

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: 21731

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):	Nein
Colour-tuneable light source:	Nein	Envelope:	-
High luminance light source:	Nein		
Anti-glare shield:	Nein	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	3	Energy efficiency class	F
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°)	280 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	3,0	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	83
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)	0,430 0,400	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	5	Survival factor	0,50	
the lumen maintenance factor	0,70			

(a) : not applicable;

(b) : not applicable;

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4271$ $y=0.3994$ $u(u')=0.2462$ $v=0.3454$ $v'=0.5180$
CCT: $T_c=2973K$ ($duv=-0.00045$) Color Ratio: $R=0.222$ $G=0.749$ $B=0.029$
Peak Wavelength: $601.7nm$ Half Bandwidth: $128.9nm$
Dominant Wavelength: $582.4nm$ Color Purity: 0.481
CRI: $R_a=82.8$ TM30: $R_f=85$, $R_g=95$
GAI: $GAI_BB_8=93.6$, $GAI_BB_15=100.8$, $GAI_EES=57.1$
 $R1=81$ $R2=92$ $R3=96$ $R4=81$ $R5=82$ $R6=90$ $R7=81$ $R8=58$
 $R9=5$ $R10=81$ $R11=81$ $R12=72$ $R13=84$ $R14=98$ $R15=74$
Color Quality Scale: $Q_a=82.6$, $Q_f=84.1$, $Q_p=83.3$, $Q_g=91.1$
 $Q1=78$ $Q2=95$ $Q3=83$ $Q4=80$ $Q5=83$ $Q6=84$ $Q7=84$ $Q8=87$
 $Q9=95$ $Q10=90$ $Q11=87$ $Q12=84$ $Q13=83$ $Q14=71$ $Q15=74$

