

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: L647800530

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	R7s		
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	5	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°)	490 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	5,1	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	15	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	78	
	Depth	15	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,441 0,402
Parameters for LED and OLED light sources:			
R9 colour rendering index value	2	Survival factor	0,90
the lumen maintenance factor	0,93		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,50	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)	1,0	Stroboscopic effect metric (SVM)	0,4

(a)-: not applicable;

(b)-: not applicable;

SPL Spectrum Test Report

Sample :
 Specification : L647800530
 Sample No. : 1
 Manufacturer :

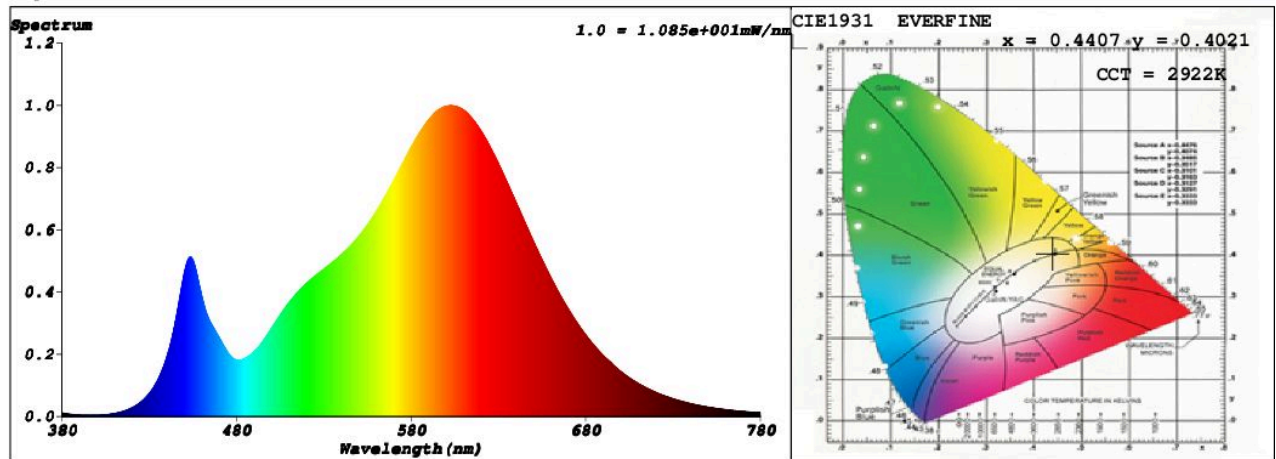
Date : 2021-08-12 08:52:52
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : Renee
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 48721 (74%)
 T : 42 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4407$ $y = 0.4021$ / $u' = 0.2538$ $v' = 0.5212$ ($duv = -1.27e-03$)
 CCT= 2922K Prcp WL: $L_d = 583.6nm$ Purity=53.0%
 Peak WL: $L_p = 602nm$ FWHM: =119.7nm Ratio:R=23.3% G=74.2% B=2.5%

Render Index: $R_a = 81.2$

R1 =80 R2 =91 R3 =95 R4 =78 R5 =80 R6 =89 R7 =81
 R8 =56 R9 =2 R10=80 R11=77 R12=71 R13=82 R14=98 R15=72
 LEVEL:OUT WHITE:ANSI_3000K

Photometric & Radiometric Parameters

Flux = 516.76 lm Eff. : 172.92 lm/W Fe = 1.5687 W

Electrical parameters

V = 229.8 V I = 0.02555 A P = 2.988 W PF = 0.5088

Schiefer Professional Lighting

www.spl-lighting.com