

Product Information Sheet

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

Supplier's name or trade mark: LOOM Design

Supplier's address: Main Office, Lilleringvej 30, 8462 Aarhus Harlev, DK

Model identifier: 819-002

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	LED		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
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	57	Energy efficiency class	F
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°)	5 837 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	2700...4000
On-mode power (P_{on}), expressed in W	56,4	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
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	96
Outer dimensions without separate control gear, light-	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

ing control parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,376 0,360	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	83	Survival factor	0,90	
the lumen maintenance factor	0,96			

(a) '-': not applicable;

(b) '-': not applicable;

Lightsource Test Report

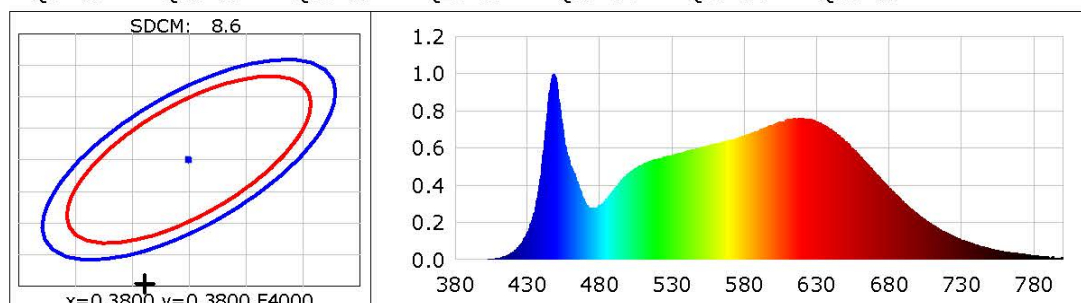
Product Information

Product Type: 819-003
Product Number: 6

Product Spec: 裸光源板

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3761$ $y=0.3603$ $u(u')=0.2289$ $v=0.3290$ $v'=0.4935$
CCT: $T_c=3995K$ ($duv=-0.00663$) Color Ratio: $R=0.207$ $G=0.749$ $B=0.044$
Peak Wavelength: 448.5nm Half Bandwidth: 20.8nm
Dominant Wavelength: 583.8nm Color Purity: 0.210
CRI: $R_a=96.0$, $avgR(1\sim14)=94.2$, $avgR(1\sim15)=94.5$ TM30: $R_f=92$, $R_g=103$
GAI: $GAI_BB_8=110.5$, $GAI_BB_15=113.0$, $GAI_EES=87.1$
 $R1=98$ $R2=98$ $R3=96$ $R4=96$ $R5=98$ $R6=95$ $R7=95$ $R8=93$
 $R9=83$ $R10=95$ $R11=95$ $R12=83$ $R13=98$ $R14=97$ $R15=98$
Color Quality Scale: $Q_a=93.1$, $Q_f=91.4$, $Q_p=96.5$, $Q_g=102.8$
 $Q1=96$ $Q2=98$ $Q3=86$ $Q4=89$ $Q5=95$ $Q6=95$ $Q7=93$ $Q8=97$
 $Q9=97$ $Q10=93$ $Q11=93$ $Q12=93$ $Q13=94$ $Q14=94$ $Q15=95$



Photometric Parameters

Luminous Flux: 5836.9 lm
EEI: 0.13
Pupil Flux: 9334.24 Plm

Efficiency: 103.58 lm/W
Energy Efficiency Class: A+ (EU 874-2012)
Pupil Lumens Per Watt: 165.64 Plm/W

Radiant Power: 20.851 W
Pupil Factor (K_p): 1.599

Electric Parameters

Voltage: 23.999V
Power Factor: 1.0000

Current: 2.3482A
Frequency: 0.00Hz

Power: 56.35W

Test Information

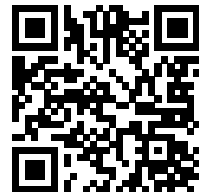
Scan Range: 380~800:1nm
Stabilization Time: 1 Min ALC.: 1.0000
Max of Signal: 44088 (2614)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 1.50m, 4T
CCD Integration Time: 44.30 ms

Condition: $T_x:30.4^{\circ}C$, $T_i:31.0^{\circ}C$, R.H.:60%
Test Lab:
Operator: CHEN

Test Device: Inventfine CMS-2S (Plus)
Test Time: 2023-09-21 08:53:45
Inspector:

Model placed on the Union market from 01/03/2024



EPREL registration number: 2006743

<https://eprel.ec.europa.eu/qr/2006743>

Supplier: Lampefeber A/S (Importer)

Website: www.lampefeber.com

Customer care service:

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