

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: L643090040

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	GU10		
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	4	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°)	440 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	4 000
On-mode power (P_{on}), expressed in W	4,2	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 separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,380 0,380	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	10	Survival factor	0,90	
the lumen maintenance factor	0,96			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	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)	1,0	Stroboscopic effect metric (SVM)	0,4	

(a) '-': not applicable;

(b) '-': not applicable;

SPL Spectrum Test Report

Sample :
Specification : L643090040
Sample No. : 2
Manufacturer :

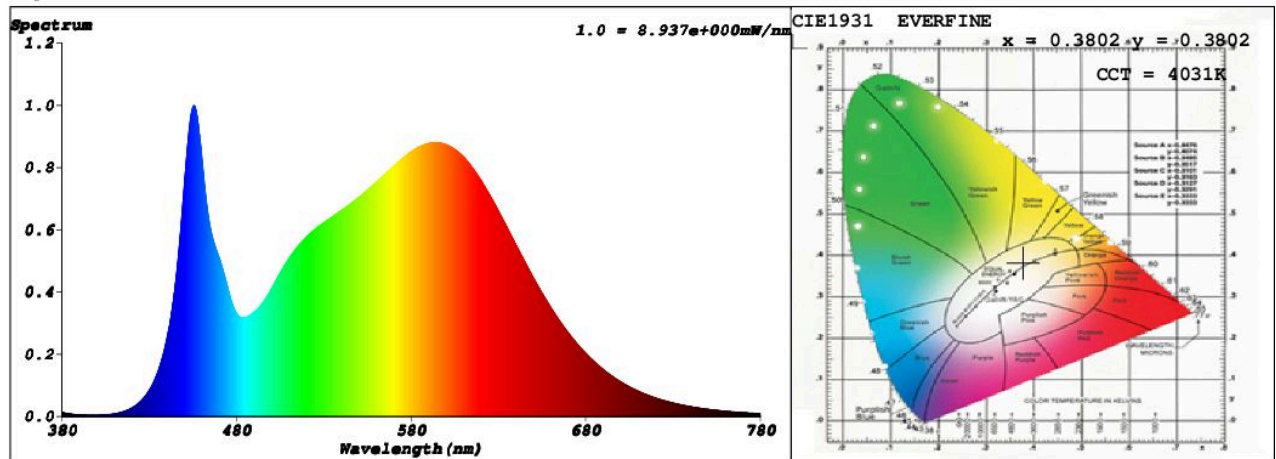
Date : 2021-08-13 09:08:01
Sam. Status :
Instrument : HaasSuite(EVERFINE)
Test by : Renee
Assessor : damin

Test Condition

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

RH : 65.0%
IP : 50700 (77%)
T : 59 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3802$ $y = 0.3802$ / $u' = 0.2236$ $v' = 0.5031$ ($duv=1.68e-03$)

CCT= 4031K Prcp WL: $L_d=578.0nm$ Purity=28.2%

Peak WL: $L_p=456nm$ FWHM: $=24.6nm$ Ratio: $R=18.2\%$ $G=77.7\%$ $B=4.0\%$

Render Index: $R_a = 83.4$

$R_1 = 82$ $R_2 = 92$ $R_3 = 96$ $R_4 = 80$ $R_5 = 81$ $R_6 = 88$ $R_7 = 85$

$R_8 = 64$ $R_9 = 10$ $R_{10} = 79$ $R_{11} = 78$ $R_{12} = 61$ $R_{13} = 85$ $R_{14} = 98$ $R_{15} = 76$

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 455.27 lm Eff. : 178.33 lm/W $\Phi_e = 1.3810 W$

Electrical parameters

V = 229.8 V I = 0.02142 A P = 2.553 W PF = 0.5186

Schiefer Professional Lighting

www.spl-lighting.com