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: 95204609

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
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

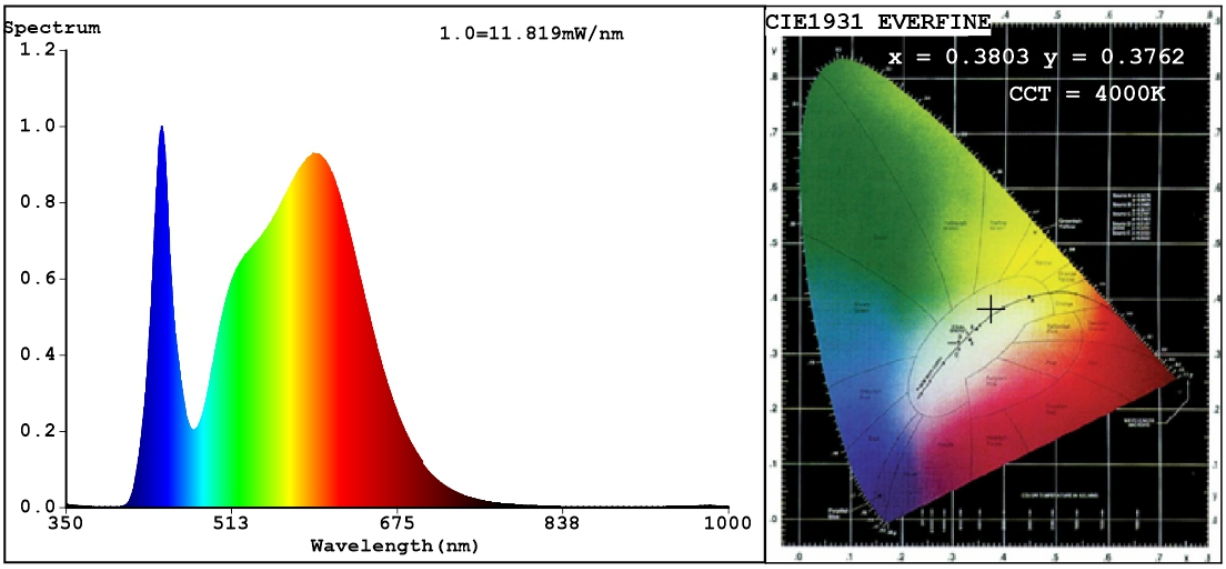
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	G
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	650 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	10,0	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	82
Outer dimensions without separate control gear, lighting control — Height	610	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Outer dimensions without separate control gear, lighting control — Width	65		
Outer dimensions without separate control gear, lighting control — Depth	40		

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 0,376
Parameters for directional light sources:				
Peak luminous intensity (cd)		443	Beam angle in degrees, or the range of beam angles that can be set	90
Parameters for LED and OLED light sources:				
R9 colour rendering index value		7	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,80	Colour consistency in McAdam ellipses	4
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=0.3803 y=0.3762/u'=0.2252 v'=0.5013

CCT=4000K(Duv=-0.0002) Dominant WL:Ld =579.2nm Purity=27.0%

Ratio:R=18.3% G=78.5% B=3.2%¡¡Peak WL:Lp=443.8nm FWHM=22.8nm

Render Index:Ra=82.1

R1 =81	R2 =86	R3 =92	R4 =83	R5 =81	R6 =83	R7 =85	
R8 =65	R9 =7	R10=69	R11=84	R12=68	R13=82	R14=95	R15=74

Photo Parameters:

Flux = 633.9 lm Eff. : 63.37 lm/W Fe = 1.939 W

Electrical parameters:

V = 220.03 V I = 0.05077 A P = 10.00 W PF = 0.8954

WHITE:ANSI_4000K

Status: Integral T = 63 ms Ip = 48024 (73%)

Model:Commercial LED Fixtures/9W	Number:95204609
Tester:Petya Marinova	Date:2016-12-12 09:51
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O16V037_3303