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: 99LED609IP65

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

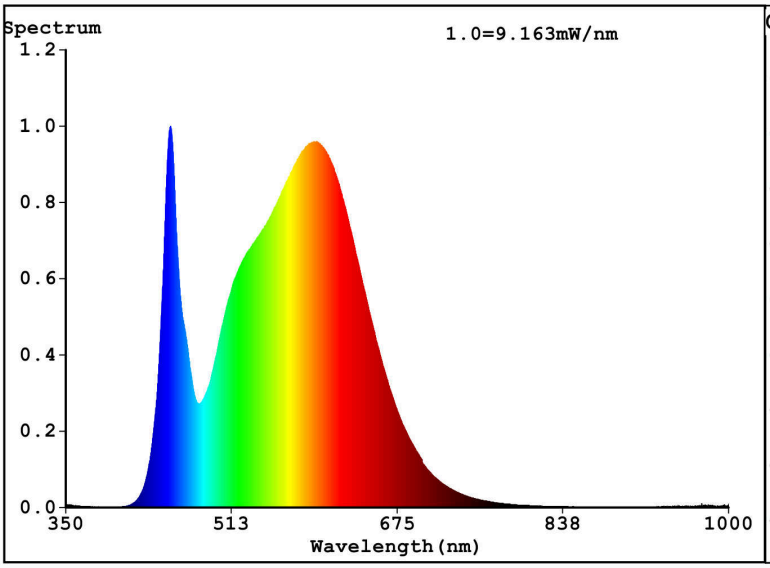
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	500 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	5,6	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 — Height	88	Spectral power distribution in the	See image in last page
Outer dimensions without — Width	88		
Outer dimensions without — Depth	30		

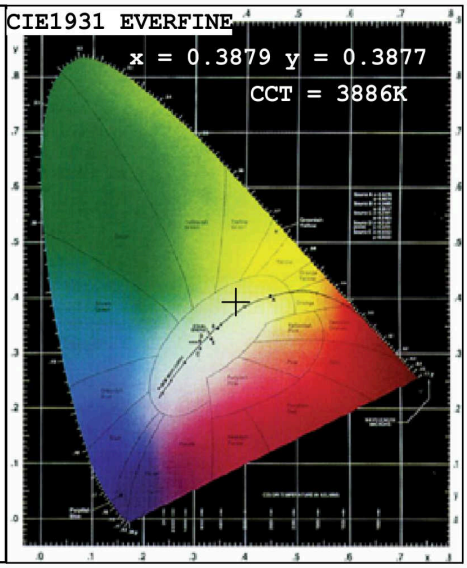
separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)			range 250 nm to 800 nm, at full-load	
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,387 0,387
Parameters for directional light sources:				
Peak luminous intensity (cd)		452	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		5	Survival factor	0,50
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	3
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=0.3879 y=0.3877/u'=0.2256 v'=0.5074

CCT=3886K(Duv=0.0029) Dominant WL:Ld =578.1nm WL:Lc = --nm Purity=32.8%

Ratio:R=18.4% G=78.1% B=3.5%¡¡Peak WL:Lp=452.7nm FWHM=21.3nm

Render Index:Ra=82.3

R1 =80	R2 =89	R3 =96	R4 =80	R5 =80	R6 =85	R7 =86	
R8 =63	R9 =5	R10=74	R11=79	R12=59	R13=82	R14=98	R15=73

Photo Parameters:

Flux = 503.5 lm Eff. : 89.46 lm/W Fe = 1.506 W

Electrical parameters:

V = 220.02 V I = 0.04902 A P = 5.628 W PF = 0.5218

WHITE:ANSI_4000K

Status: Integral T = 112 ms Ip = 51137 (78%)

Model:LED PANELROUND IP65	Number:99LED609IP65
Tester:Atanas DAKOV	Date:2020-04-15 10:02:10
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:ELMARK	Remarks:6476