

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: MJ-2082W

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	COB		
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
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General product parameters:

Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	26	Energy efficiency class	G
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°)	1 784 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	2 748
On-mode power (P_{on}), expressed in W	26,0	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	90
Outer dimensions without separate control gear, light-	Height	1	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	3	
	Depth	3	
			See image in last page

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)	0,463 0,420
Parameters for LED and OLED light sources:			
R9 colour rendering index value	91	Survival factor	0,90
the lumen maintenance factor	0,96		

(a) : not applicable;

(b) : not applicable;

Lightsource Test Report

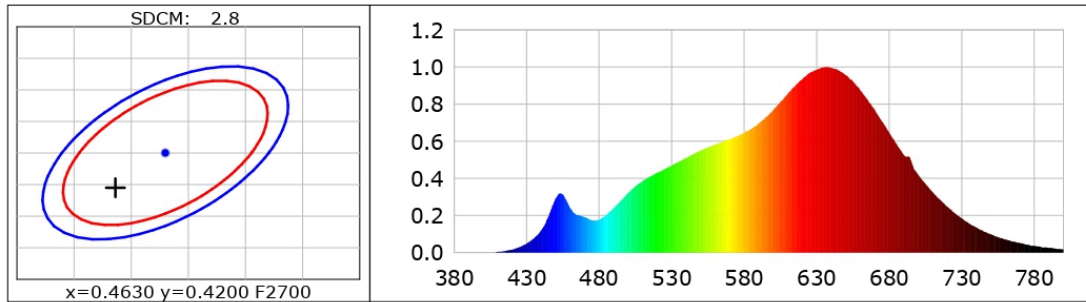
Product Information

Product Type: MJ-2082W

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4586$ $y=0.4145$ $u(u')=0.2600$ $v=0.3524$ $v'=0.5286$
 CCT: $T_c=2748K$ ($duv=0.00154$) Color Ratio: $R=0.267$ $G=0.708$ $B=0.026$
 Peak Wavelength: 636.0nm Half Bandwidth: 157.2nm
 Dominant Wavelength: 583.5nm Color Purity: 0.621
 Central Wave: 616.2nm Gravity Wave: 622.8nm
 CRI: $R_a=98.3$ TM30: $R_f=96$, $R_g=100$
 GAI: $GAI_BB_8=95.0$, $GAI_BB_15=99.9$, $GAI_EES=47.6$
 R1 =100 R2 =99 R3 =96 R4 =99 R5 =99 R6 =99 R7 =99 R8 =97
 R9 =91 R10=96 R11=96 R12=89 R13=100 R14=97 R15=98
 Color Quality Scale: $Q_a=95.2$, $Q_f=97.2$, $Q_p=97.4$, $Q_g=96.8$
 Q1 =94 Q2 =96 Q3 =94 Q4 =95 Q5 =97 Q6 =97 Q7 =97 Q8 =97
 Q9 =95 Q10=94 Q11=94 Q12=95 Q13=96 Q14=96 Q15=95



Photometric Parameters

Luminous Flux: 1784.4 lm Efficiency: 70.34 lm/W Radiant Power: 6.783 W
 Total mains efficacy: 82.71 lm/W Energy Efficiency Class: G (EU 2019/2015)

Electric Parameters

Voltage: 219.10V Current: 0.1200A Power: 25.37W
 Power Factor: 0.9630 Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 Sec ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4T
 Max of Signal: 46524 (2314) CCD Integration Time: 185.49 ms

Condition: Tx:19.8°C, Ti:19.5°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2021-12-22 15:14:59
 Inspector: