# 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 (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º) | 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 separate control gear, lighting control — Height | 404 | Spectral power distribution in the range 250 nm to 800 nm, at full-load | See image in last page |
| Outer dimensions without separate control gear, lighting control — Width | 283 | | |
| Outer dimensions without separate control gear, lighting control — Depth | 275 | | |

| | | | | |
|---|---|---|---|---|
| parts and non-lighting control parts, if any (millimetre) | | | | |
| Claim of equivalent power[(a)] | | - | If yes, equivalent power (W) | - |
| | | | Chromaticity coordinates (x and y) | 0,495<br>0,406 |
| **Parameters for LED and OLED light sources:** | | | | |
| R9 colour rendering index value | | 21 | Survival factor | 1,00 |
| the lumen maintenance factor | | 0,97 | | |

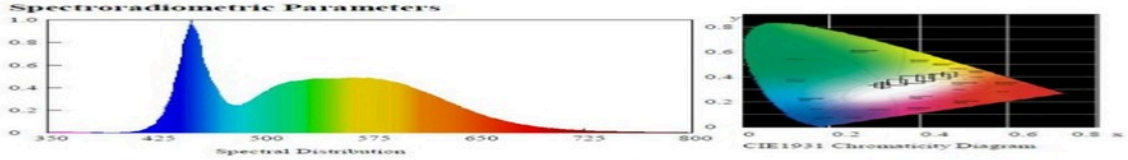
[(a)] '-' : not applicable;

[(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: +0.00568Duv
Color Ratio: Kr=29.8% Kg=57.0% Kb=13.2%
Bandwidth: 21.1nm
Photosynthetically Active Radiation(PAR): 0.87W
Rendering Index: Ra=81.5
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):3.93μmol/s

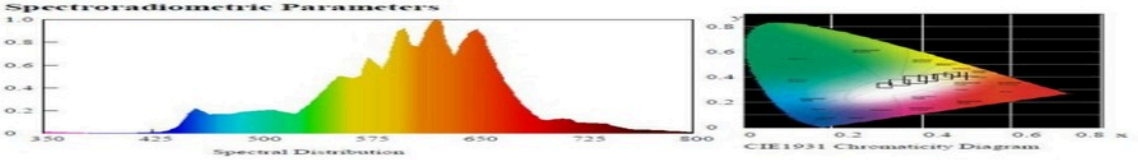
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| R1=79 | R2=86 | R3=91 | R4=81 | R5=80 | R6=81 | R7=87 | R8=67 |
| R9=-4 | R10=67 | R11=80 | R12=57 | R13=82 | R14=95 | R15=73 | Re=74 |



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=82
Luminous Flux: 173.61 lm
Chromaticity Difference: -0.00275Duv
Color Ratio: Kr=52.7% Kg=41.7% Kb=5.6%
Bandwidth: 98.6nm
Photosynthetically Active Radiation(PAR): 0.49W
Rendering Index: Ra=84.4
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):2.45μmol/s

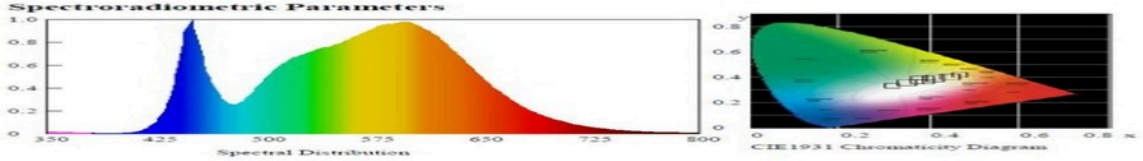
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| R1=84 | R2=97 | R3=93 | R4=78 | R5=84 | R6=96 | R7=81 | R8=63 |
| R9=31 | R10=91 | R11=74 | R12=86 | R13=87 | R14=97 | R15=79 | Re=81 |



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=82
Luminous Flux: 347.19 lm
Chromaticity Difference: +0.00182Duv
Color Ratio: Kr=38.0% Kg=52.6% Kb=9.4%
Bandwidth: 24.7nm
Photosynthetically Active Radiation(PAR): 0.85W
Rendering Index: Ra=82.5
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):3.99μmol/s

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| R1=81 | R2=88 | R3=94 | R4=82 | R5=81 | R6=84 | R7=86 | R8=64 |
| R9=6 | R10=72 | R11=82 | R12=63 | R13=83 | R14=97 | R15=74 | Re=76 |

Model placed on the Union market from 01/11/2018

**EPREL registration number:** 797725

https://eprel.ec.europa.eu/qr/797725

**Supplier:** FERMOB (Manufacturer)

**Website:** www.fermob.com

**Customer care service:**

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