

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: L642788808

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
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:	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	5	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°)	210 in Narrow cone (90°)	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	2 700
On-mode power (P_{on}), expressed in W	5,0	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	95
Outer dimensions without separate control gear, light-	Height	58	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	50	
			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)	0,464 0,414
Parameters for directional light sources:			
Peak luminous intensity (cd)	420	Beam angle in degrees, or the range of beam angles that can be set	30...80
Parameters for LED and OLED light sources:			
R9 colour rendering index value	83	Survival factor	0,90
the lumen maintenance factor	0,90		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,60	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)	0,5	Stroboscopic effect metric (SVM)	0,4

(a)'.': not applicable;

(b)'.': not applicable;

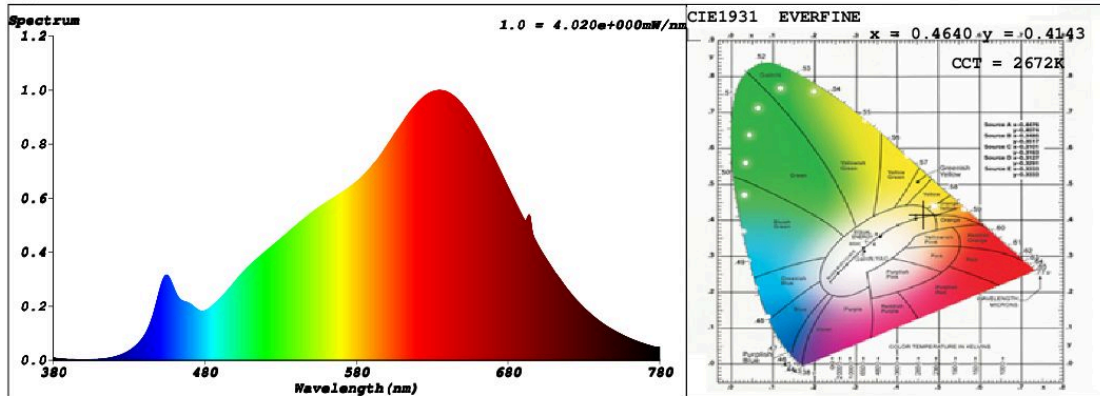
SPL Spectrum Test Report

Sample	:	Date	: 2021-06-30 16:11:39
Specification	:	Sam. Status	:
Sample No.	:	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	: Renee
		Assessor	: damin

Test Condition

Temperature	: 25.3Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 47933 (73%)
Test Mode	: Fast Test	T	: 109 ms
		Sensitivity	: High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4640$ $y = 0.4143$ / $u' = 0.2635$ $v' = 0.5294$ ($duv=1.03e-03$)

CCT= 2672K Prcp WL: $L_d=584.0nm$ Purity=63.6%

Peak WL: $L_p=635nm$ FWHM: =155.2nm Ratio:R=27.1% G=70.4% B=2.5%

Render Index: $R_a = 97.0$

R1 =98 R2 =99 R3 =97 R4 =98 R5 =97 R6 =98 R7 =97

R8 =92 R9 =83 R10=95 R11=99 R12=86 R13=98 R14=97 R15=95

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 173.43 lm Eff. : 40.05 lm/W $F_e = 660.76$ mW

Electrical parameters

V = 229.8 V I = 0.03154 A P = 4.330 W PF = 0.5973

Schiefer Professional Lighting

www.spl-lighting.com