

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: Sales, Potterbakkerstraat 35, 4871EP Etten-Leur Noord Brabant, NL

Model identifier: L643090065

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	6 500
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	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)	0,313
Parameters for LED and OLED light sources:				
R9 colour rendering index value	11		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 : L643090065
 Sample No. : 4
 Manufacturer :

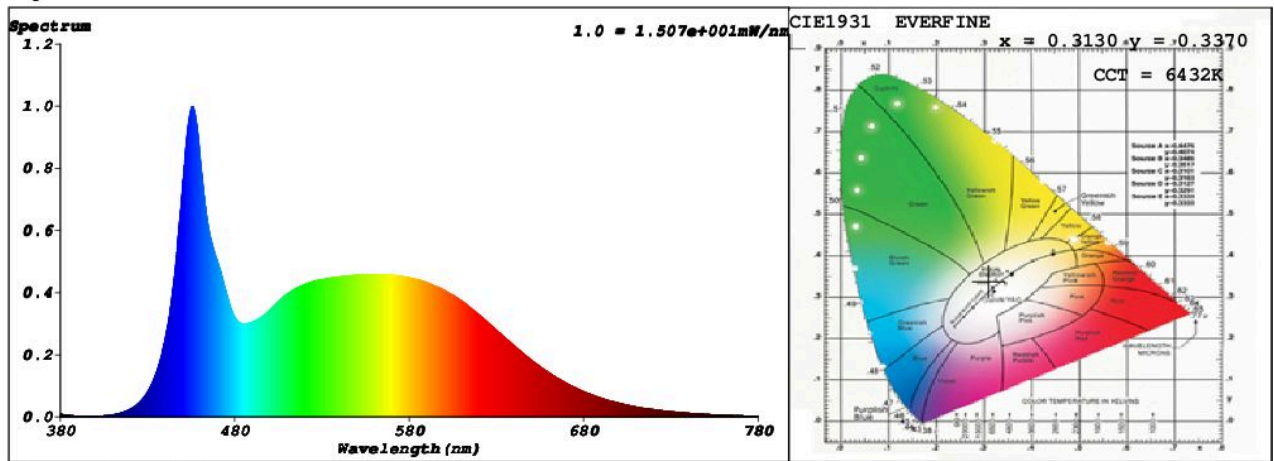
Date : 2021-08-13 09:20:29
 Sam. Status :
 Instrument : HaasSuite(EVERFINE)
 Test by : Renee
 Assessor : damin

Test Condition

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

RH : 65.0%
 IP : 49514 (76%)
 T : 59 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3130$ $y = 0.3370$ / $u' = 0.1951$ $v' = 0.4726$ ($duv=7.08e-03$)
 CCT= 6432K Prcp WL: $L_d=494.0nm$ Purity=6.6%
 Peak WL: $L_p=456nm$ FWHM: $=24.3nm$ Ratio:R=13.5% G=80.1% B=6.4%

Render Index: $R_a = 84.3$

R1 =83 R2 =92 R3 =95 R4 =79 R5 =82 R6 =88 R7 =87
 R8 =69 R9 =11 R10=81 R11=79 R12=59 R13=86 R14=97 R15=77
 LEVEL:OUT WHITE:ANSI_6500K

Photometric & Radiometric Parameters

Flux = 458.64 lm Eff. : 176.74 lm/W Fe = 1.4802 W

Electrical parameters

V = 229.8 V I = 0.02151 A P = 2.595 W PF = 0.5251

Schiefer Professional Lighting

www.spl-lighting.com