

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** DR. FISCHER

**Supplier's address:** Quality, Nikolaus-Otto-Strasse 3, 65582 Diez Diez Rhein-Lahn-Kreis, DE

**Model identifier:** T25 25W 230-240V E14 CL

## Type of light source:

Lighting technology used:	other	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:	Yes

## 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	25	Energy efficiency class	G
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°)	172 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	2 700
On-mode power ( $P_{on}$ ), expressed in W	25,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,79
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	99
Outer dimensions without separate control gear, lighting control	Height	55	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	25	
	Depth	25	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,463 0,420

(a): not applicable;

(b): not applicable;

## Lightsource Test Report

### Product Information

(oven Lamp)

Product Type: T25\*55 230V E14 25W

Product Number: 74

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.5147$   $y=0.4170$   $u(u')=0.2952$   $v=0.3587$   $v'=0.5381$

CCT:  $T_c=2127K$  ( $duv=0.00070$ )

Color Ratio:  $R=0.324$   $G=0.659$   $B=0.017$

Peak Wavelength: 799.5nm

Half Bandwidth: 129.6nm

Dominant Wavelength: 587.6nm

Color Purity: 0.797

CRI:  $R_a=98.7$

TM30:  $R_f=99$ ,  $R_g=99$

R1 =99

R2 =99

R3 =99

R4 =99

R5 =98

R6 =98

R7 =100

R8 =98

R9 =96

R10=98

R11=98

R12=97

R13=99

R14=100

R15=98

Color Quality Scale:  $Q_a=88.1$ ,  $Q_f=97.5$ ,  $Q_p=96.8$ ,  $Q_g=88.4$

Q1 =90

Q2 =89

Q3 =90

Q4 =89

Q5 =89

Q6 =89

Q7 =89

Q8 =88

Q9 =88

Q10=86

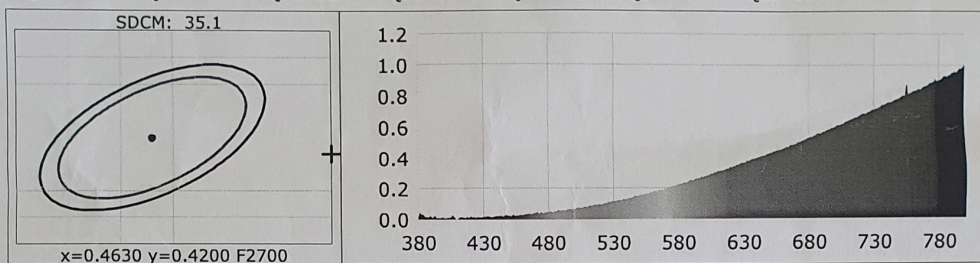
Q11=86

Q12=87

Q13=88

Q14=88

Q15=90



### Photometric Parameters

Luminous Flux: 87.28 lm

Efficiency: 3.74 lm/W

Radiant Power: 0.789 W

EET: 1.87

Energy Efficiency Class: E (EU 874-2012)

### Electric Parameters

Voltage: 231.26V

Current: 0.1008A

Power: 23.32W

Power Factor: 1.0000

Frequency: 50.00Hz

### Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 40389 (4358)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 1.50m, 4 $\pi$

CCD Integration Time: 4257.12 ms

Condition: Tx:29.9°C, Ti:28.4°C, R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2020-07-14 10:50:48

Inspector:

Model placed on the Union market from 01/01/2024.



**EPREL registration number:** 1956037

<https://eprel.ec.europa.eu/qr/1956037>

**Supplier:** Dr. Fischer Speziallampen Vertriebsgesellschaft mbH (Importer)

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**Customer care service:**

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