

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: 21388

Type of light source:

| | | | |
|---|-----|---------------------------------|------|
| Lighting technology used: | LED | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | E14 | | |
| 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 | 4 | Energy efficiency class | E |
| 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°) | 470 in Sphere (360°) | 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 | 4,0 | 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) | 0,440 |
| Parameters for LED and OLED light sources: | | | | |
| R9 colour rendering index value | 7 | | 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: $x=0.4414$ $y=0.4081$ $u(u')=0.2517$ $v=0.3491$ $v'=0.5236$
CCT: $T_c=2958K$ ($duv=0.00101$) Color Ratio: $R=0.233$ $G=0.739$ $B=0.027$
Peak Wavelength: 604.1nm Half Bandwidth: 122.5nm
Dominant Wavelength: 582.7nm Color Purity: 0.550
CRI: $R_a=83.3$ TM30: $R_f=86$, $R_g=94$
GAI: $GAI_BB_8=89.1$, $GAI_BB_15=96.8$, $GAI_EES=50.1$

| | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|---------|
| $R1=82$ | $R2=93$ | $R3=95$ | $R4=82$ | $R5=83$ | $R6=93$ | $R7=81$ | $R8=58$ |
| $R9=7$ | $R10=84$ | $R11=82$ | $R12=76$ | $R13=85$ | $R14=98$ | $R15=74$ | |

Color Quality Scale: $Q_a=83.8$, $Q_f=85.8$, $Q_p=83.4$, $Q_g=89.4$

| | | | | | | | |
|---------|----------|----------|----------|----------|----------|----------|---------|
| $Q1=78$ | $Q2=94$ | $Q3=87$ | $Q4=83$ | $Q5=84$ | $Q6=85$ | $Q7=85$ | $Q8=88$ |
| $Q9=95$ | $Q10=93$ | $Q11=89$ | $Q12=86$ | $Q13=84$ | $Q14=72$ | $Q15=74$ | |

