

Product Information Sheet

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

Supplier's name or trade mark: HOFTRONIC

Supplier's address: HOF Trading Support, Fahrenheitstraat 11, 6003 DC Weert Limburg, NL

Model identifier: 4406448

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	Integrated LEDs		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	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	30	Energy efficiency class	D
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°)	4 333 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	6 500
On-mode power (P_{on}), expressed in W	30,0	Standby power (P_{sb}), expressed in W and rounded to the second decimal	-
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	80
Outer dimensions without separate control gear, lighting control	Height	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
	Width		
	Depth		

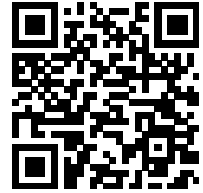
parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-	
		Chromaticity coordinates (x and y)	0,313 0,337	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	8	Survival factor	1,00	
the lumen maintenance factor	0,96			
Parameters for LED and OLED mains light sources:				
displacement factor (cos ϕ_1)	0,97	Colour consistency in McAdam ellipses	2	
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;

Test Item 测试项目	Measured Values 测试数据										Average 平均值	Limit 限度	Remark 备注
Sample: 样品数量	1	2	3	4	5	6	7	8	9	10			
U (V) ¹⁾ 电压	230	230	230	230	230	230	230	230	230	230	230.0		
I (mA) ¹⁾ 电流	140	140	140	140	140	140	140	140	140	140	140.0		
P (W) ¹⁾ 瓦数	29.56	29.43	29.11	28.97	29.01	28.78	28.69	29.71	29.66	29.29	29.2		
candela 发光强度	/	/	/	/	/	/	/	/	/	/	/		
Beam angle 光束角	/	/	/	/	/	/	/	/	/	/	/		
DF (cos φ_1) ¹⁾ 功率因数	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	≥ 0.9	
Φ_{lm} (lm) ¹⁾ - whole luminaire 有效光通量-整灯	4322	4291	4357	4282	4374	4324	4368	4347	4352	4317	4333.4		whole luminaire 整灯
CCT (K) ¹⁾ 色温	6454	6495	6476	6437	6459	6463	6508	6492	6515	6523	6482		
CRI ¹⁾ 显色指数	82	82	82	82	82	82	82	82	82	82	82.0	≥ 80 ³⁾	
Color consistency ²⁾ 颜色一致度	3.2	2.6	1.7	4.1	1.6	2.3	0.5	1.1	3	2.9	2.3	≤ 6-step	
SF @ 3000h ²⁾ 3000h 工作3000h效率	5	5	5	5	5	5	5	5	5	5	SF:100%	≥80%	
Φ_{lm} @ 3000h ³⁾ (lm) 工作3000h有效光通量	4144	4115	4182	4110	4191	4146	4186	4166	4173	4138	4155.1		
X_{LMF} @ 3000h ³⁾ 3000h 工作3000h效能保持率	0.959	0.959	0.960	0.960	0.958	0.959	0.958	0.958	0.959	0.959	0.959	≥XLMF.MIN% (95.81)	
lifetime 寿命	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000		
Flicker ¹⁾⁽²⁾ 频闪	0.007	0.006	0.006	0.006	0.007	0.007	0.006	0.006	0.007	0.006	0.006	Pst LM ≤ 1.0 at full-load	
Stroboscopic effect ¹⁾⁽²⁾ 频闪效应	0.007	0.006	0.006	0.006	0.007	0.006	0.007	0.007	0.007	0.006	0.007	SVM ≤ 0.9 at full-load ⁴⁾	
R9	2	6	10	1	0	7	8	15	10	18			
Size (mm) 灯体尺寸	120cm	120cm	120cm	120cm	120cm	120cm	120cm	120cm	120cm	120cm			
Supplementary information: 1) initial measurement value after aging of: 30 min 老化后的初始测量值:30分钟 2) for LED and OLED 针对LED和OLED 3) except for HID with $\Phi_{use} > 4$ klm and for light sources intended for use in outdoor applications, industrial applications or other applications where lighting standards allow a CRI< 80 CRI ≥ 80 ($\Phi_{use} > 4$ klm 的HID 灯, 以及室外、工业应用或照明标准允许CRI < 80的用途光源除外) 4) for HID with $\Phi_{use} > 4$ klm and for light sources intended for use in outdoor applications, industrial applications or other applications where lighting standards allow a CRI< 80 $\Phi_{use} > 4$ klm 的HID 灯, 以及室外、工业应用或照明标准允许CRI < 80 5) 'survival factor' (SF) means the defined fraction of the total number of light sources that continue to operate at a given time under defined conditions and switching frequency 6) 'lumen maintenance factor' (XLMF) means the ratio of the luminous flux emitted by a light source at a given time in its life to the initial luminous flux 7) 'displacement factor' (DF) (cos φ_1) means the cosine of the phase angle φ_1 between the fundamental harmonic of the mains supply voltage and the fundamental harmonic of the mains current. It is used for mains light sources using LED- or OLED-technology. The displacement factor is measured at full-load, for the reference control settings where applicable, with any lighting control parts in control mode and non-lighting parts disconnected, switched off or set to minimum power consumption according to the manufacturer's instructions 8) '3000h' refers to the total operation time of the cycling test of (EU)2019/2020 Annex V, the total test time is 3600h (1200 cycle of 150min 'ON' and 30min 'OFF')													

Model placed on the Union market from 04/01/2021



EPREL registration number: 739627

<https://eprel.ec.europa.eu/qr/739627>

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