

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

**Supplier's name or trade mark:** GLOBO Handels GmbH

**Supplier's address:** GLOBO Handels GmbH, Gewerbestraße 3, 9184 St. Peter, AT

**Model identifier:** 16024-3W

## Type of light source:

|                                                     |      |                                 |      |
|-----------------------------------------------------|------|---------------------------------|------|
| Lighting technology used:                           | LED  | Non-directional or directional: | NDLS |
| Light source cap-type (or other electric interface) | LED  |                                 |      |
| 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:                       | No   |

## 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                                                                         | 18                     | Energy efficiency class                                                                                                                                    | E                      |
| Useful luminous flux ( $\phi_{\text{use}}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°) | 2 200 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 | 4 000                  |
| On-mode power ( $P_{\text{on}}$ ), expressed in W                                                                                                     | 16,5                   | Standby power ( $P_{\text{sb}}$ ), expressed in W and rounded to the second decimal                                                                        | 0,50                   |
| Networked standby power ( $P_{\text{net}}$ ) 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                                                         | 83                     |
| Outer dimensions without separate control gear, lighting control                                                                                      | Height                 | Spectral power distribution in the range 250 nm to 800 nm, at full-load                                                                                    | See image in last page |
|                                                                                                                                                       | Width                  |                                                                                                                                                            |                        |
|                                                                                                                                                       | Depth                  |                                                                                                                                                            |                        |

|                                                           |      |                                    |                |  |
|-----------------------------------------------------------|------|------------------------------------|----------------|--|
| 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) | 0,374<br>0,372 |  |
| <b>Parameters for LED and OLED light sources:</b>         |      |                                    |                |  |
| R9 colour rendering index value                           | 9    | Survival factor                    | 0,90           |  |
| the lumen maintenance factor                              | 0,95 |                                    |                |  |

(a) : not applicable;

(b) : not applicable;

## Spectral test report for lamp

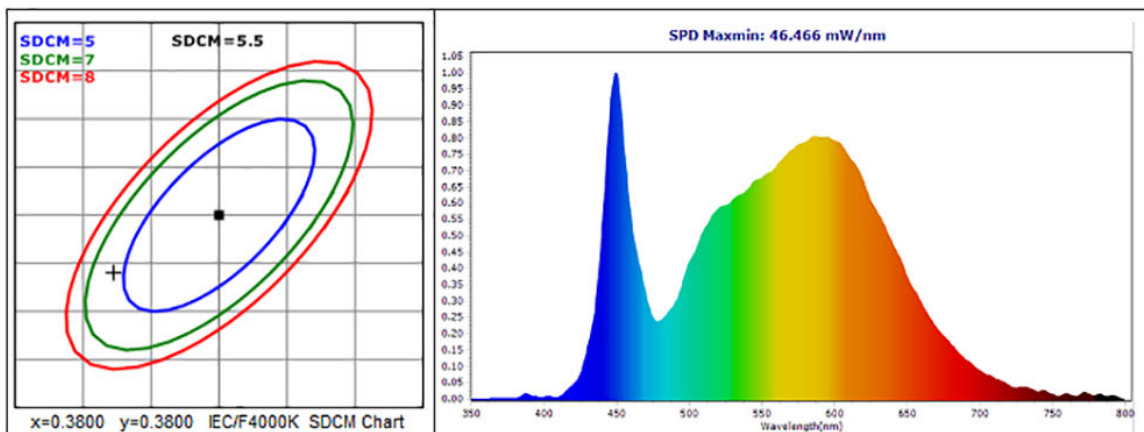
Product type : 16024-3-4000K Light source  
Product No. :  
Manufacturer : TAVIC

Test time : 2024/7/27 16:34:40  
Test equipment : SPEC-3000A Spectrometer  
Operator : 林溢

### CIE Color Parameter

Chromaticity coordinates:  $x=0.3683$   $y=0.3720$   $u=0.2190$   $v=0.3318$   $u^*=0.2190$   $v^*=0.4977$   
Color temperature: 4315 K ( $duv=+0.00152$ ) Color difference: SDCM(IEC/F4000)=5.5 Main Wavelength: 484.3 nm Purity: 0.199  
Peak wavelength:  $\lambda_p=449.5$  FWHM:  $\Delta\lambda_p=22.4$  nm Color ratio: R=0.186 G=0.780 B=0.034

Color rendering index: Ra=81.75 Color Fidelity: Rf=83.28 Color Gamut Rg=94.8 GAI=90.42  
R1=79.7 R2=87.4 R3=93.5 R4=81.3 R5=80.0 R6=82.5 R7=86.1 R8=63.6  
R9=1.6 R10=70.3 R11=80.2 R12=59.5 R13=82.2 R14=96.5 R15=73.4



### Optical Parameter

Luminous flux: 2219.78 lm  
Energy efficiency index (EEI): 126.196  
MOVE=2171.444 MES1=1919.626

luminous efficiency: 126.2 lm/w Radiant flux: 6.703 W  
Energy efficiency class: E (EU 2019/2015) (EU 874)

### Electrical Parameter

Voltage(V): 230.26 Current(A): 0.0807 Watte(W): 17.590 Power factor: 0.9458

### Test Information

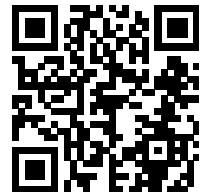
Temperature : Deg C  
Test range : 350-800nm : 1nm  
Preheat time : 0(min)

Humidity :  
Peak AD. : 49931 (76.2%)  
Integral time. : 1163.01 (ms)

**MEASUREFINE**

Hangzhou Huipu Instrument Co., Ltd. <http://www.measurefine.com>

Model placed on the Union market from 01/08/2024



**EPREL registration number:** 2120512

<https://eprel.ec.europa.eu/qr/2120512>

**Supplier:** Globo Handels GmbH (Importer)

**Website:**

**Customer care service:**

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