

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 14b 14W SMD(75pcs) 431x6mm Band 3000K

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	LED module		
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:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	14	Energy efficiency class	F
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 600 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_{on}), expressed in W	13,5	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	431	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	6	
	Depth	1	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,440 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;

Table 3 : DL 7-657/28 Patina (LED30W/2700lm/3000K)-M

Sample No.	Initial Flux (lm)	3600H Flux (lm)	X _{LUM,MIN} % at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured I _{max} (cd)	Measured light output within π sr
1#	3242.3	3125.5	96.4%	Yes	-	-	-
2#	3224.6	3098.8	96.1%	Yes	-	-	-
3#	3254.1	3143.5	96.6%	Yes	-	-	-
4#	3278.4	3170.2	96.7%	Yes	-	-	-
5#	3238.6	3128.5	96.6%	Yes	-	-	-
6#	3200.6	3091.8	96.6%	Yes	-	-	-
7#	3256.7	3126.4	96.0%	Yes	-	-	-
8#	3269.0	3144.8	96.2%	Yes	-	-	-
9#	3243.0	3119.8	96.2%	Yes	-	-	-
10#	3212.3	3087.0	96.1%	Yes	-	-	-
Average	3242.0	3123.6	96.4%	Yes	-	-	-
Required	--	--	≥ 96%	≥ 90%	-	-	-

Table 4 for model 6030-30W LED driver

Sample No.	Measured voltage(V)	Measured current (mA)	Input wattage (W)	Output wattage (W)	Energy efficiency	P _{no} (W)	P _{sb} (W)	P _{net} (W)
1#	230.1	145.0	29.9	26.7	89.3%	0.323	--	--
2#	230.0	145.7	30.1	26.5	88.0%	0.325	--	--
3#	230.1	142.4	29.5	26.5	89.9%	0.343	--	--
Average	230.1	144.4	29.8	26.6	89.1%	0.330	--	--
Required	--	--	--	--	≥80.7%	≤0.5	≤0.5	≤0.5

Table 5: Spectrum & Polar Plot of 3000K

