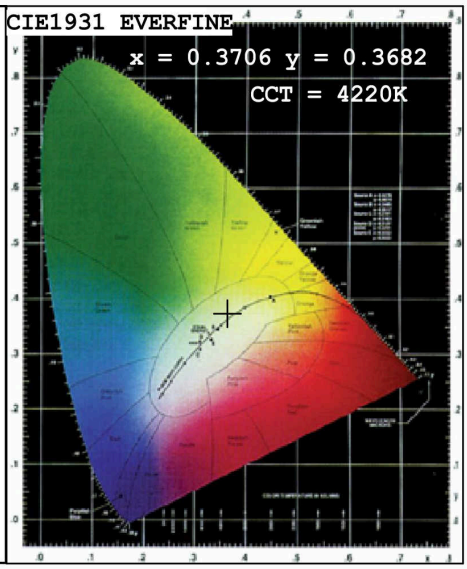
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,370 0,368
Parameters for LED and OLED light sources:				
R9 colour rendering index value		11	Survival factor	0,50
the lumen maintenance factor		0,90		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,60	Colour consistency in McAdam ellipses	1
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=0.3706 y=0.3682/u'=0.2220 v'=0.4963

CCT=4220K(Duv=-0.0010) Dominant WL:Ld =578.9nm WL:Lc = --nm Purity=21.7%

Ratio:R=17.7% G=78.9% B=3.4%¡¡Peak WL:Lp=444.8nm FWHM=24.9nm

Render Index:Ra=82.5

R1 =81	R2 =86	R3 =91	R4 =84	R5 =82	R6 =82	R7 =86	
R8 =67	R9 =11	R10=69	R11=84	R12=68	R13=82	R14=95	R15=76

Photo Parameters:

Flux = 2658 lm Eff. : 71.30 lm/W Fe = 8.283 W

Electrical parameters:

V = 219.96 V I = 0.2484 A P = 37.27 W PF = 0.6822

WHITE:ANSI_4000K

Status: Integral T = 16 ms Ip = 34662 (53%)

Model:LED INTERIOR LIGHTING	Number:9MOD36W
Tester:Atanas DAKOV	Date:2021-04-14 11:09:35
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:7467