Product Information Sheet

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

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

Model identifier: LED 12n 12W SMD(60pcs) 422x5mm Band 3000K

Type of light source:

LED	Non-directional or directional:	NDLS
LED module		
NMLS	Connected light source (CLS):	No
No	Envelope:	-
No		
No	Dimmable:	Yes
	LED module NMLS No No	NMLS Connected light source (CLS): No Envelope: No

Product parameters

Product parameters								
Parameter		Value	Parameter	Value				
General product parameters:								
Energy consur mode (kWh/10 up to the neare	00 h), rounded	11	Energy efficiency class	E				
dicating if it refe a sphere (360º)	s flux (фuse), ineers to the flux in, in a wide cone arrow cone (90º)	1 300 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 pow pressed in W	ver (P _{on}), ex-	10,8	Standby power (P _{sb}), expressed in W and rounded to the sec- ond decimal	0,00				
Networked standby power (P _{net}) 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	422	Spectral power dis-	See image				
sions without	Width	5	tribution in the	in last page				
separate con- trol gear, light- ing control	Depth	1	range 250 nm to 800 nm, at full-load					

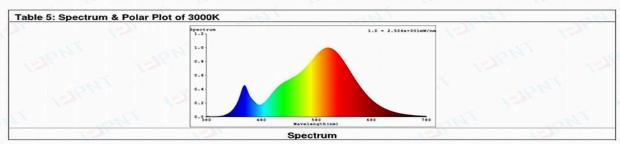
parts and non- lighting con- trol parts, if any (millime- tre)							
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-				
		Chromaticity coordi-	0,440				
		nates (x and y)	0,403				
Parameters for LED and OLED light sources:							
R9 colour rendering index value	3	Survival factor	0,90				
the lumen maintenance factor	0,96						

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

Report No.: PNT-CP22AU6426ERP

Sample No.	Initial Фuse (lm)	3600H Фuse (lm)	Х _{ІМЕМІ} % at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured Imax (cd)	Measured light output within π sr
1#	1346.5	1304.8	96.9%	Yes	314	101	. 181
2#	1327.4	1274.3	96.0%	Yes	-	\ -	
3#	1304.7	1253.8	96.1%	Yes		-	· ·
4#	1326.1	1281.0	96.6%	Yes	16.7	- 16	
5#	1319.7	1277.5	96.8%	Yes			. \
6#	1304.4	1261.4	96.7%	Yes	- ~	-	
7#	1315.6	1269.6	96.5%	Yes	-1	-	16.
8#	1307.9	1259.5	96.3%	Yes	1.0	- 1	
9#	1324.0	1279.0	96.6%	Yes		- 12	110.
10#	1302.4	1259.4	96.7%	Yes	\	-	
Average	1317.9	1272.0	96.5%	Yes		-	
Required		V	≥ 96%	≥ 90%	. 1100	1100	

Table 4 for n	nodel QP-12W	_LED driver						
Sample No.	Measured voltage(V)	Measured current (mA)	Input wattage (W)	Output wattage (W)	Energy efficiency	Pno (W)	Psb (W)	Pnet (W)
1#	230.1	130.0	16.0	13.9	87.0%	0.328		[]
2#	230.0	131.5	16.2	13.9	85.9%	0.326		
3#	229.9	132.6	16.4	14.0	85.6%	0.324	\	
Average	230.0	131.4	16.2	13.9	86.2%	0.326	()	12
Required	- N	()			≥75.2%	≤0.5	≤0.5	≤0.5



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