

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ChiliTec GmbH

Supplier's address: Technik, Bäckerberg 12, 38165 Lehre, DE

Model identifier: 21301

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Plug		
Mains or non-mains:	NMLS	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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	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°)	660 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	3 000
On-mode power (P_{on}), expressed in W	9,0	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	85
Outer dimensions	Height	Spectral power distribution in the	See image in last page
	Width		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	9	range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440
Parameters for LED and OLED light sources:				
R9 colour rendering index value		17	Survival factor	0,50
the lumen maintenance factor		0,70		

(a) : not applicable;

(b) : not applicable;

Lightsource Test Report

Product Information

Product Type: L800S25
Product Number: 1

Product Spec: 3000K

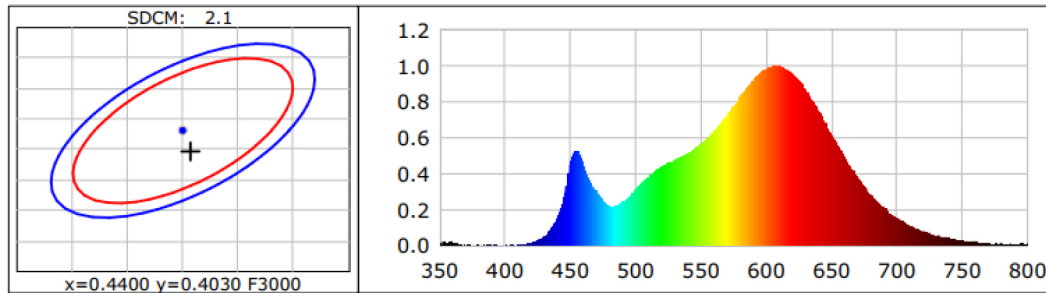
CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4407$ $y=0.3996$ $u(u')=0.2549$ $v=0.3468$ $v'=0.5202$
CCT: $T_c=2901K$ ($duv=-0.00226$) Color Ratio: $R=0.242$ $G=0.730$ $B=0.028$
Peak Wavelength: 607.1nm Half Bandwidth: 122.1nm
Dominant Wavelength: 584.1nm Color Purity: 0.522
Central Wave: 597.7nm Gravity Wave: 607.0nm
CRI: $R_a=84.9$ TM30: $R_f=86$, $R_g=96$
GAI: $GAI_BB_8=99.9$, $GAI_BB_15=107.4$, $GAI_EES=54.6$

R1 =85	R2 =95	R3 =94	R4 =83	R5 =86	R6 =94	R7 =81	R8 =62
R9 =17	R10=88	R11=83	R12=78	R13=87	R14=98	R15=77	

Color Quality Scale: $Q_a=84.2$, $Q_f=85.7$, $Q_p=86.5$, $Q_g=92.6$

Q1 =80	Q2 =94	Q3 =86	Q4 =82	Q5 =85	Q6 =86	Q7 =86	Q8 =87
Q9 =95	Q10=92	Q11=88	Q12=85	Q13=84	Q14=75	Q15=77	



Photometric Parameters

Luminous Flux: 667.32 lm
EEI: 0.11

Efficiency: 108.00 lm/W Radiant Power: 2.067 W
Energy Efficiency Class: A+ (EU 874-2012)

Electric Parameters

Voltage: 12.024V
Power Factor: 1.0000

Current: 0.5139A Power: 6.18W
Frequency: 0.00Hz DF: 0.7068