

# 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:** 21316

## Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	GU10		
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°)	400 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	3 000
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	84
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 <sup>(a)</sup>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,440 0,400
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	13		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	2
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:  $x=0.4424$   $y=0.4032$   $u(u')=0.2545$   $v=0.3479$   $v'=0.5219$   
 CCT:  $T_c=2902K$  ( $duv=-0.00107$ ) Color Ratio:  $R=0.241$   $G=0.735$   $B=0.025$   
 Peak Wavelength: 605.8nm Half Bandwidth: 121.3nm  
 Dominant Wavelength: 583.6nm Color Purity: 0.538  
 CRI:  $R_a=84.1$  TM30:  $R_f=85$ ,  $R_g=97$   
 GAI:  $GAI\_BB\_8=97.6$ ,  $GAI\_BB\_15=104.7$ ,  $GAI\_EES=53.3$

R1 =83	R2 =92	R3 =97	R4 =83	R5 =84	R6 =91	R7 =82	R8 =61
R9 =13	R10=82	R11=83	R12=74	R13=85	R14=99	R15=76	
Color Quality Scale: $Q_a=83.3$ , $Q_f=84.8$ , $Q_p=85.5$ , $Q_g=92.8$							
Q1 =79	Q2 =95	Q3 =83	Q4 =81	Q5 =84	Q6 =85	Q7 =84	Q8 =86
Q9 =96	Q10=90	Q11=87	Q12=85	Q13=84	Q14=74	Q15=75	

