Product Information Sheet

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

Supplier's name or trade mark: LED Panels - TM LECOM

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

Model identifier: RS-CP01-W40

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)	3 200 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	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	80
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)	0,378 0,372
Parameters for directional light sources:				
Peak luminous intensity (cd)		465	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		23	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	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;

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Lightsource Test Report

Product Infomation

Product Type: 620-620-40W-4000K-RA80 Product Number: 1

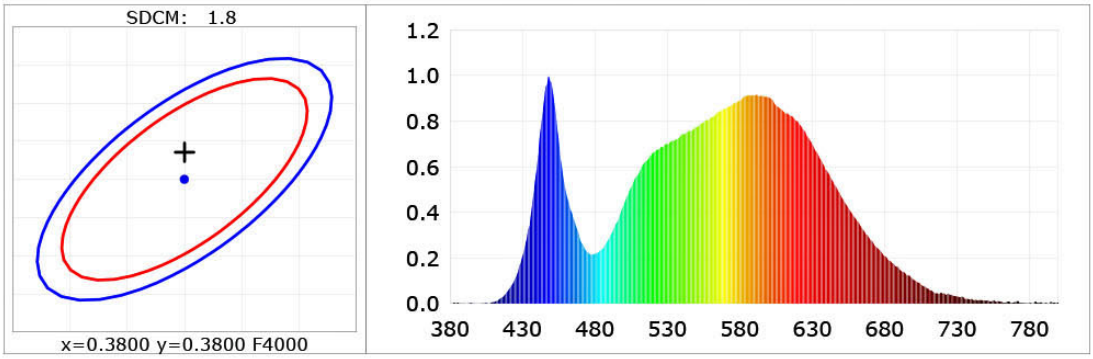
CIE Colorimetric Parameters

Chromaticity coordinates: x=0.3800 y=0.3835 u(u')=0.2221 v=0.3363 v'=0.5045
CCT: Tc=4061K (duv=0.00328) Color Ratio: R=0.177 G=0.791 B=0.032
Peak Wavelength: 448.2nm Half Bandwidth: 21.5nm
Dominant Wavelength: 577.2nm Color Purity: 0.292
CRI: Ra= 81.3 TM30: Rf= 81, Rg= 96

R1 =79	R2 =85	R3 =91	R4 =81	R5 =79	R6 =81	R7 =86	R8 =64
R9 =4	R10=66	R11=80	R12=59	R13=80	R14=95	R15=72	

Color Quality Scale: Qa= 82.3, Qf= 82.5, Qp= 82.3, Qg= 92.7

Q1 =82	Q2 =98	Q3 =79	Q4 =77	Q5 =82	Q6 =83	Q7 =84	Q8 =89
Q9 =97	Q10=87	Q11=85	Q12=84	Q13=84	Q14=72	Q15=75	



Photometric Parameters

Luminous Flux: 5479.44 lm Efficiency: 125.30 lm/W Radiant Power: 16.244 W
EEI: 0.11 Energy Efficiency Class: A++ (EU 874-2012)

Electric Parameters

Voltage: 230.30V Current: 0.1964A Power: 43.73W
Power Factor: 0.9670 Frequency: 49.99Hz

Test Infomation
Scan Range: 380~800:1nm
Stabilization Time: 0 ms
Max of Signal: 45221 (3074)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4π
CCD Integration Time: 1438.45 ms

Condition: Tx:17.4'C, Ti:10.4'C, R.H.:60% Test Device: Inventfine CMS-2S (Plus)
Test Lab: Test Time: 2021-01-12 16:05:34
Operator: Inspector:

Model placed on the Union market from 01/10/2018

EPREL registration number: 781722

https://eprel.ec.europa.eu/qr/781722

Supplier: WR Elektro GmbH (Importer)

Website: www.wrelektro.de

Customer care service:

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