

# 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:** 22312

## 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
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), 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	30	Spectral power distribution in the See image in last page
	Width	85	
	Depth	85	

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 <sup>(a)</sup>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,430 0,400
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	6		Survival factor	0,50
the lumen maintenance factor	0,70			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	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	

