## **Product Information Sheet**

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

Supplier's name or trade	mark:	ORION
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Supplier's address: Qualitätssicherung, Oberlaaerstraße 284, 1230 Wien, AT

Model identifier: LED 12g 12W SMD(60pcs) 563x5,8mm Band 3000K

## Type of light source:

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

Product parameters							
Parameter		Parameter	Value				
General product parameters:							
Energy consur mode (kWh/10 up to the neare	00 h), rounded	11	Energy efficiency class	F			
dicating if it refe a sphere (360º)	s flux (фuse), ineers to the flux in, in a wide cone arrow cone (90º)	1 275 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	3 000			
On-mode power (P <sub>on</sub> ), expressed in W		10,9	Standby power (P <sub>sb</sub> ), expressed in W and rounded to the sec- ond decimal	0,00			
Networked standby power (P <sub>net</sub> ) for CLS, expressed in W and rounded to the second decimal		-	Colour rendering in- dex, rounded to the nearest integer, or the range of CRI-val- ues that can be set	80			
Outer dimen-	Height	563	Spectral power dis-	See image			
sions without	Width	6	tribution in the	in last page			
separate con- trol gear, light- ing control	Depth	1	range 250 nm to 800 nm, at full-load				

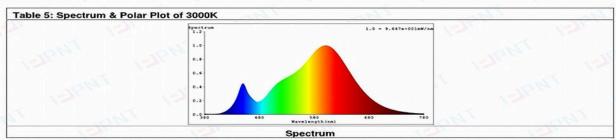
parts and non- lighting con- trol parts, if any (millime- tre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordi-	0,440
		nates (x and y)	0,403
Parameters for LED and OLED lig	ht sources:		
R9 colour rendering index value	2	Survival factor	0,90
the lumen maintenance factor	0,96		

(a)'-': not applicable; (b)'-': not applicable;

## Report No.: PNT-CP22AU6424ERP

Sample No.	Initial Фuse (Im)	3600H Фuse (lm)	Х <sub>ІМЕМІN</sub> % at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured Imax (cd)	Measured light output within π sr
1#	5122.0	4937.6	96.4%	Yes	3/4	1010	161
2#	5114.5	4925.3	96.3%	Yes	-	\ -	
3#	5156.4	4970.8	96.4%	Yes		-	· ·
4#	5211.8	5013.8	96.2%	Yes	16.7	- 16	
5#	5238.6	5071.0	96.8%	Yes		-1-	
6#	5143.7	4979.1	96.8%	Yes	- ~	-	
7#	5157.0	4986.8	96.7%	Yes	- 1	-	16.
8#	5238.6	5029.1	96.0%	Yes	1.0	- 1	
9#	5231.7	5064.3	96.8%	Yes		-12-	110.
10#	5249.8	5066.1	96.5%	Yes	1		
Average	5186.4	5004.4	96.5%	Yes			
Required		V	≥ 96%	≥ 90%	. 110	1600	

Sample No.	Measured voltage(V)	Measured current (mA)	Input wattage (W)	Output wattage (W)	Energy efficiency	Pno (W)	Psb (W)	Pnet (W)
1#	229.9	247.3	54.0	49.6	91.8%	0.312		( )
2#	230.0	248.7	54.3	49.6	91.3%	0.339		
3#	230.1	248.2	54.5	49.5	90.7%	0.311		
Average	230.0	248.1	54.3	49.5	91.3%	0.321	( )	/
Required	- 11				≥84.8%	≤0.5	≤0.5	≤0.5



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DVERGY EFFICIENCY, FUNCTIONALITY AND LABELING REQUIREMENTS FOR LIGHTING - Y :