

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: L027241521

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:	No

Product parameters

Parameter	Value	Parameter	Value
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°)	100 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	3 000
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	80
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)	0,424 0,394
Parameters for LED and OLED light sources:			
R9 colour rendering index value	8	Survival factor	0,90
the lumen maintenance factor	0,90		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,30	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)	0,3	Stroboscopic effect metric (SVM)	0,3

(a): not applicable;

(b): not applicable;

SPL Spectrum Test Report

Sample :
 Specification : L027241521
 Sample No. : L027241521 03
 Manufacturer :

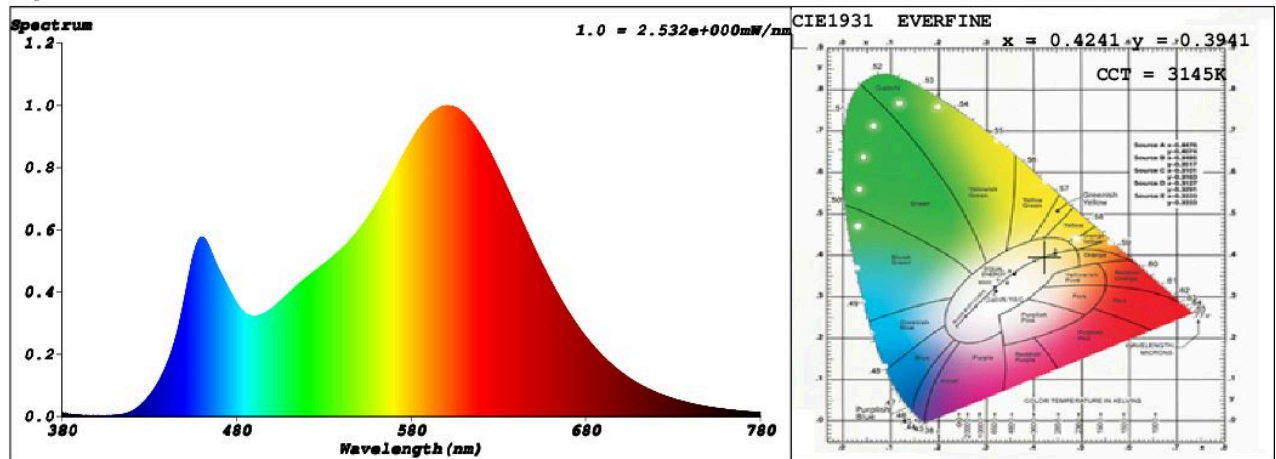
Date : 2018-08-01 15:01:37
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by :
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 46774 (71%)
 T : 156 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4241$ $y = 0.3941$ / $u' = 0.2465$ $v' = 0.5155$ ($duv = -2.14e-03$)
 CCT= 3145K Prcp WL: $L_d = 583.1nm$ Purity=45.6%
 Peak WL: $L_p = 601nm$ FWHM: =122.5nm Ratio:R=22.3% G=74.1% B=3.6%

Render Index: $R_a = 82.5$

R1 =83 R2 =96 R3 =90 R4 =78 R5 =83 R6 =94 R7 =79
 R8 =57 R9 =8 R10=90 R11=77 R12=76 R13=86 R14=95 R15=75
 LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 124.57 lm Eff. : 67.72 lm/W $F_e = 383.83$ mW

Electrical parameters

V = 230.1 V I = 0.04729 A P = 1.839 W PF = 0.1690

Schiefer Professional Lighting

www.professional-lighting.eu