

Product Information Sheet

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

Supplier's name or trade mark: FERMOB

Supplier's address: SERVICE RELATION CLIENT, PARC ACTIVAL, 01140 THOISSEY, FR

Model identifier: 3622-BALAD-LAMPE H.38 CM

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Diffuseur polyéthylène		
Mains or non-mains:	NMLS	Connected light source (CLS):	No
Colour-tuneable light source:	Yes	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	Yes	Dimmable:	No

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	3	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°)	150 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	2 200 or 4 000 or 6 500
On-mode power (P_{on}), expressed in W	2,5	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	84
Outer dimensions without	Height	Spectral power distribution in the	See image in last page
	Width		
	Depth		

separate control 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)	0,495
Parameters for LED and OLED light sources:			
R9 colour rendering index value	21	Survival factor	1,00
the lumen maintenance factor	1,00		

(a): not applicable;

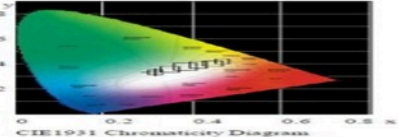
(b): not applicable;



Attachment No. 1: Photometric test record of one lamp at initial measurement
For Model No.: H38(6500K)

Photometric test record of one lamp at initial measurement

Spectroradiometric Parameters



Chromaticity Coordinates: $x=0.3124$ $y=0.3336$ $u'=0.1959$ $v'=0.4707$
 Correlated Color Temperature: 6488 K
 Colour Fidelity Index: $Rf=80$
 Luminous Flux: 320.90 lm
 Chromaticity Difference: ± 0.0056 SDuv
 Color Ratio: $Kr=29.8\%$ $Kg=57.0\%$ $Kb=13.2\%$
 Bandwidth: 21.1nm
 Photosynthetically Active Radiation(PAR): 0.87W
 Rendering Index: $Ra=S1.5$
 R1=79 R2=86 R3=91 R4=S1 R5=S0 R6=S1 R7=S7 RS=67
 R9=-4 R10=67 R11=80 R12=57 R13=S2 R14=95 R15=73 Re=74

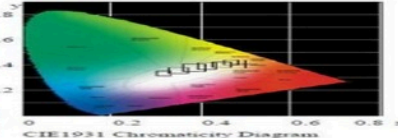
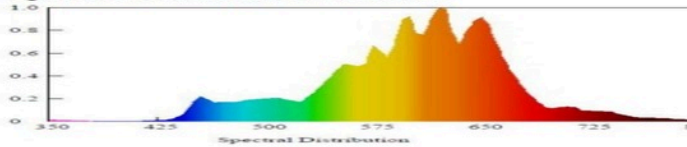
Dominant Wavelength: 491.0 nm(E)
 Gamut Index: $Rg=93$
 Purity: 0.0713
 Peak Wavelength: 450.0 nm
 Color Tolerance(SDCM): 1.9697
 Radiant Flux: 0.882 W
 Photosynthetic Photon Flux(PPF): 3.93 μ mol/s



Attachment No. 1: Photometric test record of one lamp at initial measurement
For Model No.: H38(2200K)

Photometric test record of one lamp at initial measurement

Spectroradiometric Parameters



Chromaticity Coordinates: $x=0.4958$ $y=0.4068$ $u'=0.2879$ $v'=0.5314$
 Correlated Color Temperature: 2240 K
 Colour Fidelity Index: $Rf=S2$
 Luminous Flux: 173.61 lm
 Chromaticity Difference: -0.00275 Duv
 Color Ratio: $Kr=52.7\%$ $Kg=41.7\%$ $Kb=5.6\%$
 Bandwidth: 98.6nm
 Photosynthetically Active Radiation(PAR): 0.49W
 Rendering Index: $Ra=S4.4$
 R1=S4 R2=97 R3=93 R4=78 R5=S4 R6=96 R7=S1 RS=63
 R9=S1 R10=91 R11=74 R12=S6 R13=S7 R14=97 R15=79 Re=S1

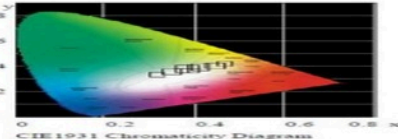
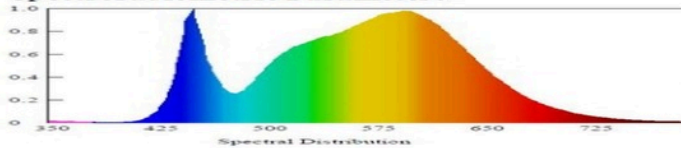
Dominant Wavelength: 586.0 nm(E)
 Gamut Index: $Rg=95$
 Purity: 0.7165
 Peak Wavelength: 620.0 nm
 Color Tolerance(SDCM):
 Radiant Flux: 0.514 W
 Photosynthetic Photon Flux(PPF): 2.45 μ mol/s



Attachment No. 1: Photometric test record of one lamp at initial measurement
For Model No.: H38(4000K)

Photometric test record of one lamp at initial measurement

Spectroradiometric Parameters



Chromaticity Coordinates: $x=0.3827$ $y=0.3821$ $u'=0.2245$ $v'=0.5043$
 Correlated Color Temperature: 3978 K
 Colour Fidelity Index: $Rf=S2$
 Luminous Flux: 347.19 lm
 Chromaticity Difference: $+0.00182$ Duv
 Color Ratio: $Kr=38.0\%$ $Kg=52.6\%$ $Kb=9.4\%$
 Bandwidth: 24.7nm
 Photosynthetically Active Radiation(PAR): 0.85W
 Rendering Index: $Ra=S2.5$
 R1=S1 R2=S8 R3=94 R4=S2 R5=S1 R6=S4 R7=S6 RS=64
 R9=6 R10=72 R11=S2 R12=63 R13=S3 R14=97 R15=74 Re=76

Dominant Wavelength: 577.0 nm(E)
 Gamut Index: $Rg=96$
 Purity: 0.2954
 Peak Wavelength: 450.0 nm
 Color Tolerance(SDCM): 1.2602
 Radiant Flux: 0.867 W
 Photosynthetic Photon Flux(PPF): 3.99 μ mol/s