

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 12d 12W SMD(60pcs) D400x7,5mm 1/3 Teilkreis 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

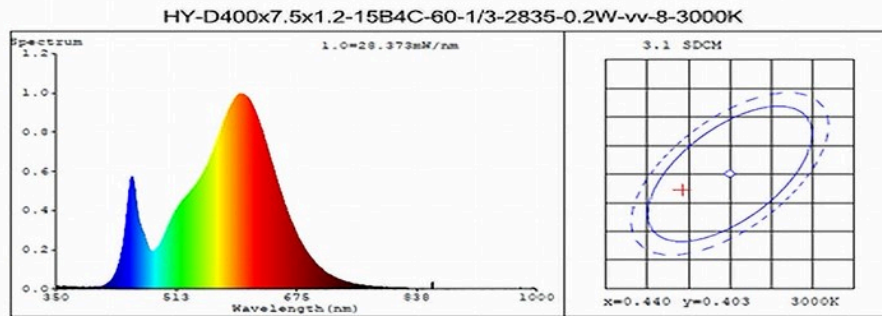
Product parameters

Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	9	Energy efficiency class	D
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°)	1 400 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	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 dimensions without separate control gear, lighting control	Height	419	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	8	
	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	0	Survival factor	0,90
the lumen maintenance factor	0,96		

(a) : not applicable;

(b) : not applicable;



Color Parameters:

Chromaticity Coordinate: $x=0.4340$ $y=0.4002$ $u'=0.2504$ $v'=0.5194$
 CCT=3018K(Duv=-0.0011) Dominant WL:Ld =583.2nm Purity=50.4%
 Ratio:R=22.6% G=74.8% B=2.6% Peak WL:Lp=598.9nm FWHM=120.2nm
 Render Index:Ra=80.6
 R1 =79 R2 =90 R3 =95 R4 =78 R5 =79 R6 =88 R7 =81
 R8 =55 R9 =0 R10=78 R11=76 R12=70 R13=82 R14=98 R15=71

Photo Parameters:

Flux = 1406 lm Eff. : 163.74 lm/W η_e = 4.119 W

Electrical:

V = 11.449 V I = 0.7500 A P = 8.587 W PF = 1.000

WHITE:ANSI_3000K