

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: 21549

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	GX53		
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	8	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°)	550 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	2 700
On-mode power (P_{on}), expressed in W	8,0	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)	0,440	
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	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: $x=0.4375$ $y=0.3978$ $u(u')=0.2537$ $v=0.3460$ $v'=0.5190$
CCT: $T_c=2938K$ ($duv=-0.00261$) Color Ratio: $R=0.234$ $G=0.739$ $B=0.026$
Peak Wavelength: 605.6nm Half Bandwidth: 119.6nm
Dominant Wavelength: 584.1nm Color Purity: 0.507
CRI: R_a : $R_a=82.3$, $avgR(1\sim14)=77.3$, $avgR(1\sim15)=77.1$
 $R1=81$ $R2=92$ $R3=95$ $R4=80$ $R5=82$ $R6=91$ $R7=80$ $R8=57$
 $R9=6$ $R10=82$ $R11=79$ $R12=75$ $R13=84$ $R14=98$ $R15=74$
Color Quality Scale: $Q_a=81.7$, $Q_f=82.9$, $Q_p=84.3$, $Q_g=92.5$
 $Q1=78$ $Q2=95$ $Q3=83$ $Q4=79$ $Q5=82$ $Q6=83$ $Q7=83$ $Q8=84$
 $Q9=95$ $Q10=89$ $Q11=85$ $Q12=82$ $Q13=81$ $Q14=72$ $Q15=73$

