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: 21297

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	no		
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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	240 in Wide cone (120°)	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	3,0	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	80
Outer dimensions — Height	37	Spectral power distribution in the	See image in last page
Outer dimensions — Width	340		

without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	35	range 250 nm to 800 nm, at full-load	
Claim of equivalent power[(a)]		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,439 0,399
Parameters for LED and OLED light sources:				
R9 colour rendering index value		6	Survival factor	1,00
the lumen maintenance factor		1,00		

[(a)] '-' : not applicable;

[(b)] '-' : not applicable;

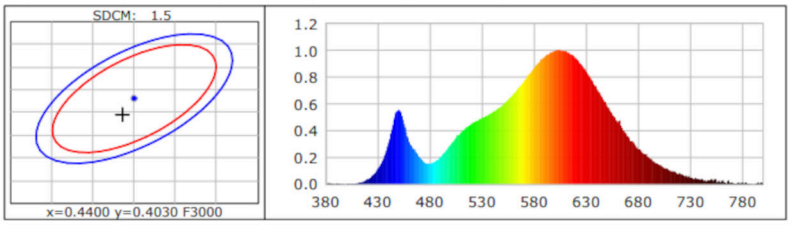
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.4386 y=0.3995 u(u')=0.2536 v=0.3465 v'=0.5198
CCT: Tc=2935K (duv=-0.00204) Color Ratio: R=0.234 G=0.743 B=0.023
Peak Wavelength: 604.9nm Half Bandwidth: 124.0nm
Dominant Wavelength: 583.8nm Color Purity: 0.516
CRI: Ra= 82.0 TM30: Rf= 83, Rg= 98
GAI: GAI_BB_8=100.3, GAI_BB_15=106.0, GAI_EES=55.8

R1 =80	R2 =90	R3 =96	R4 =80	R5 =81	R6 =89	R7 =81	R8 =58
R9 =6	R10=78	R11=80	R12=72	R13=83	R14=99	R15=73	

Color Quality Scale: Qa= 81.0, Qf= 82.0, Qp= 84.1, Qg= 93.4

Q1 =77	Q2 =96	Q3 =81	Q4 =79	Q5 =82	Q6 =82	Q7 =81	Q8 =84
Q9 =96	Q10=88	Q11=84	Q12=81	Q13=81	Q14=71	Q15=73	



Photometric Parameters

Luminous Flux: 271.69 lm Efficiency: 92.19 lm/W Radiant Power: 0.824 W
EEI: 0.11 Energy Efficiency Class: A++ (EU 874-2012)
PAR: 0.803 W PPF: 3.875 umol/s R/B: 2.9
PF1:0.432 umol/s(400~500nm) PF2:1.682 umol/s(500~600nm)
PF3:1.761 umol/s(600~700nm) PFfr:0.125 umol/s(700~800nm) PPE:1.315 umol/s/w PF:4.002 umol/s

Electric Parameters

Voltage: 12.000V Current: 0.2456A Power: 2.95W
Power Factor: 1.0000 Frequency: 0.00Hz