

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: 23277

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Wire		
Mains or non-mains:	MLS	Connected light source (CLS):	Nein
Colour-tuneable light source:	Nein	Envelope:	-
High luminance light source:	Nein		
Anti-glare shield:	Nein	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	5	Energy efficiency class	E
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°)	500 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	4 000
On-mode power (P_{on}), expressed in W	5,0	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	82
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)	0,430 0,400
Parameters for LED and OLED light sources:			
R9 colour rendering index value	6	Survival factor	0,50
the lumen maintenance factor	0,70		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,90	Colour consistency in McAdam ellipses	4
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)	0,9	Stroboscopic effect metric (SVM)	0,5

(a): not applicable;

(b): not applicable;

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4324$ $y=0.3957$ $u(u')=0.2513$ $v=0.3449$ $v'=0.5174$
 CCT: $T_c=3008K$ ($duv=-0.00276$) Color Ratio: $R=0.230$ $G=0.744$ $B=0.026$
 Peak Wavelength: 604.0nm Half Bandwidth: 123.9nm
 Dominant Wavelength: 583.8nm Color Purity: 0.486
 CRI: $R_a=82.3$ TM30: $R_f=84$, $R_g=97$
 GAI: $GAI_BB_8=101.0$, $GAI_BB_15=106.8$, $GAI_EES=58.2$

R1 =81	R2 =91	R3 =96	R4 =80	R5 =82	R6 =90	R7 =81	R8 =58
R9 =6	R10=80	R11=80	R12=74	R13=83	R14=98	R15=74	

Color Quality Scale: $Q_a=81.3$, $Q_f=82.3$, $Q_p=84.2$, $Q_g=93.1$

Q1 =77	Q2 =96	Q3 =81	Q4 =79	Q5 =82	Q6 =83	Q7 =82	Q8 =84
Q9 =96	Q10=88	Q11=84	Q12=81	Q13=81	Q14=71	Q15=73	

