

Product Information Sheet

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

Supplier's name or trade mark: ORION

Supplier's address: Qualitätssicherung, Oberlaaerstraße 284, 1230 Wien, AT

Model identifier: LED 24b 24W SMD(24pcs) L800xB12,5mm 3000K

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	DLS
Light source cap-type (or other electric interface)	LED module		
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:	Yes

Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	24	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°)	2 160 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	3 000
On-mode power (P_{on}), expressed in W	24,0	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	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)	0,467 0,418	
Parameters for directional light sources:				
Peak luminous intensity (cd)	840	Beam angle in degrees, or the range of beam angles that can be set	160	
Parameters for LED and OLED light sources:				
R9 colour rendering index value	9	Survival factor	1,00	
the lumen maintenance factor	0,96			

(a) : not applicable;

(b) : not applicable;



BST Testing (Shenzhen) Co., Ltd.

Report No.: BSTXD221022747414SR

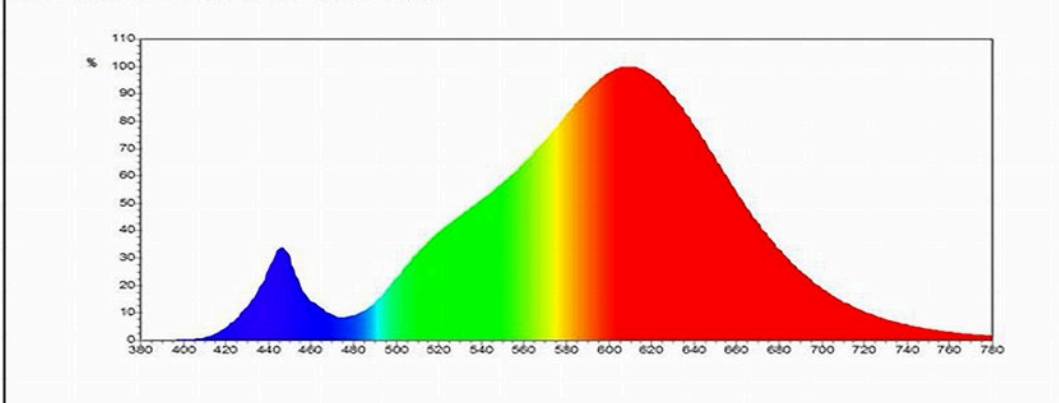
Clause	Requirement + Test	Result – Remark	Verdict
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Parameters for LED and OLED light sources:

R9 colour rendering index value	9	Survival factor	1.00
the lumen maintenance factor	0.96		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ 1)	0.967	Colour consistency in McAdam ellipses	3.4
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0.9	Stroboscopic effect metric (SVM)	0.4

¹⁰⁰ not applicable;

Attachment : Photometric test record:



Add: No.7, New Era Industrial Zone, Guantian, Bao'an District, Shenzhen, Guangdong, China
 Certificate Search: <http://www.bst-lab.com>, Tel:400-882-6168, 8009990305, E-mail:christina@bst-lab.com

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