

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: 48544-40SH

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	connection by couple connector		
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	44	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°)	4 200 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	2 700 or 4 000 or 6 500
On-mode power (P_{on}), expressed in W	38,6	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,40
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	81
Outer dimensions without separate control gear, lighting control	Height	3 880	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	6	
	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	1	Survival factor	0,90
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,98	Colour consistency in McAdam ellipses	5
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)	0,0

(a)-: not applicable;

(b)-: not applicable;

光源光电测试报告

产品信息

产品种类: 48544-40SH DA 3.7M 3000K
产品编号: 17

产品型号: 2

色度参数

色品坐标: $x=0.4295$ $y=0.3933$ $u(u')=0.2504$ $v=0.3440$ $v'=0.5159$

相关色温: $T_c=3040K$ ($duv=-0.00333$)

色比: $R=0.233$ $G=0.735$ $B=0.033$

峰值波长: 602.9nm 半宽度: 119.8nm

主波长: 583.9nm 色纯度: 0.470

中心波长: 594.8nm

重心波长: 597.5nm

显色指数: $R_a=83.7$

TM30: $R_f=84$, $R_g=94$

全色域指数: $GAI_BB_8=99.6$, $GAI_BB_15=107.8$, $GAI_EES=58.3$

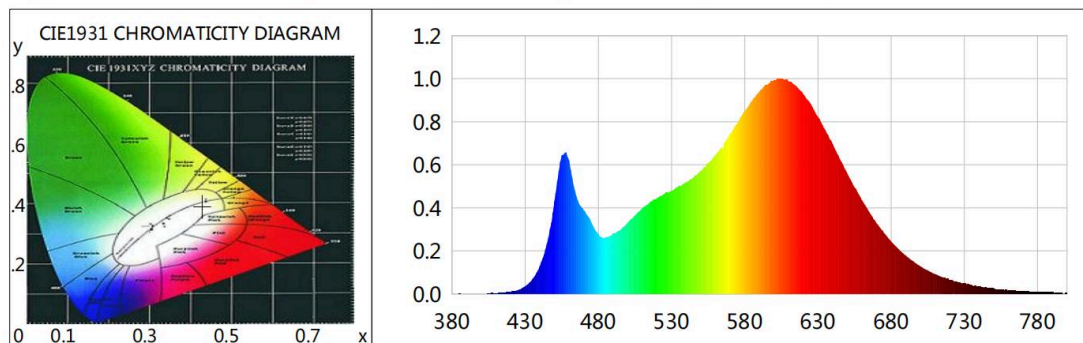
$R1=84$ $R2=96$ $R3=91$ $R4=81$ $R5=85$ $R6=94$ $R7=79$ $R8=59$

$R9=13$ $R10=91$ $R11=81$ $R12=76$ $R13=88$ $R14=96$ $R15=77$

颜色质量量表: $Q_a=83.1$, $Q_f=84.6$, $Q_p=84.9$, $Q_g=91.4$

$Q1=79$ $Q2=93$ $Q3=86$ $Q4=80$ $Q5=82$ $Q6=84$ $Q7=85$ $Q8=86$

$Q9=94$ $Q10=92$ $Q11=88$ $Q12=84$ $Q13=82$ $Q14=74$ $Q15=75$



光度参数

光通量: 5240.8 lm

光效: 130.56 lm/W

光辐射功率: 16.088 W

能效指数(EEI): 0.10

能效等级: A++ (EU 874-2012)

电参数

电压: 229.30V

电流: 0.1790A

功率: 40.14W

功率因数: 0.9780

频率: 50.00Hz

测试信息

扫描范围: 380~800:1nm

稳定时间: 20 Sec 辅助灯修正系数: 1.0000

信号最大值: 44538 (3726)

光度测量方法: sphere-spectroradiometer

光度测量条件: Sphere diameter: 1.50m, 4"

积分时间: 104.26 ms

测试环境: $T_x:28.6^{\circ}C$, $T_i:25.5^{\circ}C$, R.H.:60%

测试单位:

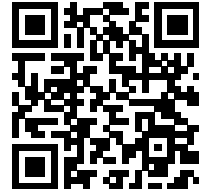
测试员:

测试设备: CMS-2S (Plus)

测试时间: 2022-07-05 15:27:44

核 验:

Model placed on the Union market from 18/08/2022



EPREL registration number: 1814512

<https://eprel.ec.europa.eu/qr/1814512>

Supplier: Globo Handels GmbH (Manufacturer)

Website:

Customer care service:

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