

Technical data – LED - Luminaires and Lamps

Based on EU regulation 2019/2015 and 2019/2020

Pos.	Item	unit	Result
1	Article - No.		7090269593
2	Article Description		SLM436NAE
3	Socket		-
4	Dimensions (height x width x depth)	mm	Ø 43,6
5	Weight	g	7,76
6	IP class	number	00
7	Operating voltage (incl. Tolerance min ... max)	V	12V (9-16V)
8	Lighting technology used (LED, OLED..)	Type	LED
9	Non-directional or directional (NDLS/DLS)	Type	DLS
10	LED Type	Type	Nichia 757-Serie
11	LED Quantity	number	8
12	Colour-tuneable light source:	Yes/No	No
13	High luminance light source:	Yes/No	No
14	On-mode power (Pon), expressed in W	W	1,79
15	Standby power (Psb), expressed in W and rounded to the second decimal	W	-
16	Networked standby power (Pnet) for CLS, expressed in W and rounded to the second decimal	W	-
17	Rated power consumption	W	2,0
18	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°)	Lumen in [sphere/wide cone/narrow cone]	220
19	Rated luminous flux	Lumen	220
20	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	Kelvin	3000
21	Power factor PF	number	1
22	Beam angle in degrees, or the range of beam angles that can be set	°	120
23	Nominal life time	h	50000
24	Rated life time	h	50000
25	Switching cycles	number	100000
26	Warm up time	sec	1
27	Premature failure rate	%	1
28	Colour rendering index, rounded to the nearest integer, or the range of CRI values that can be set	CRI	80
29	Lamp survival factor at 6000 h (>0,9)	number	0,99

30	Lumen maintenance factor at 6000 h (>0,8)	number	0,999
31	Spectral power distribution in the range 250 nm to 800 nm, at full-load	graphic	Please attach graphic
32	Chromaticity coordinates (x and y)	number	0,4338 ; 0,4030
33	Peak luminous intensity (cd)	cd	
34	Colour consistency within 6 step mcAdam ellipse	Yes/No	Yes, 3 step
35	Energy efficiency class acc. 2019/2015 EU	A – G	E
36	Energy consumption in on-mode (kWh/ 1000 h)	kWh/1000h	1,79
37	Risk group according EN 62471:2008	Exempt, 1 – 3	Exempt
38	Spezific UV-Radiation	mW/kLm	0
39	Mercury content	mg	0
40	Dimmable [yes/only with specific dimmers/no]	Yes/No, or	Yes per PWM
41	displacement factor (cos ϕ 1)	number	-
42	Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage	number	
43	Flicker metric (Pst LM)	number	0
44	Stroboscopic effect metric (SVM)	number	0
45	Limitations of the mounting position (360°)	Yes/No	No
46	Max. ambient temperature	° C	50
47	Illuminance at 0,6m and 1,2 m	Lux	180 / 47
48	Enclose declaration of conformity		Please attach document
49	Enclose drawing and / or sketch		Please attach document
50	Enclose BOM		Please attach document
51	Enclose layout of pcb		Please attach document

Supplier: **Dometic Light Systems** Name: **P. Seibel**

Date: **09.09.2020**