

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 3m 3W COB 6kt Dm20mm 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	3	Energy efficiency class	G
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°)	200 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	2,5	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	90
Outer dimensions without separate control gear, lighting control	Height	3	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	20	
	Depth	20	
			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	50	Survival factor	0,90
the lumen maintenance factor	0,96		

(a) : not applicable;

(b) : not applicable;

Table 3 : 3W LED mould

Sample No.	Initial Φuse (lm)	3600H Φuse (lm)	X _{LMF,MIN} % at 3600H	Survival factor at 3600H	Measured beam angle (°)	Measured I _{max} (cd)	Measured light output within π sr
1#	216.1	209.2	96.8%	Yes	-	-	-
2#	210.9	204.0	96.7%	Yes	-	-	-
3#	207.2	200.7	96.9%	Yes	-	-	-
4#	204.0	196.3	96.2%	Yes	-	-	-
5#	205.2	198.1	96.6%	Yes	-	-	-
6#	201.0	193.5	96.3%	Yes	-	-	-
7#	211.9	204.6	96.6%	Yes	-	-	-
8#	210.5	203.8	96.8%	Yes	-	-	-
9#	206.7	199.2	96.4%	Yes	-	-	-
10#	212.5	204.9	96.4%	Yes	-	-	-
Average	208.6	201.4	96.6%	Yes	-	-	-
Required	--	--	≥ 96%	≥ 90%	-	-	-

Table 4 for model SH-3-700 IP65 SB 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	41.8	4.7	3.2	68.3%	0.243	--	--
2#	230.1	41.5	4.6	3.1	67.2%	0.259	--	--
3#	230.1	41.8	4.6	3.2	69.7%	0.249	--	--
Average	230.1	41.7	4.6	3.2	68.4%	0.250	--	--
Required	--	--	--	--	≥52.11%	≤0.5	≤0.5	≤0.5

Table 5: Spectrum & Polar Plot of 3000K

