Product Information Sheet

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

sources								
Supplier's name	e or trade mark:	ORION						
Supplier's addr	ess: QC/LABOR, (Oberlaaerstraße 284	, 1230 Wien, AT					
Model identifie	er: LM E27/9W op	oal (Glob125/2700K,	/1000lm)					
Type of light so	urce:							
Lighting techno	logy used:	LED	Non-directional or directional:	NDLS				
Light source cap	o-type	E27						
(or other electri	ic interface)							
Mains or non-m	nains:	MLS	Connected light source (CLS):	No				
Colour-tuneable	e light source:	No	Envelope:	-				
High luminance	light source:	No						
Anti-glare shield	d:	No	Dimmable:	Yes				
	Product parameters							
Parameter		Value	Parameter	Value				
		General product p	T	I				
<u> </u>	mption in on- 100 h), rounded st integer	9	Energy efficiency class	E				
indicating if it r in a sphere (3 cone (120º) or i (90º)	us flux (φuse), efers to the flux 60º), in a wide n a narrow cone	1 000 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	2 700				
On-mode prespressed in W	oower (P _{on}),	9,0	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	Height	175	Spectral power	See image				
dimensions	Width	125	distribution in the	in last page				
without	Depth	125						

separate control gear, lighting control parts and non- lighting control parts, if any (millimetre)		range 250 nm to 800 nm, at full-load	
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	72
		Chromaticity coordinates (x and y)	0,463 0,420
Parameters for LED and OLED lig	ht sources:		
R9 colour rendering index value	6	Survival factor	0,90
the lumen maintenance factor	0,94		
Parameters for LED and OLED ma	ains light sources:		
displacement factor (cos φ1)	0,50	Colour consistency in McAdam ellipses	6
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)	1,0	Stroboscopic effect metric (SVM)	0,4

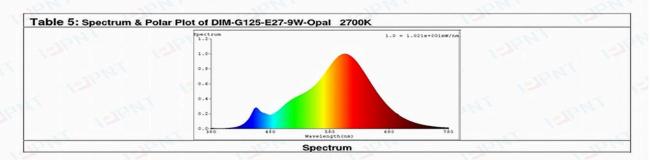
(a)'-': not applicable;

(b)_{'-'} : not applicable;

Report No.: PNT-TH21NO1364ERP

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#	1011.7	951.9	94.1%	Yes	314	161	161
2#	1013.9	958.0	94.5%	Yes	-	\ -	
3#	1019.3	960.2	94.2%	Yes		-	· ·
4#	1022.7	962.1	94.1%	Yes	16.7	- 10	•
5#	1018.8	960.7	94.3%	Yes			. \
6#	1019.9	962.4	94.4%	Yes	- ~	-	
7#	1023.8	962.9	94.1%	Yes	-1/27	-	JE
8#	1025.0	965.7	94.2%	Yes	1.5	- 1	
9#	1012.2	956.0	94.4%	Yes		-11	110.
10#	1018.1	959.3	94.2%	Yes		-	
Average	1018.6	959.9	94.2%	Yes	-	-	
Required		A	≥ 94%	≥ 90%	. 1100	1600	

Table 4 for model _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#	[]							
2#				<i></i>				
3#								
Average		-	1677		-			
Required	931.				_	- (-)		167



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OV EFFICIENCY, FUNCTIONALITY AND LABELING REQUIREMENTS FOR LIGHTING - V 2.0