

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: 969LED100S/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:	Yes	Dimmable:	No

Product parameters

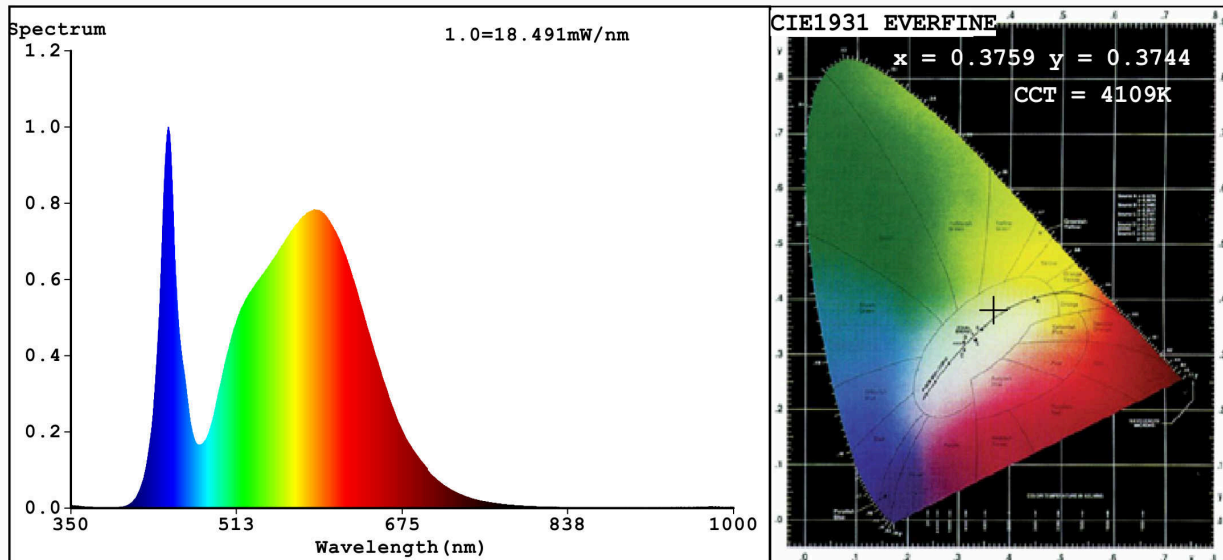
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	900 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	11,4	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	79
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

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)	0,375 0,374	
Parameters for directional light sources:				
Peak luminous intensity (cd)	445	Beam angle in degrees, or the range of beam angles that can be set	60	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	1	Survival factor	0,50	
the lumen maintenance factor	0,93			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,25	Colour consistency in McAdam ellipses	6	
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: $x=0.3759$ $y=0.3744/u'=0.2231$ $v'=0.4999$
 $CCT=4109K$ ($Duv=0.0002$) Dominant WL: $L_d = 578.5nm$ WL: $L_c = --nm$ Purity=25.2%
Ratio: $R=17.6\%$ $G=79.3\%$ $B=3.1\%$; Peak WL: $L_p=445.5nm$ FWHM=18.8nm
Render Index: $R_a=79.9$ $AvgR=72.7$ TM30: $R_f=81$ $R_g=97$ $L_{av}=567.3nm$

$R_1 = 78$ $R_2 = 85$ $R_3 = 90$ $R_4 = 81$ $R_5 = 79$ $R_6 = 79$ $R_7 = 85$
 $R_8 = 64$ $R_9 = 1$ $R_{10} = 64$ $R_{11} = 80$ $R_{12} = 60$ $R_{13} = 79$ $R_{14} = 94$ $R_{15} = 72$

Photo Parameters:

Flux = 848.6 lm Eff. : 74.10 lm/W $F_e = 2.576 W$

Electrical parameters:

$V = 225.23 V$ $I = 0.1973 A$ $P = 11.45 W$ PF = 0.2578

WHITE: ANSI_4000K

Status: Integral T = 67 ms $I_p = 50957 (78\%)$

Model: LED WALL LAMP
Tester: Atanas DAKOV
Temperature: 25.3Deg
Manufacturer: ELMARK

Number: 969LED100S
Date: 2021-08-25 11:24:39
Humidity: 65.0%
Remarks: 7687