

Photometric test report

Family
Silica® 21 round S

Order number: 51ME31DA4NSA
EAN: 4069025800442

LP number
60079_3

serial
documentation
20.05.2026

siteco



Version

Suspended luminaire, housing, silver, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22

Lamps

LED 4000 K | CRI ≥ 80

Controlgear

ECG-DALI

Rated values

Net luminous flux = 3510 lm

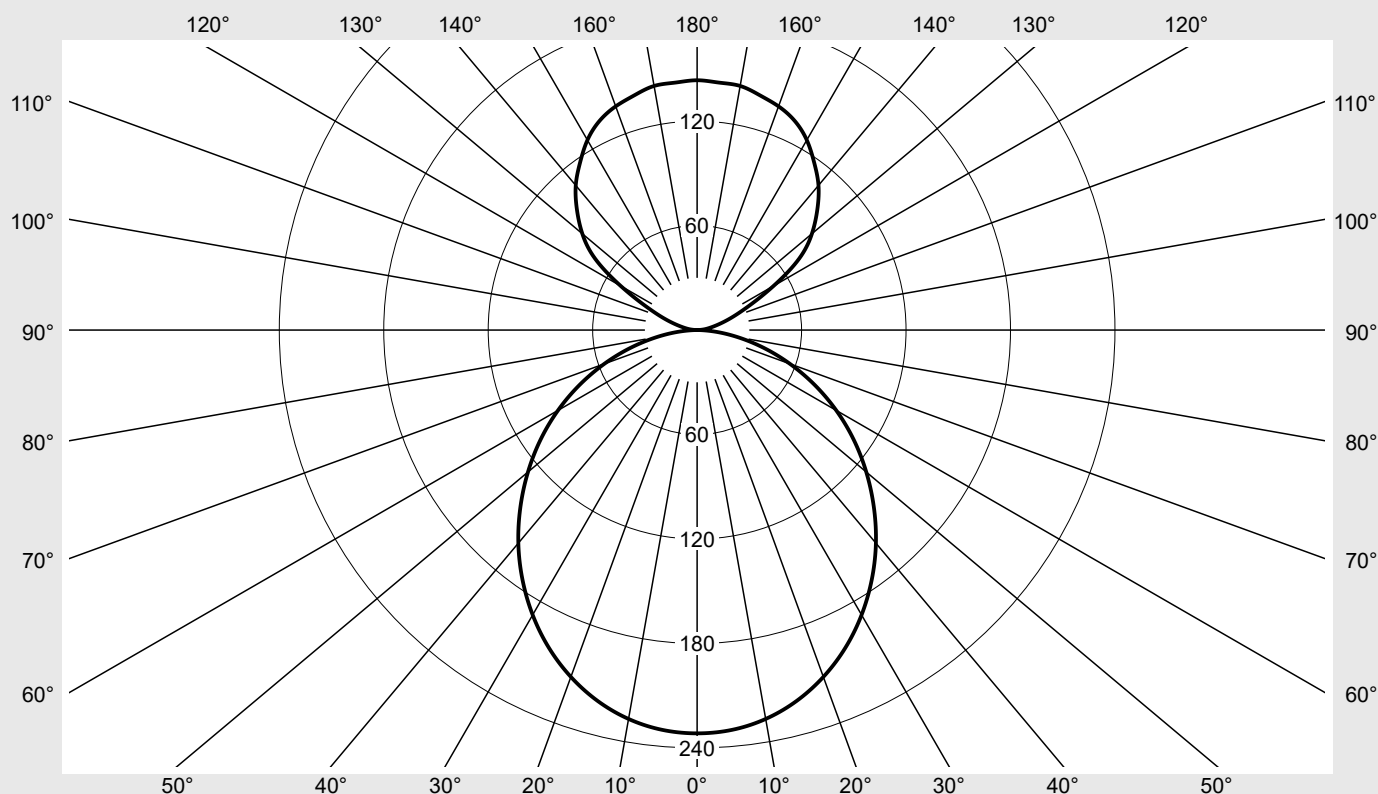
Power consumption = 24.9 W

Luminous efficacy = 141 lm/W

Luminous intensity in cd/klm

C180-0

Imax: 232 cd/klm



Classifications

DIN 5040 B 4 3
CIE N1=49 N2=79 N3=96
N4=62 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 62.3%
 ϕ_o 37.7%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity

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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm		Luminous flux in lm/klm
0°	231.6	1.4	1.4
5°	230.5	11.0	12.4
10°	226.8	21.6	34.0
15°	220.6	31.3	65.3
20°	212.0	39.7	105.0
25°	201.4	46.7	151.7
30°	188.9	51.8	203.5
35°	174.9	55.0	258.5
40°	159.8	56.3	314.7
45°	143.5	55.6	370.4
50°	126.8	53.3	423.6
55°	109.8	49.3	472.9
60°	92.3	43.8	516.7
65°	74.5	37.0	553.7
70°	56.7	29.2	582.9
75°	39.7	21.0	604.0
80°	23.9	12.9	616.9
85°	10.3	5.6	622.5
90°	0.8	0.4	622.9
95°	3.3	1.8	624.7
100°	7.4	4.0	628.7
105°	13.0	6.9	635.6
110°	21.3	11.0	646.5
115°	32.8	16.3	662.8
120°	50.7	24.1	686.9
125°	71.6	32.1	719.0
130°	86.1	36.1	755.2
135°	97.6	37.8	793.0
140°	108.5	38.2	831.2
145°	117.3	36.9	868.1
150°	126.0	34.5	902.6
155°	132.6	30.7	933.3
160°	136.7	25.6	959.0
165°	139.6	19.8	978.8
170°	142.4	13.6	992.3
175°	142.7	6.8	999.1
180°	143.5	0.9	1000.0

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UGR-Table		Standard room							siteco		
Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		View crosswise (C0)					View endwise (C90)				
x	y										
2H	2H	15.9	17.0	16.7	17.8	18.8	15.9	17.0	16.7	17.8	18.8
	3H	17.3	18.3	18.2	19.1	20.2	17.3	18.3	18.2	19.1	20.2
	4H	18.0	18.9	18.8	19.7	20.8	18.0	18.9	18.8	19.7	20.8
	6H	18.4	19.2	19.3	20.1	21.2	18.4	19.2	19.3	20.1	21.2
	8H	18.5	19.2	19.4	20.1	21.2	18.5	19.2	19.4	20.1	21.2
	12H	18.6	19.3	19.5	20.2	21.3	18.6	19.3	19.5	20.2	21.3
4H	2H	16.5	17.4	17.4	18.3	19.3	16.5	17.4	17.4	18.3	19.3
	3H	18.2	18.9	19.0	19.8	20.9	18.2	18.9	19.0	19.8	20.9
	4H	18.9	19.5	19.8	20.4	21.6	18.9	19.5	19.8	20.4	21.6
	6H	19.4	20.0	20.3	20.9	22.1	19.4	20.0	20.3	20.9	22.1
	8H	19.5	20.1	20.5	21.0	22.2	19.5	20.1	20.5	21.0	22.2
	12H	19.7	20.2	20.6	21.1	22.3	19.7	20.2	20.6	21.1	22.3
8H	4H	19.1	19.6	20.0	20.5	21.7	19.1	19.6	20.0	20.5	21.7
	6H	19.7	20.2	20.7	21.1	22.3	19.7	20.2	20.7	21.1	22.3
	8H	20.0	20.4	20.9	21.3	22.5	20.0	20.4	20.9	21.3	22.5
	12H	20.2	20.6	21.2	21.5	22.7	20.2	20.6	21.2	21.5	22.7
12H	4H	19.1	19.6	20.1	20.5	21.7	19.1	19.6	20.1	20.5	21.7
	6H	19.8	20.2	20.8	21.2	22.4	19.8	20.2	20.8	21.2	22.4
	8H	20.1	20.5	21.1	21.4	22.6	20.1	20.5	21.1	21.4	22.6

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 386
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C-planes		0°
γ	Luminance in cd/m²	
45°	6088.0	
50°	5918.1	
55°	5742.2	
60°	5535.6	
65°	5284.5	
70°	4975.6	
75°	4604.7	
80°	4132.8	
85°	3530.6	

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Luminance values in cd/m²

γ 65°

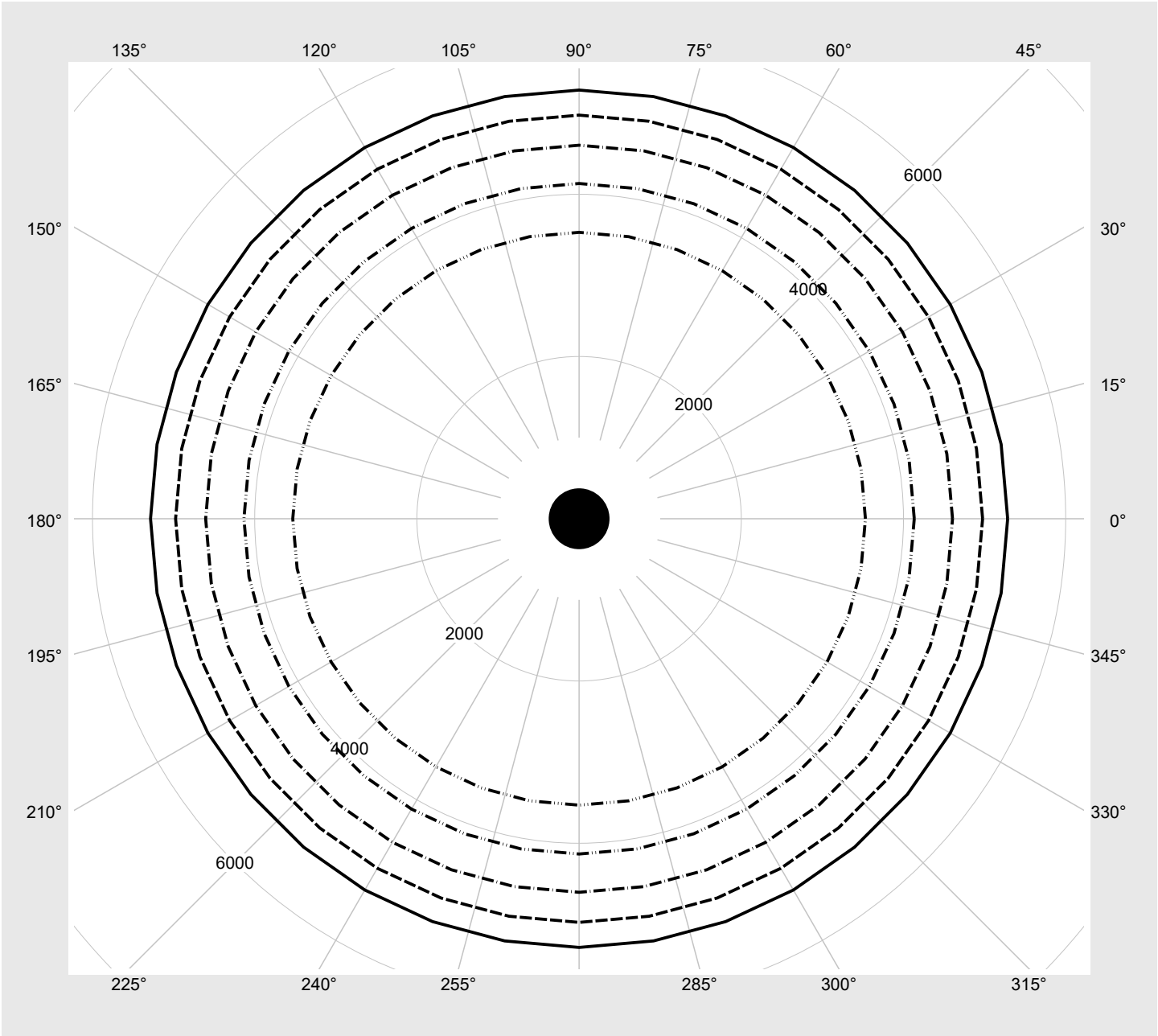
γ 70°

γ 75°

γ 80°

γ 85°

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Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3510	24.9
95	241	252	3333	23.6
90	228	250	3155	22.3
85	216	248	2990	21.2
80	203	246	2812	20.0
75	190	243	2632	18.8
70	177	241	2453	17.6
65	165	238	2287	16.5
60	152	235	2106	15.3
55	139	232	1925	14.1
50	127	229	1758	13.0
45	114	225	1576	11.7
40	102	221	1408	10.6
35	89	216	1226	9.4
30	77	210	1058	8.2
25	64	204	875	7.0
20	52	196	706	5.9
15	39	185	522	4.6
10	27	172	353	3.4
5	15	150	182	2.1
3	9	132	97	1.4