Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: LED PLUS

Supplier's address: Tomasz Zaleski, Piołunowa 20, 54-530 Wrocław, PL

Model identifier: SW019FS - Tube T8 90cm 14W 3000K 1S NANO

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	LED SMD2835		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
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	14	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)	1 400 in Sphere (360°)	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	2800...3200
On-mode power (P_{on}), expressed in W	14,0	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	0,00	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	75
Outer dimensions without separate control gear, lighting control — Height	26	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	900		
Outer dimensions without separate control gear, lighting control — Depth	26		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[a]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,420 0,380
Parameters for LED and OLED light sources:				
R9 colour rendering index value		60	Survival factor	1,00
the lumen maintenance factor		1,00		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,50	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)		0,9	Stroboscopic effect metric (SVM)	0,3

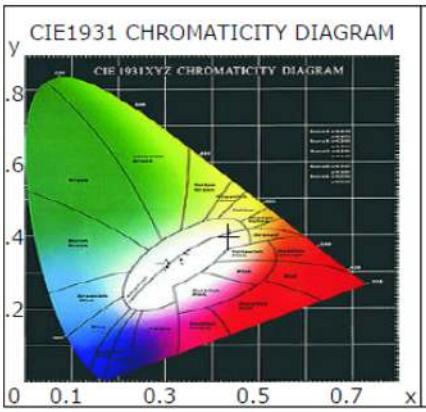
[a] '-' : not applicable;

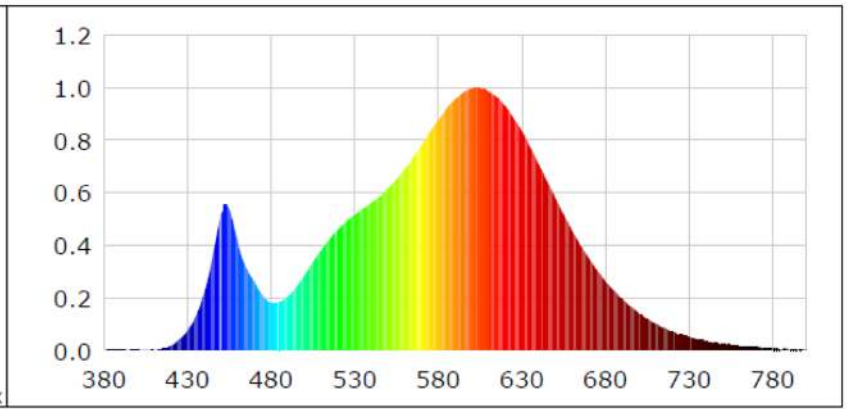
[b] '-' : not applicable;

CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4355 y=0.4023 u(u')=0.2504 v=0.3470 v'=0.5205
CCT: Tc=3010K (duv=-0.00050) Color Ratio: R=0.228 G=0.748 B=0.025
Peak Wavelength: 603nm Half Bandwidth: 129.6nm
Dominant Wavelength: 602.3nm Color Purity: 0.515
CRI: Ri: Ra= 81.8

R1 =80	R2 =90	R3 =97	R4 =80	R5 =80	R6 =88	R7 =82	R8 =58
R9 =5	R10=77	R11=78	R12=68	R13=82	R14=99	R15=73	





Photometric Parameters

Luminous Flux: 1510.4 lm Efficiency: 107.89 lm/W Radiant Power: 4.540 W

Model placed on the Union market from 19/05/2019

EPREL registration number: 944145

https://eprel.ec.europa.eu/qr/944145

Supplier: Onled Spółka z ograniczoną odpowiedzialnością (Importer)

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