

Product Information Sheet

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

Supplier's name or trade mark: TM LECOM

Supplier's address: Geschäftsführung, Simrockstraße 96, 40235 Düsseldorf Düsseldorf Düsseldorf, DE

Model identifier: RS-CP01-W40-UGR

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	other electric interface		
Mains or non-mains:	MLS	Connected light source (CLS):	Yes
Colour-tuneable light source:	Yes	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	Yes	Dimmable:	Only with specific dimmers

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	40	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°)	4 000 in Narrow cone (90°)	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	40,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,90
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	0,90	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	93
Outer dimensions without separate con-	Height	620	Spectral power distribution in the See image in last page
	Width	620	
	Depth	9	

trol 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)	0,376 0,376
Parameters for directional light sources:				
Peak luminous intensity (cd)	456		Beam angle in degrees, or the range of beam angles that can be set	90
Parameters for LED and OLED light sources:				
R9 colour rendering index value	67		Survival factor	0,96
the lumen maintenance factor	0,96			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,97		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)	0,1		Stroboscopic effect metric (SVM)	0,1

(a) : not applicable;

(b) : not applicable;

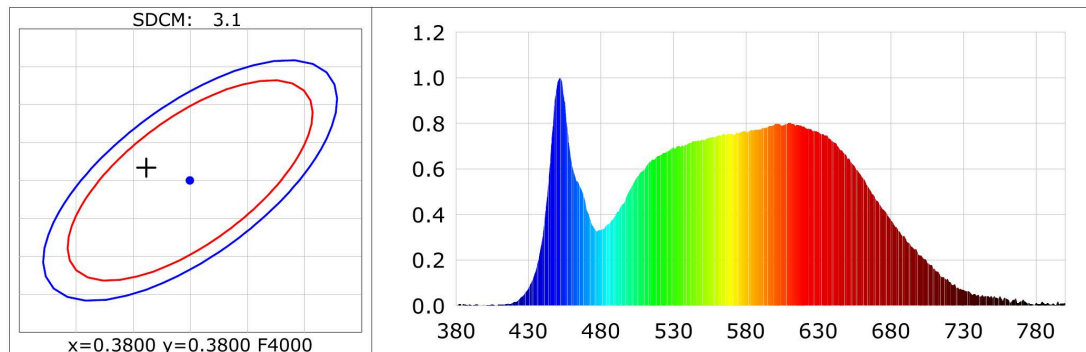
Lightsource Test Report

Product Information

Product Type: 620-620-40W-4000K- Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3762$ $y=0.3817$ $u(u')=0.2204$ $v=0.3354$ $v'=0.5031$
 CCT: $T_c=4152K$ ($duv=0.00357$) Color Ratio: $R=0.189$ $G=0.770$ $B=0.042$
 Peak Wavelength: 451.7nm Half Bandwidth: 23.9nm
 Dominant Wavelength: 576.6nm Color Purity: 0.275
 CRI: $R_a=91.7$ TM30: $R_f=89$, $R_g=97$
 $R_1=91$ $R_2=94$ $R_3=96$ $R_4=92$ $R_5=90$ $R_6=91$ $R_7=95$ $R_8=85$
 $R_9=60$ $R_{10}=85$ $R_{11}=92$ $R_{12}=67$ $R_{13}=92$ $R_{14}=97$ $R_{15}=88$
 Color Quality Scale: $Q_a=91.7$, $Q_f=91.7$, $Q_p=91.2$, $Q_g=96.1$
 $Q_1=90$ $Q_2=98$ $Q_3=87$ $Q_4=86$ $Q_5=90$ $Q_6=91$ $Q_7=93$ $Q_8=95$
 $Q_9=99$ $Q_{10}=96$ $Q_{11}=95$ $Q_{12}=95$ $Q_{13}=95$ $Q_{14}=89$ $Q_{15}=90$



Photometric Parameters

Luminous Flux: 6409.48 lm Efficiency: 159.60 lm/W Radiant Power: 21.116 W
 EEI: 0.09 Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 230.50V Current: 0.1810A Power: 40.16W
 Power Factor: 0.9600 Frequency: 49.99Hz

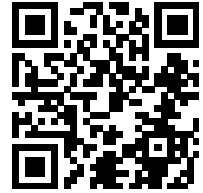
Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 ms Photometric Condition: Sphere diameter: 2.00m, 4T
 Max of Signal: 45158 (4662) CCD Integration Time: 1170.24 ms

Condition: $T_x=28.3^\circ C$, $T_i=22.9^\circ C$, R.H.:60%
 Test Lab:
 Operator:

Test Device: Inventfine CMS-2S (Plus)
 Test Time: 2021-04-29 13:54:54
 Inspector:

Model placed on the Union market from 01/06/2019



EPREL registration number: 949011

<https://eprel.ec.europa.eu/qr/949011>

Supplier: WR Elektro GmbH (Importer)

Website: www.wrelektro.de

Customer care service:

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