

Product Information Sheet

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

Supplier's name or trade mark: SPL

Supplier's address: Schiefer Lighting, Potterbakkerstraat 35, 4871EP Etten-Leur, NL

Model identifier: LF023821509-1

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
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:	Only with specific dimmers

Product parameters

Parameter	Value	Parameter	Value
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General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	2	Energy efficiency class	G
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°)	120 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	2 200
On-mode power (P_{on}), expressed in W	2,0	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	93
Outer dimensions without separate control gear, light-	Height	75	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	45	
	Depth	45	
			See image in last page

ing control parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,496 0,404
Parameters for LED and OLED light sources:			
R9 colour rendering index value	62	Survival factor	0,96
the lumen maintenance factor	0,96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,75	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)	0,1	Stroboscopic effect metric (SVM)	0,3

(a): not applicable;

(b): not applicable;



SPL Spectrum Test Report

Sample : 1-1
Specification : LF023821509-1
Sample No. : LF023821509-1
Manufacturer : Freelighting

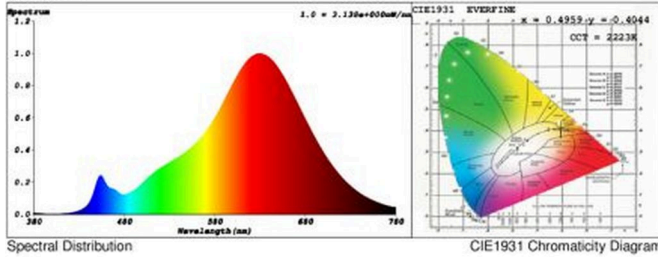
Date : 2017-10-16 16:40:38
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by :
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 58767 (90%)
T : 156 ms
Sensitivity : High

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4959$ $y = 0.4044$ / $u' = 0.2891$ $v' = 0.5305$ ($duv = -3.52e-03$)
CCT = 2223K Prcp WL: $L_d = 588.3\text{nm}$ Purity = 70.2%
Peak WL: $L_p = 629\text{nm}$ FWHM: $= 120.4\text{nm}$ Ratio: R=31.8% G=66.2% B=2.0%

Render Index: $R_a = 92.8$

R1 = 96 R2 = 99 R3 = 95 R4 = 94 R5 = 97 R6 = 94 R7 = 88
R8 = 80 R9 = 62 R10 = 98 R11 = 97 R12 = 89 R13 = 97 R14 = 99 R15 = 90
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 116.53 lm Eff. : 65.43 lm/W $F_e = 460.13\text{ mW}$

Electrical parameters

V = 240.0 V I = 0.008828 A P = 1.781 W PF = 0.8407

Schiefer Professional Lighting
www.professional-lighting.eu