

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: 23276

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Wire		
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	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°)	460 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	2 900
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 ^(a)	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,380
Parameters for LED and OLED light sources:				
R9 colour rendering index value	4		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	1
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: $x=0.3777$ $y=0.3796$ $u(u')=0.2222$ $v=0.3349$ $v'=0.5024$
CCT: $T_c=4097K$ ($duv=0.00213$) Color Ratio: $R=0.178$ $G=0.788$ $B=0.035$
Peak Wavelength: $443.9nm$ Half Bandwidth: $21.8nm$
Dominant Wavelength: $577.5nm$ Color Purity: 0.273
CRI: $R_a=82.2$ TM30: $R_f=84$, $R_g=97$
GAI: $GAI_BB_8=91.4$, $GAI_BB_15=94.6$, $GAI_EES=73.5$

$R1=80$	$R2=86$	$R3=93$	$R4=83$	$R5=81$	$R6=83$	$R7=86$	$R8=64$
$R9=4$	$R10=69$	$R11=83$	$R12=69$	$R13=81$	$R14=96$	$R15=73$	

Color Quality Scale: $Q_a=83.3$, $Q_f=83.4$, $Q_p=83.2$, $Q_g=93.3$

$Q1=81$	$Q2=98$	$Q3=82$	$Q4=81$	$Q5=85$	$Q6=84$	$Q7=86$	$Q8=90$
$Q9=98$	$Q10=88$	$Q11=86$	$Q12=84$	$Q13=84$	$Q14=71$	$Q15=75$	

