

# 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 12b2 12W SMD(24pcs) D354x13mm 1/3 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

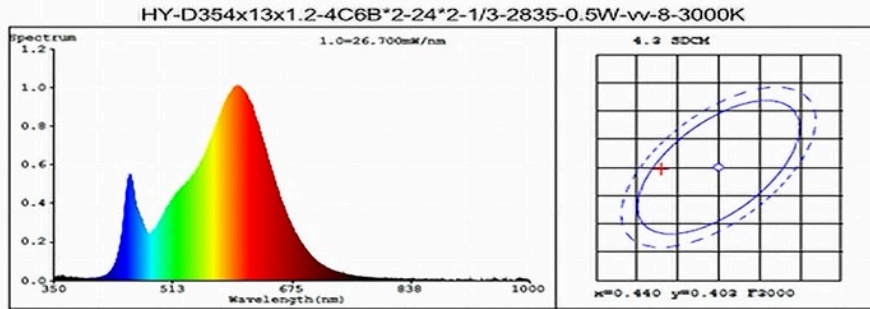
## Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	10	Energy efficiency class	E
Useful luminous flux ( $\phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	1 200 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	9,8	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	371	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	13	
	Depth	1	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power <sup>(a)</sup>	-	If yes, equivalent power (W)	-
		Chromaticity coordinates (x and y)	0,440 0,403
<b>Parameters for LED and OLED light sources:</b>			
R9 colour rendering index value	1	Survival factor	0,90
the lumen maintenance factor	0,96		

(a) : not applicable;

(b) : not applicable;



**Color Parameters:**

Chromaticity Coordinate:  $x=0.4329$   $y=0.4026/u'=0.2486$   $v'=0.5202$

CCI=3058K (Duv=-0.0000) Dominant WL:  $L_d=582.6nm$  Purity=50.8%

Ratio: R=22.4% G=74.6% B=2.9% Peak WL:  $L_p=599.6nm$  FWHM=121.2nm

Render Index:  $R_a=81.7$

R1 =80	R2 =92	R3 =94	R4 =79	R5 =81	R6 =91	R7 =81
R8 =56	R9 =1	R10=82	R11=78	R12=72	R13=83	R14=97
						R15=72

**Photo Parameters:**

Flux = 1294 lm Eff. : 134.25 lm/W Fe = 3.896 W

**Electrical parameters:**

V = 12.850 V I = 0.7500 A P = 9.638 W PF = 1.000

WHITE:ANSI\_3000K