

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: 21302

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):	Nein
Colour-tuneable light source:	Nein	Envelope:	-
High luminance light source:	Nein		
Anti-glare shield:	Nein	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	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°)	680 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	4 200
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	83
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)	0,380 0,380
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

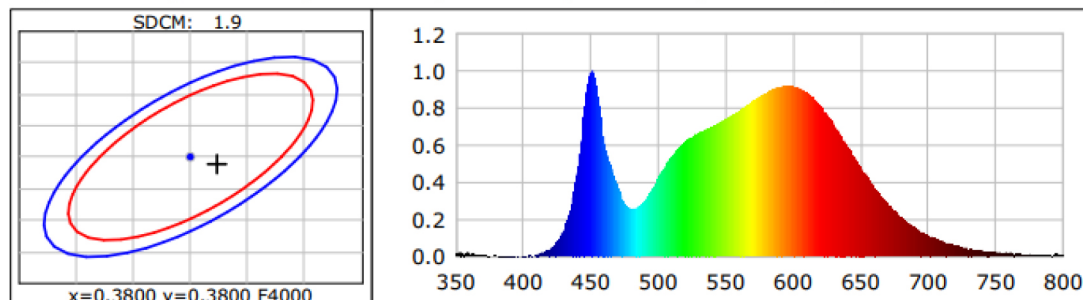
Product Type: L800S25
Product Number: 1

Product Spec: 4000K

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3823$ $y=0.3788$ $u(u')=0.2255$ $v=0.3352$ $v'=0.5028$
CCT: $T_c=3965K$ ($duv=0.00043$) Color Ratio: $R=0.185$ $G=0.780$ $B=0.035$
Peak Wavelength: 450.8nm Half Bandwidth: 22.5nm
Dominant Wavelength: 597.9nm Color Purity: 0.284
Central Wave: 452.3nm Gravity Wave: 451.0nm
CRI: $R_a=83.1$ TM30: $R_f=84$, $R_g=96$
GAI: $GAI_BB_8=92.6$, $GAI_BB_15=99.2$, $GAI_EES=72.5$

R1 =82	R2 =89	R3 =94	R4 =83	R5 =82	R6 =85	R7 =86	R8 =65
R9 =10	R10=73	R11=81	R12=62	R13=83	R14=97	R15=76	
Color Quality Scale: $Q_a=82.9$, $Q_f=83.0$, $Q_p=83.0$, $Q_g=93.2$							
Q1 =82	Q2 =98	Q3 =79	Q4 =76	Q5 =82	Q6 =84	Q7 =85	Q8 =89
Q9 =97	Q10=88	Q11=85	Q12=84	Q13=84	Q14=73	Q15=76	



Photometric Parameters

Luminous Flux: 745.22 lm
EEI: 0.10

Efficiency: 121.47 lm/W
Energy Efficiency Class: A++ (EU 874-2012)

Radiant Power: 2.245 W

Electric Parameters

Voltage: 12.006V
Power Factor: 1.0000

Current: 0.5110A
Frequency: 0.00Hz

Power: 6.14W
DF: 0.7063