

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: 48039-40

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	40	Energy efficiency class	E
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°)	4 500 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	40,0	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	83
Outer dimensions without separate control gear, lighting control	Height	530	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	350	
	Depth	61	
			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	13	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	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)	0,1	Stroboscopic effect metric (SVM)	0,1

(a)-: not applicable;

(b)-: not applicable;

Lightsource Test Report

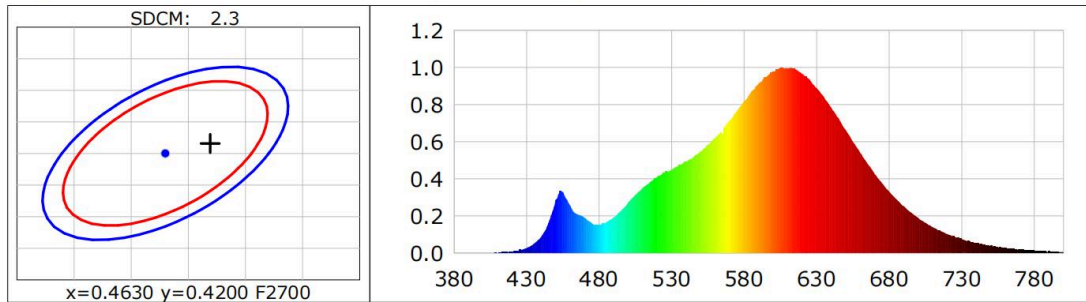
Product Information

Product Type: 48039-40 LD

Product Number: 19

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4669$ $y=0.4215$ $u(u')=0.2621$ $v=0.3550$ $v'=0.5325$
 CCT: $T_c=2687K$ ($duv=0.00340$) Color Ratio: $R=0.252$ $G=0.727$ $B=0.021$
 Peak Wavelength: 612.1nm Half Bandwidth: 122.1nm
 Dominant Wavelength: 583.2nm Color Purity: 0.667
 Central Wave: 602.4nm Gravity Wave: 605.6nm
 CRI: $R_a=83.6$ TM30: $R_f=86$, $R_g=93$
 GAI: $GAI_BB_8=80.0$, $GAI_BB_15=89.2$, $GAI_EES=38.5$
 R1 =82 R2 =91 R3 =98 R4 =82 R5 =82 R6 =91 R7 =83 R8 =60
 R9 =13 R10=81 R11=82 R12=72 R13=84 R14=99 R15=74
 Color Quality Scale: $Q_a=84.0$, $Q_f=86.8$, $Q_p=83.7$, $Q_g=86.9$
 Q1 =79 Q2 =93 Q3 =87 Q4 =84 Q5 =84 Q6 =84 Q7 =85 Q8 =90
 Q9 =94 Q10=90 Q11=88 Q12=87 Q13=85 Q14=73 Q15=76



Photometric Parameters

Luminous Flux: 5781.9 lm Efficiency: 152.00 lm/W Radiant Power: 17.883 W
 Total mains efficacy: 152.00 lm/W Energy Efficiency Class: D (EU 2019/2015)

Electric Parameters

Voltage: 230.00V Current: 0.1690A Power: 38.04W
 Power Factor: 0.9730 Frequency: 50.00Hz

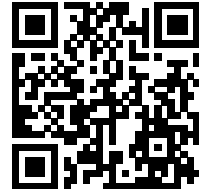
Test Information

Scan Range: 380~800:1nm Photometric Method: sphere-spectroradiometer
 Stabilization Time: 0 Sec ALC.: 1.0000 Photometric Condition: Sphere diameter: 1.50m, 4π
 Max of Signal: 43684 (3733) CCD Integration Time: 122.37 ms

Condition: Tx:28.6°C, Ti:28.0°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2024-09-04 15:30:54
 Inspector:

Model placed on the Union market from 20/11/2024



EPREL registration number: 2198972

<https://eprel.ec.europa.eu/qr/2198972>

Supplier: Globo Handels GmbH (Manufacturer)

Website:

Customer care service:

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