

Photometric test report

Family
Silica® 21 round S

Order number: 51ME31DA3NSA
EAN: 4069025800381

LP number
60079_2

serial
documentation
20.05.2026



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

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

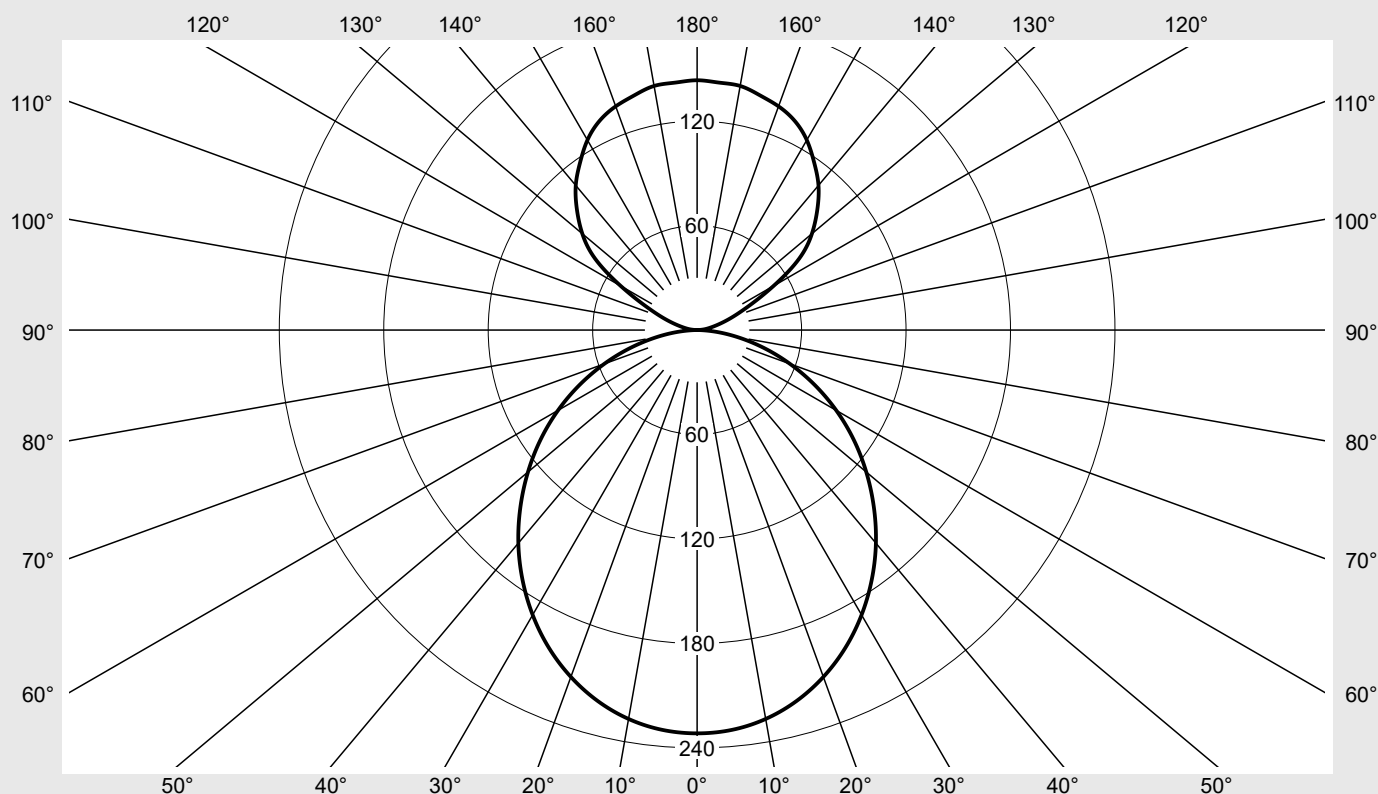
Rated values Net luminous flux = 3520 lm
Power consumption = 26.0 W
Luminous efficacy = 135.4 lm/W

siteco

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
		siTeco

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	18.9	15.9	17.0	16.7	17.8	18.9
	3H	17.4	18.3	18.2	19.1	20.2	17.4	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	19.6	19.8	20.5	21.6	18.9	19.6	19.8	20.5	21.6
	6H	19.5	20.0	20.4	21.0	22.1	19.5	20.0	20.4	21.0	22.1
	8H	19.6	20.1	20.5	21.0	22.2	19.6	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	21.0	21.4	22.6	20.0	20.4	21.0	21.4	22.6
	12H	20.3	20.6	21.2	21.5	22.7	20.3	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	19.9	20.2	20.8	21.2	22.4	19.9	20.2	20.8	21.2	22.4
	8H	20.2	20.5	21.1	21.4	22.6	20.2	20.5	21.1	21.4	22.6

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 386
C-planes	0°		
γ	Luminance in cd/m²		
45°	6105.3		
50°	5934.9		
55°	5758.6		
60°	5551.4		
65°	5299.6		
70°	4989.7		
75°	4617.8		
80°	4144.6		
85°	3540.7		

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Luminance values in cd/m²

γ 65°

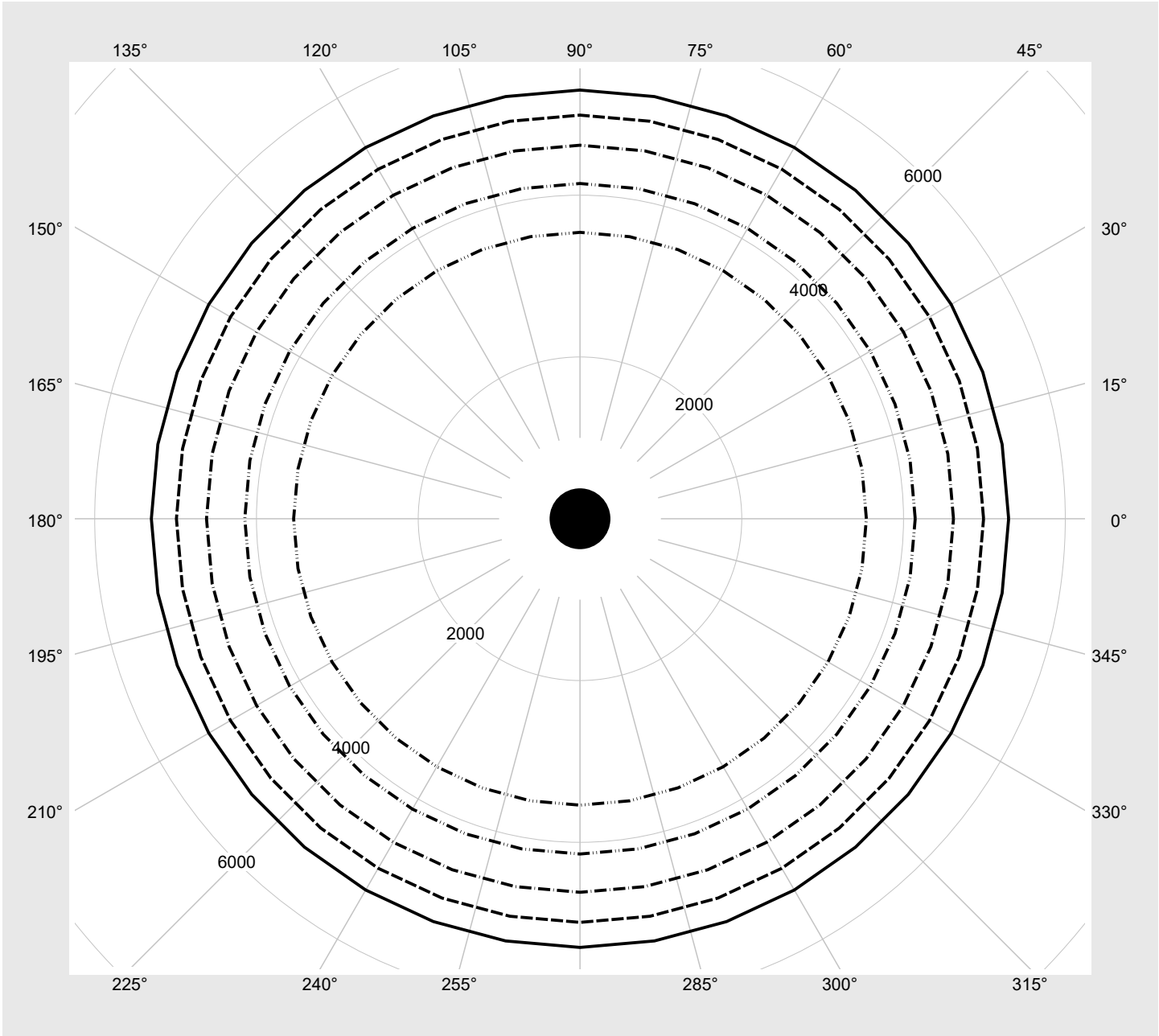
γ 70°

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	3520	26.0
95	241	252	3343	24.7
90	228	250	3165	23.4
85	215	248	2986	22.1
80	203	246	2822	20.9
75	190	243	2643	19.7
70	177	241	2463	18.4
65	164	238	2283	17.1
60	152	235	2116	15.9
55	139	232	1935	14.7
50	126	228	1754	13.4
45	114	225	1585	12.3
40	101	220	1403	11.0
35	89	216	1234	9.8
30	76	210	1051	8.4
25	64	204	881	7.3
20	51	195	697	6.0
15	39	185	527	4.7
10	27	172	356	3.6
5	14	148	171	2.0
2	8	127	85	1.3