

# 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:** ALPIGNANO LAMPS SRL , SAN PAOLO 29, 39057 BZ BOLZANO BOLZANO, IT

**Model identifier:** P45 OVEN

## 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:	Yes	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	40	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°)	420 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	2 300	
On-mode power ( $P_{on}$ ), expressed in W	40,0	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	0,01	
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	Height	Spectral power distribution in the	See image in last page	
	Width			75
	Depth			45

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)	0,463 0,420

(a) '-': not applicable;

(b) '-': not applicable;

## Lightsource Test Report

### Product Information

*(oven lamp)*

Product Type: G45\*75 230V E14 40W

Product Number: 71

### CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.4657$   $y=0.4126$   $u(u')=0.2654$   $v=0.3527$   $v'=0.5290$

CCT:  $T_c=2636K$  ( $duv=0.00028$ )

Color Ratio:  $R=0.271$   $G=0.702$   $B=0.027$

Peak Wavelength: 799.5nm

Half Bandwidth: 180.6nm

Dominant Wavelength: 584.5nm

Color Purity: 0.636

CRI:  $R_a=99.7$

TM30:  $R_f=100$ ,  $R_g=100$

R1 =100

R2 =100

R3 =100

R4 =100

R5 =100

R6 =100

R7 =100

R8 =100

R9 =99

R10=99

R11=100

R12=99

R13=100

R14=100

R15=100

Color Quality Scale:  $Q_a=96.9$ ,  $Q_f=99.6$ ,  $Q_p=99.4$ ,  $Q_g=96.9$

Q1 =97

Q2 =97

Q3 =97

Q4 =97

Q5 =97

Q6 =97

Q7 =97

Q8 =97

Q9 =97

Q10=97

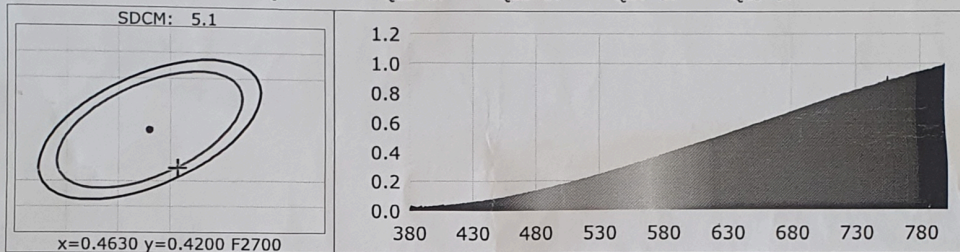
Q11=97

Q12=97

Q13=97

Q14=97

Q15=97



### Photometric Parameters

Luminous Flux: 351.34 lm

Efficiency: 8.48 lm/W

Radiant Power: 2.429 W

EEL: 1.23

Energy Efficiency Class: E (EU 874-2012)

### Electric Parameters

Voltage: 231.15V

Current: 0.1792A

Power: 41.43W

Power Factor: 1.0000

Frequency: 50.00Hz

### Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 Min

Max of Signal: 42496 (3626)

Photometric Method: sphere-spectroradiometer

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

CCD Integration Time: 1645.17 ms

Condition:  $T_x=29.9^{\circ}C$ ,  $T_i=28.6^{\circ}C$ , R.H.:60%

Test Lab:

Operator:

Test Device: Inventfine CMS-2S (Plus)

Test Time: 2020-07-14 10:47:45

Inspector: