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: LM E14/2W i.m. (Kerze/2700K/180lm)

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E14		
Mains or non-mains:	MLS	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	2	Energy efficiency class	F
Useful luminous flux (ϕuse), indicating if it refers to the flux in a sphere (360º), in a wide cone (120º) or in a narrow cone (90º)	180 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 power (P_{on}), expressed in W	2,0	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	98	Spectral power distribution in the range 250 nm to 800 nm, at full-load	See image in last page
Width	35		
Depth	35		

parts and non-lighting control parts, if any (millimetre)				
Claim of equivalent power[(a)]		Yes	If yes, equivalent power (W)	18
			Chromaticity coordinates (x and y)	0,463 0,420
Parameters for LED and OLED light sources:				
R9 colour rendering index value		0	Survival factor	0,90
the lumen maintenance factor		0,94		
Parameters for LED and OLED mains 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;

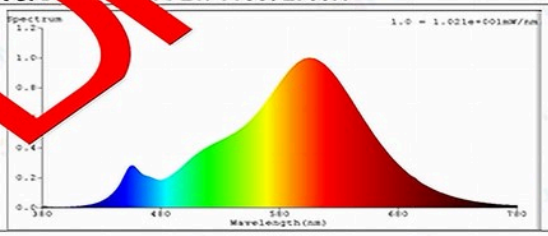
Table 3 : DIM-C35-E14-2W-Frost-2700K

Sample No.	Initial Φuse (lm)	3600H Φuse (lm)	$X_{LMF,MIN}$% at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured Imax (cd)	Measured light output within π sr
1#	187.2	176.5	94.3%	Yes	-	-	-
2#	183.7	173.0	94.2%	Yes	-	-	-
3#	186.1	175.5	94.3%	Yes	-	-	-
4#	186.5	175.5	94.1%	Yes	-	-	-
5#	182.2	172.0	94.4%	Yes	-	-	-
6#	188.7	177.9	94.3%	Yes	-	-	-
7#	185.3	175.1	94.5%	Yes	-	-	-
8#	182.1	171.9	94.4%	Yes	-	-	-
9#	187.0	176.5	94.4%	Yes	-	-	-
10#	183.5	172.9	94.2%	Yes	-	-	-
Average	185.2	174.7	94.2%	Yes	-	-	-
Required	**≥180**	**--**	**≥ 94%**	**≥ 90**	-	-	-

Table 4 for model _LED driver

Sample No.	Measured voltage(V)	Measured current (mA)	Input wattage (W)	Output [illegible]	E[illegible] efficie[illegible]	Pno (W)	Psb (W)	Pnet (W)
1#	--	--	--	--	--	--	--	--
2#	--	--	--	--	--	--	--	--
3#	--	--	--	--	--	--	--	--
Average	--	--	--	--	--	--	--	--
Required	**--**	**--**			**--**	**--**	**--**	**--**

Table 5: Spectrum & [illegible]ar Plot of D[illegible]E14-2W-Frost-2700K



Spectrum