

Photometric test report

Family
Silica® 21 round S

Order number: 51ME33DA4MSA
EAN: 4069025800565

LP number
60076_3

serial
documentation
20.05.2026



Version Suspended luminaire, housing, silver,
microprismatic optics, direct-/ indirect
distribution, wide distribution, UGR≤19

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 3820 lm
Power consumption = 26.6 W
Luminous efficacy = 143.6 lm/W

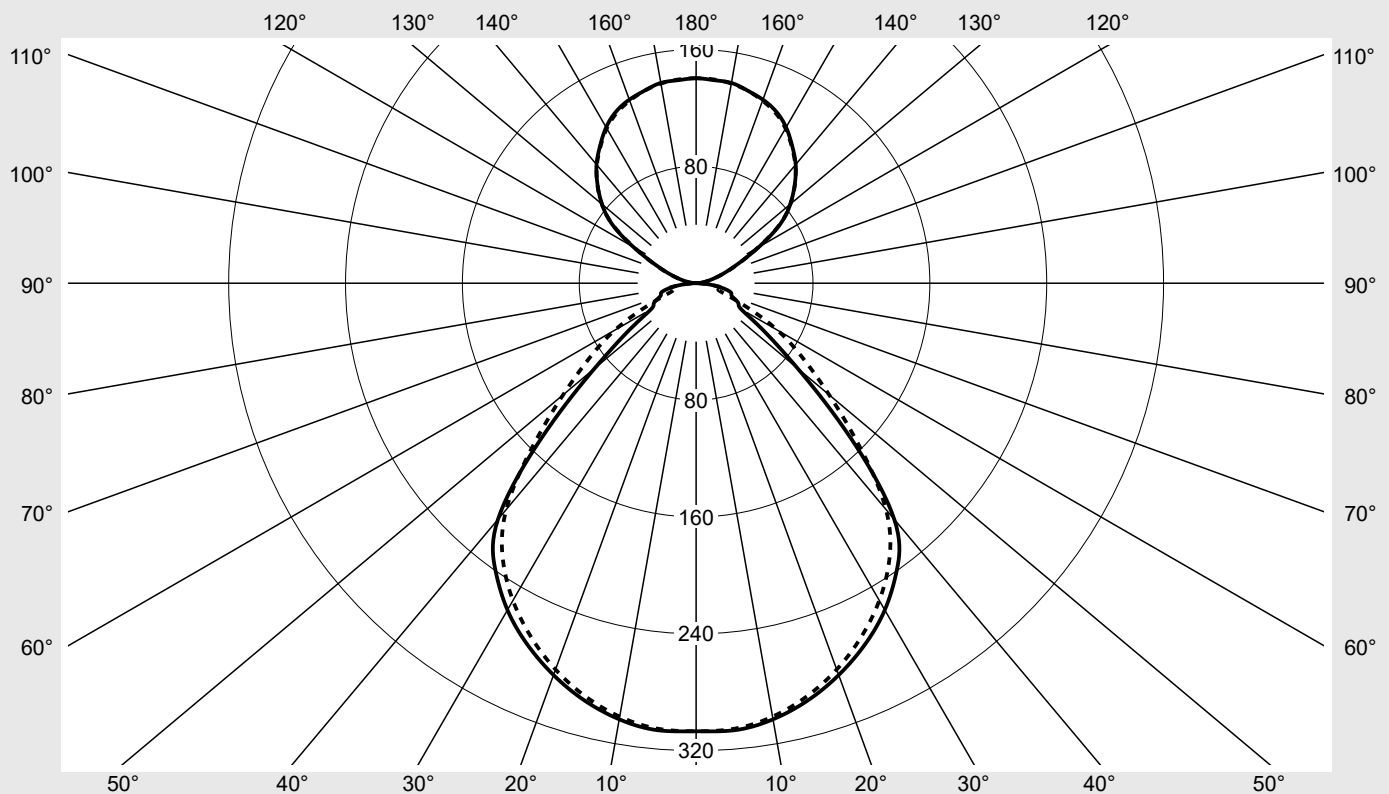
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 307 cd/klm



Classifications

DIN 5040 B 5 3
CIE N1=64 N2=89 N3=97
N4=63 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 63.1%
 ϕ_o 36.9%

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° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	306.7	306.7	306.7	306.7	306.7	306.7	306.7	1.8	1.8
5°	307.1	305.5	303.8	304.8	306.3	306.1	306.1	14.6	16.4
10°	303.1	301.5	299.5	300.3	301.6	301.3	301.3	28.7	45.1
15°	295.7	294.0	291.8	292.4	293.3	292.9	292.8	41.6	86.7
20°	285.4	283.8	281.3	281.4	282.0	281.5	281.4	52.9	139.6
25°	273.1	271.2	268.2	268.0	268.6	267.8	267.3	62.3	201.9
30°	258.3	256.0	252.5	252.3	253.1	251.8	250.8	69.4	271.3
35°	239.6	237.4	233.1	233.4	233.9	232.6	230.7	73.6	345.0
40°	211.1	211.1	207.3	207.0	203.6	204.6	202.2	72.8	417.8
45°	149.2	158.8	161.1	158.0	144.2	157.7	158.5	60.3	478.1
50°	90.7	104.0	121.5	104.0	90.1	102.4	118.8	43.9	522.0
55°	55.9	63.9	90.5	63.6	55.4	62.2	89.0	30.5	552.5
60°	35.6	43.1	63.5	43.6	35.5	42.6	64.3	22.0	574.6
65°	31.8	36.9	39.3	37.8	32.6	37.8	37.2	18.1	592.7
70°	26.1	31.8	20.1	32.4	26.2	32.5	19.9	14.3	606.9
75°	24.7	22.2	17.6	22.7	25.0	22.5	16.1	11.5	618.4
80°	17.7	13.4	17.5	13.0	17.9	13.7	18.7	8.4	626.9
85°	8.3	7.7	6.5	7.8	8.2	7.9	6.6	4.1	631.0
90°	0.8	1.0	0.6	0.9	0.6	0.7	0.4	0.4	631.4
95°	3.2	3.1	3.1	3.0	3.1	3.1	3.1	1.7	633.1
100°	7.2	7.0	7.0	7.1	7.2	7.2	7.2	3.8	636.9
105°	12.7	12.5	12.7	12.8	12.9	12.8	12.9	6.8	643.7
110°	20.8	20.7	21.0	21.2	21.2	21.2	21.2	10.8	654.6
115°	32.1	32.1	32.3	32.5	32.7	32.8	32.7	16.1	670.7
120°	49.6	49.4	49.2	49.2	49.1	49.1	49.0	23.4	694.0
125°	70.0	69.8	69.8	69.7	70.1	70.1	69.7	31.4	725.4
130°	84.2	84.0	84.2	84.5	85.0	84.6	84.2	35.4	760.9
135°	95.4	95.5	95.8	96.4	96.4	95.9	95.7	37.2	798.0
140°	106.1	105.8	105.9	106.2	106.1	105.8	105.6	37.3	835.4
145°	114.7	114.8	115.0	114.9	114.6	114.5	114.2	36.1	871.4
150°	123.2	123.2	123.2	122.9	122.6	122.6	122.3	33.7	905.1
155°	129.7	129.3	129.0	128.7	128.6	128.6	128.6	29.9	935.0
160°	133.7	133.4	133.1	132.8	133.1	132.7	132.9	24.9	959.9
165°	136.5	136.5	136.4	136.5	136.4	136.1	136.4	19.3	979.3
170°	139.2	139.2	139.1	138.8	138.4	138.6	138.7	13.2	992.5
175°	139.5	139.6	139.6	139.8	139.8	139.9	140.0	6.7	999.2
180°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	0.8	1000.0

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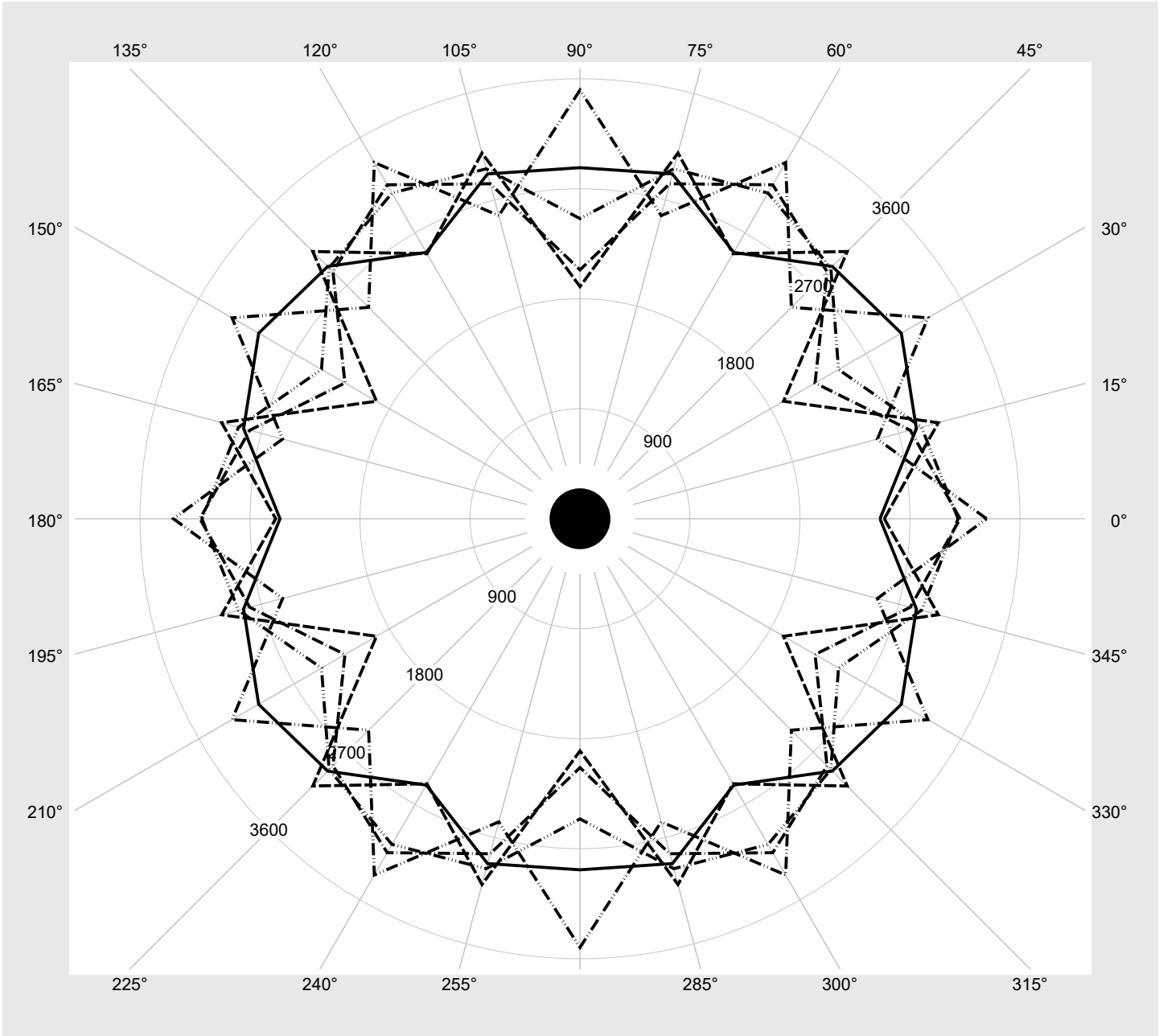
Family Silica® 21 round S	Order number: 51ME33DA4MSA EAN: 4069025800565	LP number 60076_3
UGR-Table	Standard room	siteco

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	14.4	15.4	15.2	16.2	17.3	14.2	15.2	15.0	16.0	17.1
	3H	15.0	15.9	15.8	16.7	17.8	14.8	15.7	15.7	16.6	17.6
	4H	15.4	16.3	16.3	17.1	18.2	15.1	16.0	16.0	16.8	17.9
	6H	15.9	16.6	16.8	17.5	18.6	15.6	16.3	16.4	17.2	18.3
	8H	16.0	16.7	16.9	17.6	18.7	15.7	16.4	16.6	17.3	18.4
	12H	16.1	16.8	17.0	17.7	18.8	15.9	16.5	16.7	17.4	18.5
4H	2H	14.5	15.3	15.4	16.2	17.3	14.4	15.2	15.2	16.1	17.1
	3H	15.3	16.0	16.2	16.8	17.9	15.3	16.0	16.2	16.8	17.9
	4H	15.8	16.4	16.7	17.3	18.4	15.8	16.4	16.7	17.3	18.4
	6H	16.4	16.9	17.3	17.8	19.0	16.3	16.9	17.2	17.8	18.9
	8H	16.5	17.0	17.5	17.9	19.1	16.5	17.0	17.4	17.9	19.1
	12H	16.8	17.2	17.7	18.1	19.3	16.7	17.1	17.7	18.1	19.2
8H	4H	15.9	16.4	16.9	17.3	18.5	15.9	16.4	16.8	17.3	18.5
	6H	16.7	17.0	17.6	18.0	19.2	16.6	17.0	17.6	18.0	19.2
	8H	17.0	17.4	18.0	18.3	19.5	17.0	17.4	18.0	18.3	19.5
	12H	17.3	17.6	18.3	18.6	19.8	17.3	17.6	18.3	18.6	19.8
12H	4H	16.0	16.4	16.9	17.3	18.5	16.0	16.4	16.9	17.3	18.5
	6H	16.8	17.1	17.7	18.1	19.3	16.8	17.1	17.7	18.0	19.2
	8H	17.2	17.5	18.1	18.4	19.6	17.2	17.5	18.1	18.4	19.6

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 386	
C-planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
		Luminance in cd/m²					
γ							
45°	6890.1	7333.3	7439.1	7296.1	6658.5	7281.9	7316.1
50°	4605.6	5283.7	6169.0	5280.6	4575.1	5199.9	6035.4
55°	3181.2	3634.4	5150.2	3618.5	3152.0	3539.9	5064.8
60°	2324.9	2816.8	4147.1	2847.7	2317.8	2779.8	4196.0
65°	2454.9	2849.8	3036.4	2920.0	2516.2	2921.1	2872.5
70°	2490.1	3035.8	1923.1	3092.6	2504.1	3098.5	1899.6
75°	3110.3	2798.1	2221.1	2859.1	3155.2	2837.8	2036.3
80°	3327.2	2519.4	3287.7	2446.5	3365.7	2567.7	3507.7
85°	3094.1	2893.4	2442.8	2903.1	3077.3	2964.1	2455.9

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°		siteco



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Family Silica® 21 round S	Order number: 51ME33DA4MSA EAN: 4069025800565	LP number 60076_3
Dimming levels table		environmental temperature: 25°C
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Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3820	26.6
95	241	252	3627	25.3
90	228	250	3434	24.0
85	215	248	3241	22.6
80	203	246	3061	21.4
75	190	243	2867	20.1
70	177	241	2671	18.8
65	164	238	2476	17.5
60	152	235	2295	16.3
55	139	232	2098	15.0
50	127	229	1916	13.8
45	114	225	1718	12.5
40	102	221	1535	11.3
35	89	216	1337	10.0
30	76	210	1139	8.6
25	64	204	955	7.4
20	52	196	771	6.2
15	39	185	571	4.9
10	27	172	386	3.6
5	14	148	185	2.1
2	8	127	93	1.4