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-CRI90

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:	No	Envelope:	-
High luminance light source:	Yes		
Anti-glare shield:	No	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 (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	3 600 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	3 000 or 4 000 or 6 000
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	90
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)	0,371 0,375
Parameters for directional light sources:				
Peak luminous intensity (cd)		468	Beam angle in degrees, or the range of beam angles that can be set	120
Parameters for LED and OLED light sources:				
R9 colour rendering index value		54	Survival factor	0,96
the lumen maintenance factor		0,96		
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ1)		0,97	Colour consistency in McAdam ellipses	4
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;

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Lightsource Test Report

Product Infomation

Product Type: 620-620-40W-6000K Product Number: 2

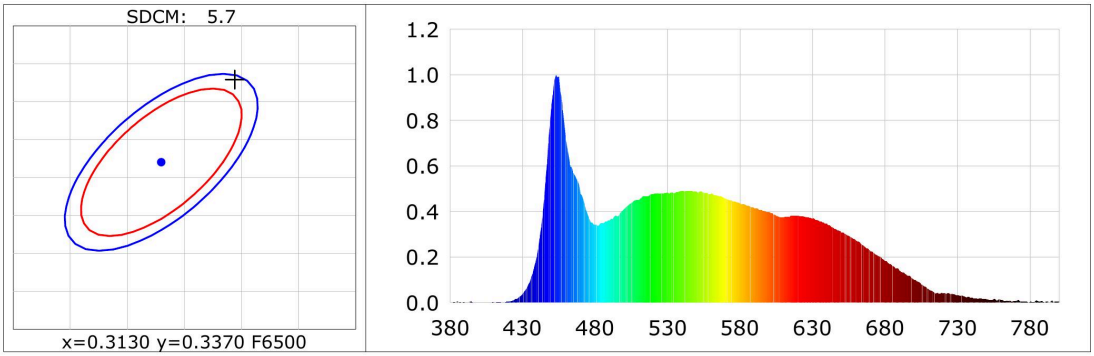
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3194 y=0.3479 u(u')=0.1955 v=0.3194 v'=0.4791
CCT: Tc=6070K (duv=0.00938) Color Ratio: R=0.145 G=0.791 B=0.064
Peak Wavelength: 453.2nm Half Bandwidth: 24.0nm
Dominant Wavelength: 506.2nm Color Purity: 0.042
CRI: Ra= 90.5 TM30: Rf= 86, Rg= 94

R1 =89	R2 =95	R3 =97	R4 =86	R5 =88	R6 =91	R7 =93	R8 =84
R9 =59	R10=87	R11=87	R12=62	R13=91	R14=99	R15=86	

Color Quality Scale: Qa= 90.0, Qf= 90.0, Qp= 89.1, Qg= 93.6

Q1 =86	Q2 =96	Q3 =89	Q4 =83	Q5 =85	Q6 =86	Q7 =90	Q8 =94
Q9 =97	Q10=97	Q11=96	Q12=95	Q13=94	Q14=89	Q15=89	



Photometric Parameters

Luminous Flux: 5553.85 lm Efficiency: 140.39 lm/W Radiant Power: 18.792 W
EEI: 0.10 Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 230.30V Current: 0.1760A Power: 39.56W
Power Factor: 0.9740 Frequency: 49.99Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 46169 (2967)
Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4π
CCD Integration Time: 857.02 ms

Condition: Tx:19.4'C, Ti:15.8'C, R.H.:60% Test Device: Inventfine CMS-2S (Plus)
Test Lab: Test Time: 2021-03-24 09:01:44
Operator: Inspector:

Model placed on the Union market from 01/08/2018

EPREL registration number: 935138

https://eprel.ec.europa.eu/qr/935138

Supplier: WR Elektro GmbH (Importer)

Website: www.wrelektro.de

Customer care service:

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