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: 99RING11504096/WH

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

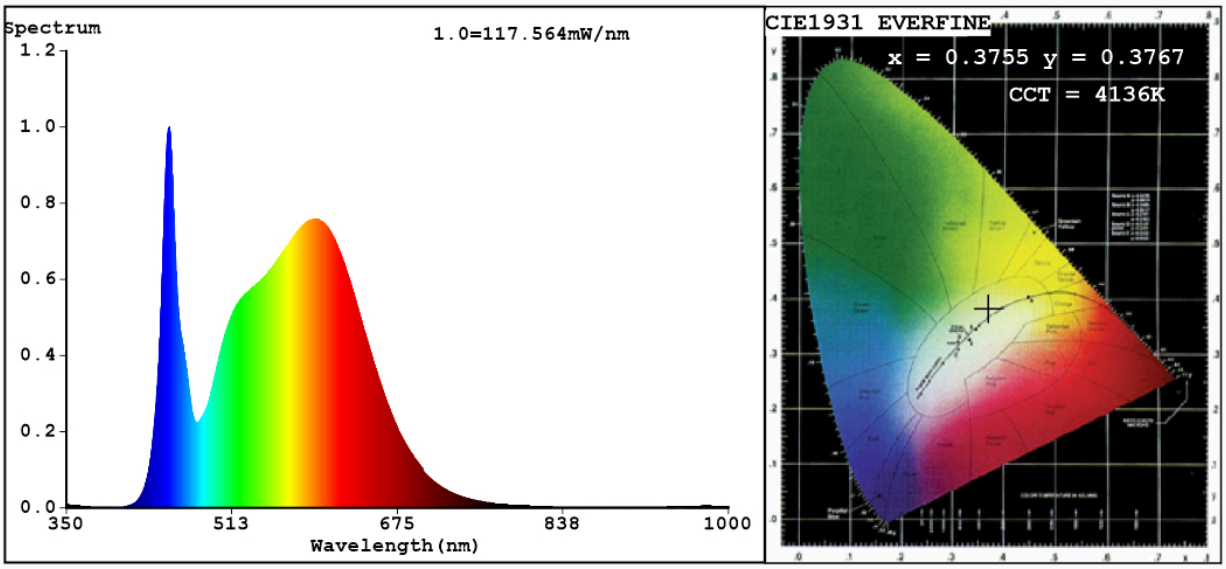
Parameter		Value	Parameter	Value
General product parameters:				
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer		63	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)		5 270 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		57,0	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	84
Outer dimensions without separate control gear, lighting control	Height	1 150	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width	25		
	Depth	25		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,375 0,376
Parameters for directional light sources:				
Peak luminous intensity (cd)		451	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		13	Survival factor	0,50
the lumen maintenance factor		0,95		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,90	Colour consistency in McAdam ellipses	2
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)		0,2	Stroboscopic effect metric (SVM)	0,4

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

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

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate:x=0.3755 y=0.3767/u'=0.2219 v'=0.5008

CCT=4136K(Duv=0.0015) Dominant WL:Ld =577.7nm WL:Lc = --nm Purity=25.7%

Ratio:R=18.0% G=78.3% B=3.7%¡¡Peak WL:Lp=451.3nm FWHM=17.9nm

Render Index:Ra=84.1

R1 =83	R2 =90	R3 =95	R4 =83	R5 =83	R6 =86	R7 =87	
R8 =67	R9 =13	R10=75	R11=83	R12=61	R13=84	R14=97	R15=77

Photo Parameters:

Flux = 5270 lm Eff. : 92.38 lm/W Fe = 16.10 W

Electrical parameters:

V = 229.25 V I = 0.2553 A P = 57.05 W PF = 0.9746

WHITE:ANSI_4000K

Status: Integral T = 12 ms Ip = 52888 (81%)

Model:LED INDOOR LIGHTING	Number:96RING11504096/WH
Tester:Atanas DAKOV	Date:2022-08-23 10:50:41
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:9170 order