

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: 48032-40

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:	No

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	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°)	3 700 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	40,0	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	82
Outer dimensions without separate control gear, lighting control	Height	480	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	480	
	Depth	52	
			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	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	1
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

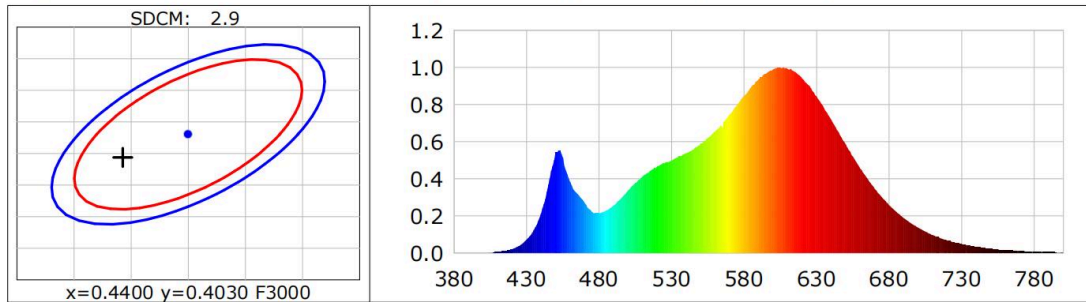
Product Information

Product Type: 5991005/00 LD

Product Number: 155

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4343$ $y=0.3994$ $u(u')=0.2509$ $v=0.3461$ $v'=0.5191$
 CCT: $T_c=3006K$ ($duv=-0.00153$) Color Ratio: $R=0.233$ $G=0.739$ $B=0.028$
 Peak Wavelength: 607.0nm Half Bandwidth: 126.1nm
 Dominant Wavelength: 583.4nm Color Purity: 0.502
 Central Wave: 593.4nm Gravity Wave: 598.0nm
 CRI: $R_a=84.5$ TM30: $R_f=86$, $R_g=96$
 GAI: $GAI_BB_8=97.7$, $GAI_BB_15=104.3$, $GAI_EES=56.2$
 R1 =84 R2 =93 R3 =95 R4 =83 R5 =85 R6 =93 R7 =82 R8 =61
 R9 =13 R10=85 R11=84 R12=77 R13=86 R14=98 R15=76
 Color Quality Scale: $Q_a=84.0$, $Q_f=85.5$, $Q_p=85.6$, $Q_g=92.5$
 Q1 =79 Q2 =95 Q3 =85 Q4 =82 Q5 =85 Q6 =86 Q7 =86 Q8 =87
 Q9 =95 Q10=91 Q11=88 Q12=85 Q13=84 Q14=74 Q15=76



Photometric Parameters

Luminous Flux: 3731.5 lm Efficiency: 100.20 lm/W Radiant Power: 11.386 W
 Total mains efficacy: 100.20 lm/W Energy Efficiency Class: F (EU 2019/2015)

Electric Parameters

Voltage: 230.30V Current: 0.1910A Power: 37.24W
 Power Factor: 0.8500 Frequency: 50.00Hz

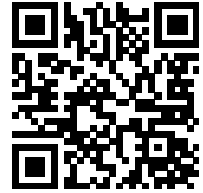
Test Information

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: 49625 (3813) CCD Integration Time: 193.76 ms

Condition: Tx:28.1°C, Ti:26.0°C, R.H.:60%
 Test Lab:
 Operator:

Test Device: CMS-2S (Plus)
 Test Time: 2024-04-13 16:20:43
 Inspector:

Model placed on the Union market from 24/05/2024



EPREL registration number: 2035551

<https://eprel.ec.europa.eu/qr/2035551>

Supplier: Globo Handels GmbH (Manufacturer)

Website:

Customer care service:

Name: GLOBO Handels GmbH

Website:

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