

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: 20404

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
Mains or non-mains:	MLS	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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	1	Energy efficiency class	G
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°)	30 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	3 000
On-mode power (P_{on}), expressed in W	0,4	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	85
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)	0,440	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	20	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	3	
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;

Lightsource Test Report

Product Information

Product Type: G45-SMD-0.5W

Product Number: 4

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4347$ $y=0.3963$ $u(u')=0.2525$ $v=0.3453$ $v'=0.5180$

CCT: $T_c=2973K$ ($duv=-0.00284$)

Color Ratio: $R=0.237$ $G=0.734$ $B=0.029$

Peak Wavelength: 604.7nm

Half Bandwidth: 120.1nm

Dominant Wavelength: 584.0nm

Color Purity: 0.494

CRI: $R_a=85.1$

TM30: $R_f=86$, $R_g=96$

GAI: $GAI_BB_8=101.4$, $GAI_BB_15=108.6$, $GAI_EES=57.4$

$R1=85$ $R2=94$ $R3=95$ $R4=83$ $R5=86$ $R6=93$ $R7=82$ $R8=63$

$R9=20$ $R10=87$ $R11=83$ $R12=77$ $R13=87$ $R14=98$ $R15=78$

Color Quality Scale: $Q_a=84.1$, $Q_f=85.4$, $Q_p=86.7$, $Q_g=93.3$

$Q1=81$ $Q2=95$ $Q3=84$ $Q4=81$ $Q5=84$ $Q6=86$ $Q7=85$ $Q8=86$

$Q9=95$ $Q10=91$ $Q11=87$ $Q12=84$ $Q13=84$ $Q14=76$ $Q15=77$

