

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DA3NSA
EAN: 4069025807199

LP number
60079_4



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 = 3510 lm
Power consumption = 23.8 W
Luminous efficacy = 147.5 lm/W

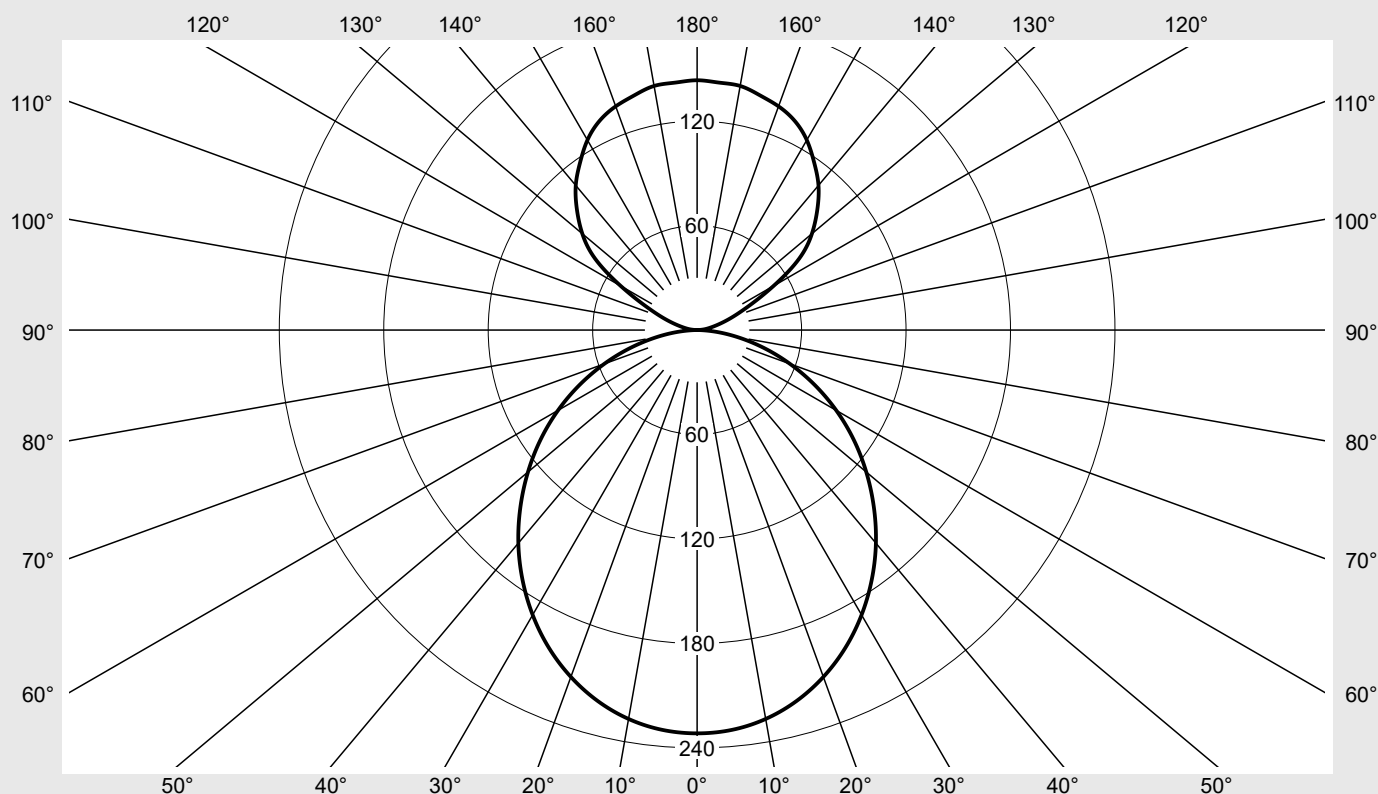
serial
documentation
20.05.2026

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	
Reflection factor of walls		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	
Reflection factor of floor		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)				
2H	x										
	y										
	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
4H	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
	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	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
	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	
C-planes		0°			

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Luminance values in cd/m²

γ 65°

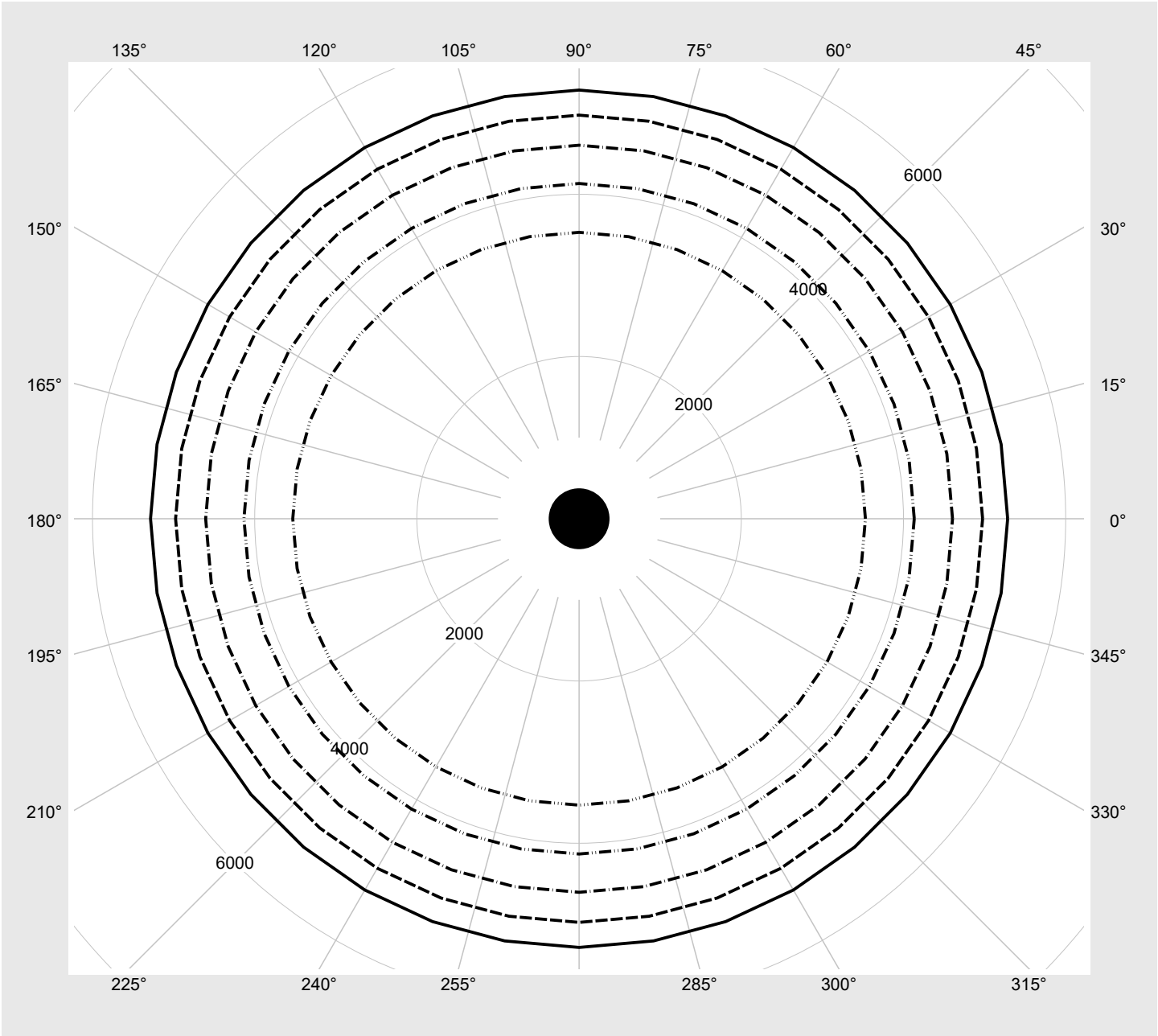
γ 70°

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	23.8
95	241	252	3335	22.6
90	228	250	3159	21.5
85	215	248	2982	20.3
80	202	246	2805	19.1
75	189	243	2626	17.9
70	177	241	2461	16.8
65	164	238	2282	15.6
60	151	235	2102	14.5
55	139	232	1936	13.5
50	126	228	1754	12.3
45	113	224	1573	11.1
40	101	220	1405	10.0
35	88	215	1222	8.8
30	76	210	1053	7.7
25	64	204	883	6.7
20	51	195	699	5.5
15	39	185	528	4.4
10	27	172	356	3.2
5	14	148	170	1.8
3	9	132	98	1.3