

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: 21318

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
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	5	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°)	440 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 separate control gear, lighting control	Height	50	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	50	
	Depth	54	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,440 0,400
Parameters for LED and OLED light sources:			
R9 colour rendering index value	13	Survival factor	0,50
the lumen maintenance factor	0,70		

(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	

