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 16e 16W SMD(80pcs) 607x4,8mm 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								
Parameter		Value	Parameter	Value				
General product parameters:								
<u> </u>	mption in on- 00 h), rounded st integer	15	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)	1 700 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-	14,5	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 index, rounded to the nearest integer, or the range of CRI-values that can be set	80				
Outer dimen-	Height	607	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					

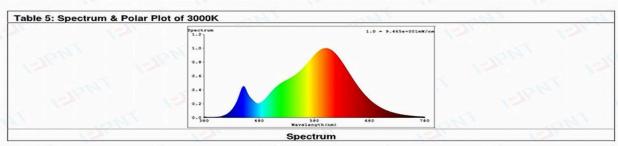
parts and non- lighting con- trol parts, if any (millime- tre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordi-	0,440
		nates (x and y)	0,403
Parameters for LED and OLED lig	tht sources:		
R9 colour rendering index value	3	Survival factor	0,90
the lumen maintenance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

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

Report No.: PNT-CP22AU6425ERP

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#	5112.4	4943.7	96.7%	Yes	314	1010	161
2#	5246.5	5062.9	96.5%	Yes	-	\ -	- 3
3#	5213.6	5041.6	96.7%	Yes		-	
4#	5154.5	4958.6	96.2%	Yes	16.7	- 16	***
5#	5101.2	4917.6	96.4%	Yes			
6#	5111.2	4911.9	96.1%	Yes	- ~	-	
7#	5202.6	4994.5	96.0%	Yes	-1	-	16.
8#	5235.2	5067.7	96.8%	Yes	1.0	- 1	
9#	5224.8	5041.9	96.5%	Yes		- 12	110.
10#	5134.5	4944.5	96.3%	Yes	\	-	
Average	5173.6	4988.5	96.4%	Yes			
Required		V	≥ 96%	≥ 90%	. 1100	1600	

Table 4 for n	nodel QP-TG4	8W _LED driv	er					
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	247.3	54.0	49.6	91.8%	0.312		[]
2#	230.1	247.7	54.2	49.5	91.3%	0.328		
3#	229.9	246.1	53.8	49.4	91.7%	0.310		
Average	230.0	247.0	54.0	49.5	91.6%	0.317	()	12-
Required	- N				≥84.8%	≤0.5	≤0.5	≤0.5



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