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: 92M6215W36

Type of light source:

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

Product parameters

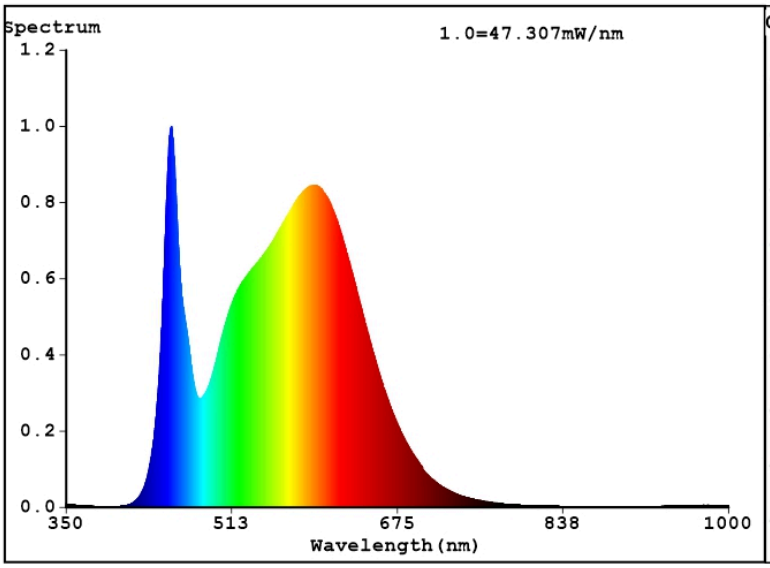
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	18	Energy efficiency class	E
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	2 160 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	4 000
On-mode power (P_{on}), expressed in W	17,4	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	83
Outer dimensions without — Height	50	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	68		
Outer dimensions without — Depth	68		

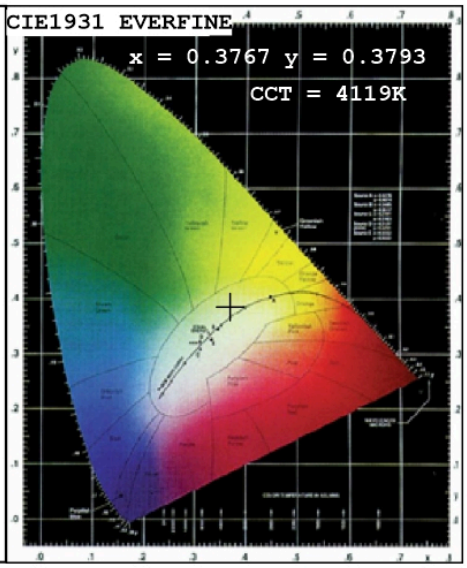
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,376 0,379
Parameters for directional light sources:				
Peak luminous intensity (cd)		453	Beam angle in degrees, or the range of beam angles that can be set	36
Parameters for LED and OLED light sources:				
R9 colour rendering index value		7	Survival factor	0,90
the lumen maintenance factor		0,93		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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=0.3767 y=0.3793/u'=0.2217 v'=0.5021

CCT=4119K(Duv=0.0023) Dominant WL:Ld =577.3nm WL:Lc = --nm Purity=26.9%

Ratio:R=17.8% G=78.3% B=3.9%¡¡Peak WL:Lp=453.3nm FWHM=22.2nm

Render Index:Ra=83.0 AvgR=76.2 TM30:Rf=84 Rg=94 Lav=567.7nm

R1 =81	R2 =90	R3 =96	R4 =81	R5 =81	R6 =86	R7 =86	
R8 =64	R9 =7	R10=76	R11=79	R12=59	R13=84	R14=98	R15=75

Photo Parameters:

Flux = 2332 lm Eff. : 134.04 lm/W Fe = 7.055 W

Electrical parameters:

V = 219.99 V I = 0.1973 A P = 17.40 W PF = 0.4008

WHITE:ANSI_4000K

Status: Integral T = 24 ms Ip = 47774 (73%)

Model: LED INTERIOR LIGHTING
Tester:Atanas DAKOV
Temperature:25.3Deg
Manufacturer:ELMARK

Number:92M6215W36
Date:2022-02-04 11:47:58
Humidity:65.0%
Remarks:8369