

# 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:** 21317

**Type of light source:**

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	MR16		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	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°)	420 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	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 <sup>(a)</sup>	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,380	
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	2	Survival factor	0,50	
the lumen maintenance factor	0,70			

(a) : not applicable;

(b) : not applicable;

CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3818$   $y=0.3878$   $u(u')=0.2216$   $v=0.3377$   $v'=0.5066$   
CCT:  $T_c=4043K$  ( $duv=0.00471$ ) Color Ratio:  $R=0.177$   $G=0.787$   $B=0.035$   
Peak Wavelength: 450.2nm Half Bandwidth: 24.3nm  
Dominant Wavelength: 576.6nm Color Purity: 0.310  
CRI:  $R_a=81.8$  TM30:  $R_f=84$ ,  $R_g=94$   
GAI:  $GAI\_BB\_8=85.7$ ,  $GAI\_BB\_15=92.5$ ,  $GAI\_EES=68.2$   

R1 =79	R2 =87	R3 =95	R4 =81	R5 =80	R6 =84	R7 =86	R8 =63
R9 =2	R10=71	R11=80	R12=60	R13=81	R14=97	R15=72	

Color Quality Scale:  $Q_a=82.9$ ,  $Q_f=83.5$ ,  $Q_p=81.5$ ,  $Q_g=90.7$   

Q1 =81	Q2 =98	Q3 =82	Q4 =78	Q5 =82	Q6 =83	Q7 =85	Q8 =89
Q9 =98	Q10=90	Q11=87	Q12=86	Q13=84	Q14=71	Q15=75	

