

# 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:** 23131

## 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):	Nein
Colour-tuneable light source:	Nein	Envelope:	-
High luminance light source:	Nein		
Anti-glare shield:	Nein	Dimmable:	No

## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	15	Energy efficiency class	F
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 200 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	4 000
On-mode power ( $P_{on}$ ), expressed in W	15,0	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 <sup>(a)</sup>	-		If yes, equivalent power (W)	-
			Chromaticity coordinates (x and y)	0,380 0,380
<b>Parameters for LED and OLED light sources:</b>				
R9 colour rendering index value	9		Survival factor	0,50
the lumen maintenance factor	0,70			
<b>Parameters for LED and OLED mains light sources:</b>				
displacement factor (cos $\phi_1$ )	0,90		Colour consistency in McAdam ellipses	3
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;

# Lightsource Test Report

## Product Information

Product Type: W780C40  
Product Number: 1

Product Spec: 4000K  
Buyer:

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3836$   $y=0.3789$   $u(u')=0.2263$   $v=0.3353$   $v'=0.5030$

CCT:  $T_c=3930K$  ( $duv=0.00008$ )

Color Ratio:  $R=0.186$   $G=0.780$   $B=0.034$

Peak Wavelength: 450.7nm

Half Bandwidth: 23.6nm

Dominant Wavelength: 579.3nm

Color Purity: 0.289

Central Wave: 452.3nm

Gravity Wave: 451.0nm

CRI:  $R_a=82.9$

TM30:  $R_f=84$ ,  $R_g=96$

GAI:  $GAI_{BB\_8}=93.0$ ,  $GAI_{BB\_15}=99.4$ ,  $GAI_{EES}=72.3$

$R1=81$

$R2=89$

$R3=94$

$R4=82$

$R5=82$

$R6=85$

$R7=86$

$R8=65$

$R9=9$

$R10=73$

$R11=81$

$R12=62$

$R13=83$

$R14=97$

$R15=75$

Color Quality Scale:  $Q_a=82.6$ ,  $Q_f=82.7$ ,  $Q_p=82.9$ ,  $Q_g=93.2$

$Q1=82$

$Q2=99$

$Q3=79$

$Q4=76$

$Q5=82$

$Q6=83$

$Q7=85$

$Q8=89$

$Q9=97$

$Q10=88$

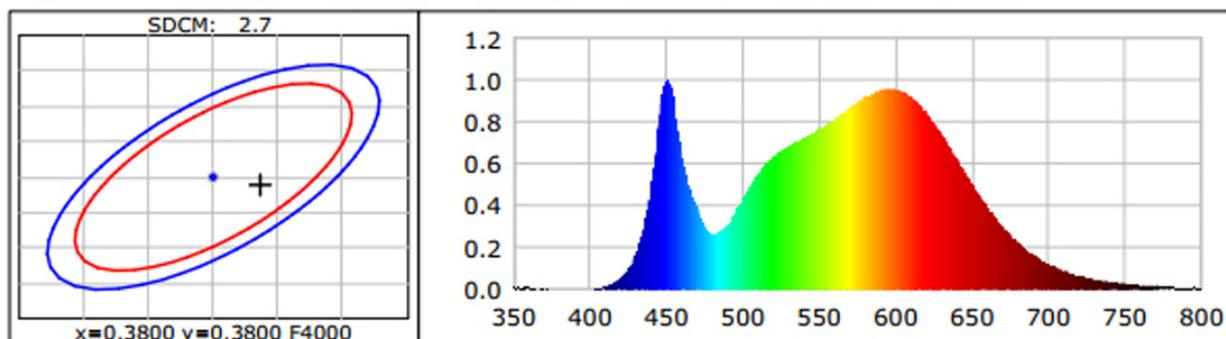
$Q11=85$

$Q12=84$

$Q13=84$

$Q14=73$

$Q15=76$



## Photometric Parameters

Luminous Flux: 2000.2 lm

Efficiency: 147.55 lm/W

Radiant Power: 6.030 W

EEI: 0.09

Energy Efficiency Class: A++ (EU 874-2012)

## Electric Parameters

Voltage: 77.466V

Current: 0.1750A

Power: 13.56W

Power Factor: 1.0000

Frequency: 0.00Hz