

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: 21298

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
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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 (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	260 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	83
Outer dimensions	Height	Spectral power distribution in the	See image in last page
	Width		

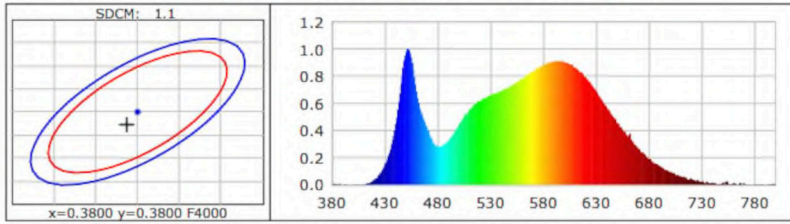
without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Depth	37	range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)		-	If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,378 0,377
Parameters for LED and OLED light sources:				
R9 colour rendering index value		8	Survival factor	1,00
the lumen maintenance factor		1,00		

(a) : not applicable;

(b) : not applicable;

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3787$ $y=0.3772$ $u(u')=0.2238$ $v=0.3344$ $v'=0.5015$
 CCT: $T_c=4052K$ ($duv=0.00074$) Color Ratio: $R=0.182$ $G=0.781$ $B=0.037$
 Peak Wavelength: $452.2nm$ Half Bandwidth: $23.9nm$
 Dominant Wavelength: $578.5nm$ Color Purity: 0.269
 CRI: $Ra=83.3$ TM30: $Rf=84$, $Rg=95$
 GAI: $GAI_BB_8=91.3$, $GAI_BB_15=98.1$, $GAI_EES=72.7$
 R1 =82 R2 =90 R3 =95 R4 =82 R5 =82 R6 =86 R7 =86 R8 =64
 R9 =8 R10=75 R11=81 R12=62 R13=84 R14=98 R15=75
 Color Quality Scale: $Qa=82.9$, $Qf=83.2$, $Qp=82.5$, $Qg=92.2$
 Q1 =82 Q2 =98 Q3 =80 Q4 =76 Q5 =81 Q6 =83 Q7 =85 Q8 =89
 Q9 =98 Q10=89 Q11=86 Q12=84 Q13=84 Q14=73 Q15=76



Photometric Parameters

Luminous Flux: 278.98 lm Efficiency: 94.06 lm/W Radiant Power: 0.834 W
 EEI: 0.10 Energy Efficiency Class: **A++** (EU 874-2012)
 PAR: 0.824 W PPF: 3.848 $\mu mol/s$ R/B: 1.4
 PF1: 0.708 $\mu mol/s(400\sim 500nm)$ PF2: 1.802 $\mu mol/s(500\sim 600nm)$
 PF3: 1.338 $\mu mol/s(600\sim 700nm)$ PFfr: 0.061 $\mu mol/s(700\sim 800nm)$ PPE: 1.297 $\mu mol/s/w$ PF: 3.910 $\mu mol/s$

Electric Parameters

Voltage: $12.000V$ Current: $0.2472A$ Power: $2.97W$
 Power Factor: 1.0000 Frequency: $0.00Hz$