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: 969LED100R/GR

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

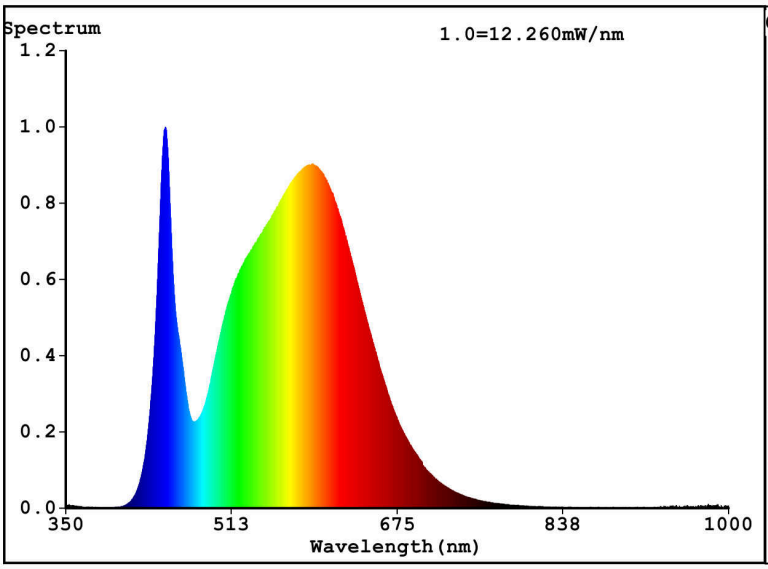
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	700 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	9,3	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	80
Outer dimensions without: Height	130	Spectral power distribution in the	See image in last page
Width	110		
Depth	100		

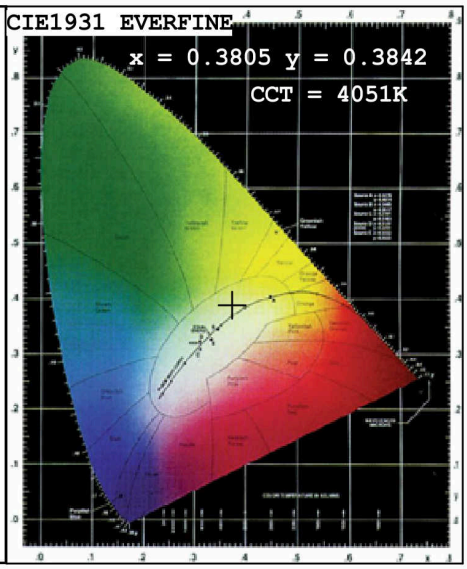
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,380 0,384
Parameters for directional light sources:				
Peak luminous intensity (cd)		447	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,53
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	5
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=0.3805 y=0.3842/u'=0.2222 v'=0.5048

CCT=4051K(Duv=0.0034) Dominant WL:Ld =577.1nm Purity=29.5%

Ratio:R=17.6% G=79.1% B=3.3%¡¡Peak WL:Lp=447.6nm FWHM=19.9nm

Render Index:Ra=80.4

R1 =78	R2 =86	R3 =93	R4 =80	R5 =78	R6 =81	R7 =86	
R8 =62	R9 =0	R10=67	R11=79	R12=59	R13=79	R14=96	R15=71

Photo Parameters:

Flux = 648.3 lm Eff. : 69.58 lm/W Fe = 1.939 W

Electrical parameters:

V = 229.88 V I = 0.04288 A P = 9.316 W PF = 0.9450

WHITE:ANSI_4000K

Status: Integral T = 72 ms Ip = 51603 (79%)

Model:LED WALL LIGHT/2*5W	Number:969LED100R/WH
Tester:Petya Marinova	Date:2018-10-23 15:41
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:O18V022B_4869