

Product Information Sheet

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

Supplier's name or trade mark: GLOBO

Supplier's address: switchboard, Gewerbestrasse, AT

Model identifier: 41759-24

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	connection by soldering		
Mains or non-mains:	MLS	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	24	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°)	2 493 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	2700...6500
On-mode power (P_{on}), expressed in W	23,8	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,16
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	82
Outer dimensions without separate control gear, lighting control	Height	90	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	395	
	Depth	395	
			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)	0,463 0,420
Parameters for LED and OLED light sources:			
R9 colour rendering index value	4	Survival factor	0,90
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,97	Colour consistency in McAdam ellipses	2
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	-(b)	If yes then replacement claim (W)	-
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,2

(a)-: not applicable;

(b)-: not applicable;

Lightsource Test Report

Product Information

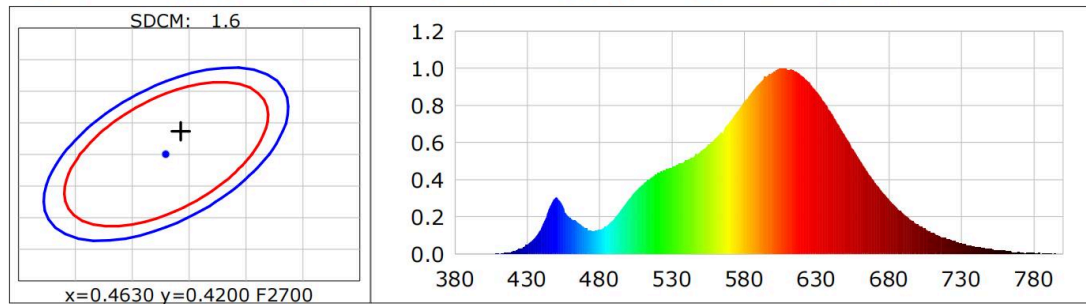
Product Type: 41759-24
 Product Number: 192

Product Spec:

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4643$ $y=0.4236$ $u(u')=0.2596$ $v=0.3552$ $v'=0.5329$
 CCT: $T_c=2738K$ ($duv=0.00436$) Color Ratio: $R=0.247$ $G=0.733$ $B=0.020$
 Peak Wavelength: 612.1nm Half Bandwidth: 122.1nm
 Dominant Wavelength: 582.7nm Color Purity: 0.666
 Central Wave: 599.3nm Gravity Wave: 603.5nm
 CRI: $R_a=83.5$ TM30: $R_f=87$, $R_g=94$
 GAI: $GAI_{BB_8}=77.9$, $GAI_{BB_15}=85.0$, $GAI_{EES}=38.8$

R1 =81	R2 =90	R3 =98	R4 =83	R5 =82	R6 =90	R7 =84	R8 =60
R9 =9	R10=79	R11=84	R12=73	R13=83	R14=100	R15=73	
Color Quality Scale: $Q_a=84.0$, $Q_f=86.6$, $Q_p=83.4$, $Q_g=86.9$							
Q1 =78	Q2 =94	Q3 =88	Q4 =86	Q5 =86	Q6 =86	Q7 =86	Q8 =90
Q9 =94	Q10=89	Q11=87	Q12=86	Q13=85	Q14=72	Q15=75	



Photometric Parameters

Luminous Flux: 2626.9 lm Efficiency: 110.10 lm/W Radiant Power: 7.918 W
 Total mains efficacy: 110.10 lm/W Energy Efficiency Class: E (EU 2019/2015)

Electric Parameters

Voltage: 230.10V Current: 0.1420A Power: 23.86W
 Power Factor: 0.7350 Frequency: 49.99Hz

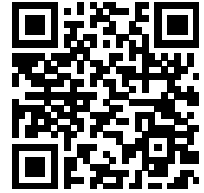
Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 Sec ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4T
 Max of Signal: 52599 (4346) CCD Integration Time: 258.84 ms

Condition: $T_x:31.6^{\circ}C$, $T_i:28.5^{\circ}C$, R.H.:60%
 Test Lab: PHELP
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2021-10-05 17:00:22
 Inspector:

Model placed on the Union market from 09/09/2021



EPREL registration number: 909819

<https://eprel.ec.europa.eu/qr/909819>

Supplier: Globo Handels GmbH (Importer)

Website:

Customer care service:

Name: switchboard

Website:

Email: office@globo-lighting.com

Phone: 0043 4253 32050

Address:

Gewerbestrasse

Austria