

Photometric test report

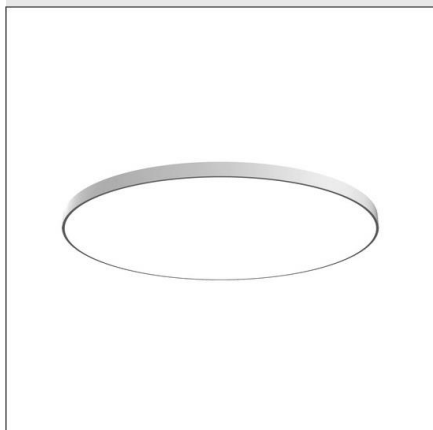
Family
Silica® 21 round L

Order number: 51ME21DC3NSA
EAN: 4069025804297

LP number
60073_50

serial
documentation
20.05.2026

siteco



Version

surface-mounted luminaire, housing, silver,
cover, opal, direct extremely wide distribution
with ceiling illumination, UGR≤22

Lamps

LED 3000 K | CRI ≥ 80

Controlgear

ECG-DALI

Rated values

Net luminous flux = 11880 lm

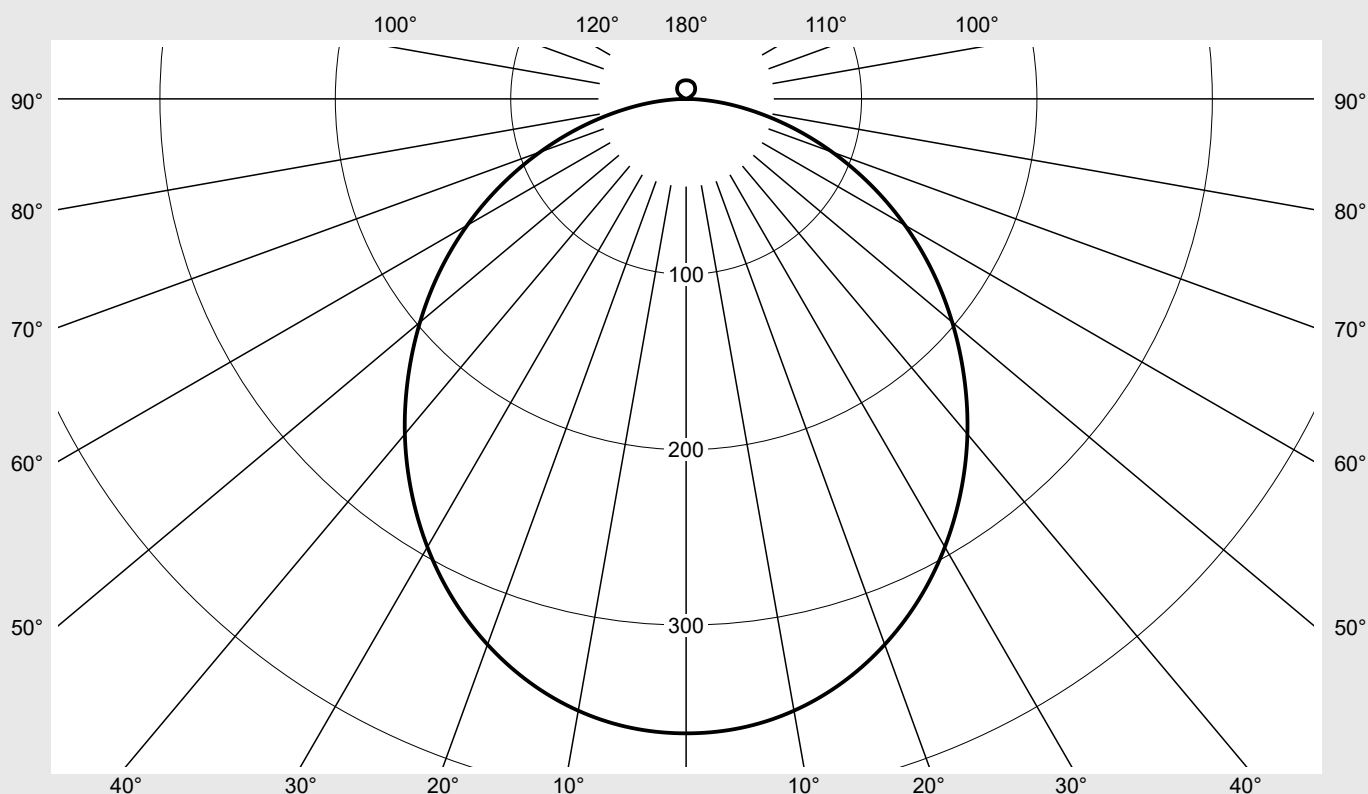
Power consumption = 77.3 W

Luminous efficacy = 153.7 lm/W

Luminous intensity in cd/klm

C180-0

Imax: 362 cd/klm



Classifications

DIN 5040 A 4 3
CIE N1=49 N2=79 N3=96
N4=97 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 97.2%
 ϕ_o 2.8%

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°	361.7	2.2	2.2
5°	359.9	17.2	19.4
10°	354.2	33.7	53.1
15°	344.4	48.9	101.9
20°	331.1	62.1	164.0
25°	314.5	72.9	236.9
30°	295.0	80.9	317.7
35°	273.1	85.9	403.6
40°	249.5	87.9	491.5
45°	224.1	86.9	578.4
50°	198.0	83.2	661.5
55°	171.5	77.0	738.5
60°	144.1	68.4	806.9
65°	116.3	57.8	864.7
70°	88.6	45.6	910.3
75°	62.0	32.8	943.1
80°	37.4	20.2	963.3
85°	16.0	8.7	972.1
90°	0.1	0.0	972.1
95°	0.2	0.1	972.2
100°	0.5	0.3	972.5
105°	1.0	0.5	973.0
110°	1.6	0.8	973.8
115°	2.4	1.2	975.0
120°	3.8	1.8	976.8
125°	5.3	2.4	979.2
130°	6.4	2.7	981.9
135°	7.2	2.8	984.7
140°	8.0	2.8	987.5
145°	8.7	2.7	990.2
150°	9.3	2.6	992.8
155°	9.8	2.3	995.1
160°	10.1	1.9	997.0
165°	10.3	1.5	998.4
170°	10.5	1.0	999.4
175°	10.6	0.5	999.9
180°	10.6	0.1	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	18.4	20.1	18.7	20.4	20.7	18.4	20.1	18.7	20.4	20.7		
	3H	20.0	21.5	20.3	21.8	22.2	20.0	21.5	20.3	21.8	22.2		
	4H	20.6	22.0	21.0	22.4	22.7	20.6	22.0	21.0	22.4	22.7		
	6H	21.1	22.4	21.5	22.7	23.1	21.1	22.4	21.5	22.7	23.1		
	8H	21.3	22.5	21.7	22.9	23.3	21.3	22.5	21.7	22.9	23.3		
	12H	21.4	22.5	21.8	22.9	23.3	21.4	22.5	21.8	22.9	23.3		
4H	2H	19.1	20.6	19.5	20.9	21.3	19.1	20.6	19.5	20.9	21.3		
	3H	20.9	22.1	21.3	22.5	22.9	20.9	22.1	21.3	22.5	22.9		
	4H	21.6	22.7	22.1	23.1	23.6	21.6	22.7	22.1	23.1	23.6		
	6H	22.2	23.2	22.7	23.6	24.1	22.2	23.2	22.7	23.6	24.1		
	8H	22.4	23.3	22.9	23.8	24.2	22.4	23.3	22.9	23.8	24.2		
	12H	22.6	23.4	23.1	23.8	24.3	22.6	23.4	23.1	23.8	24.3		
8H	4H	22.0	22.8	22.4	23.3	23.8	22.0	22.8	22.4	23.3	23.8		
	6H	22.7	23.4	23.2	23.9	24.4	22.7	23.4	23.2	23.9	24.4		
	8H	23.0	23.6	23.5	24.1	24.6	23.0	23.6	23.5	24.1	24.6		
	12H	23.2	23.7	23.7	24.2	24.8	23.2	23.7	23.7	24.2	24.8		
12H	4H	22.0	22.8	22.5	23.3	23.7	22.0	22.8	22.5	23.3	23.7		
	6H	22.8	23.4	23.3	23.9	24.4	22.8	23.4	23.3	23.9	24.4		
	8H	23.1	23.6	23.6	24.1	24.7	23.1	23.6	23.6	24.1	24.7		

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 886
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C-planes	0°
γ	Luminance in cd/m²
45°	6107.2
50°	5936.7
55°	5760.4
60°	5553.1
65°	5301.2
70°	4991.2
75°	4619.2
80°	4145.9
85°	3541.4

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Luminance values in cd/m²

γ 65°

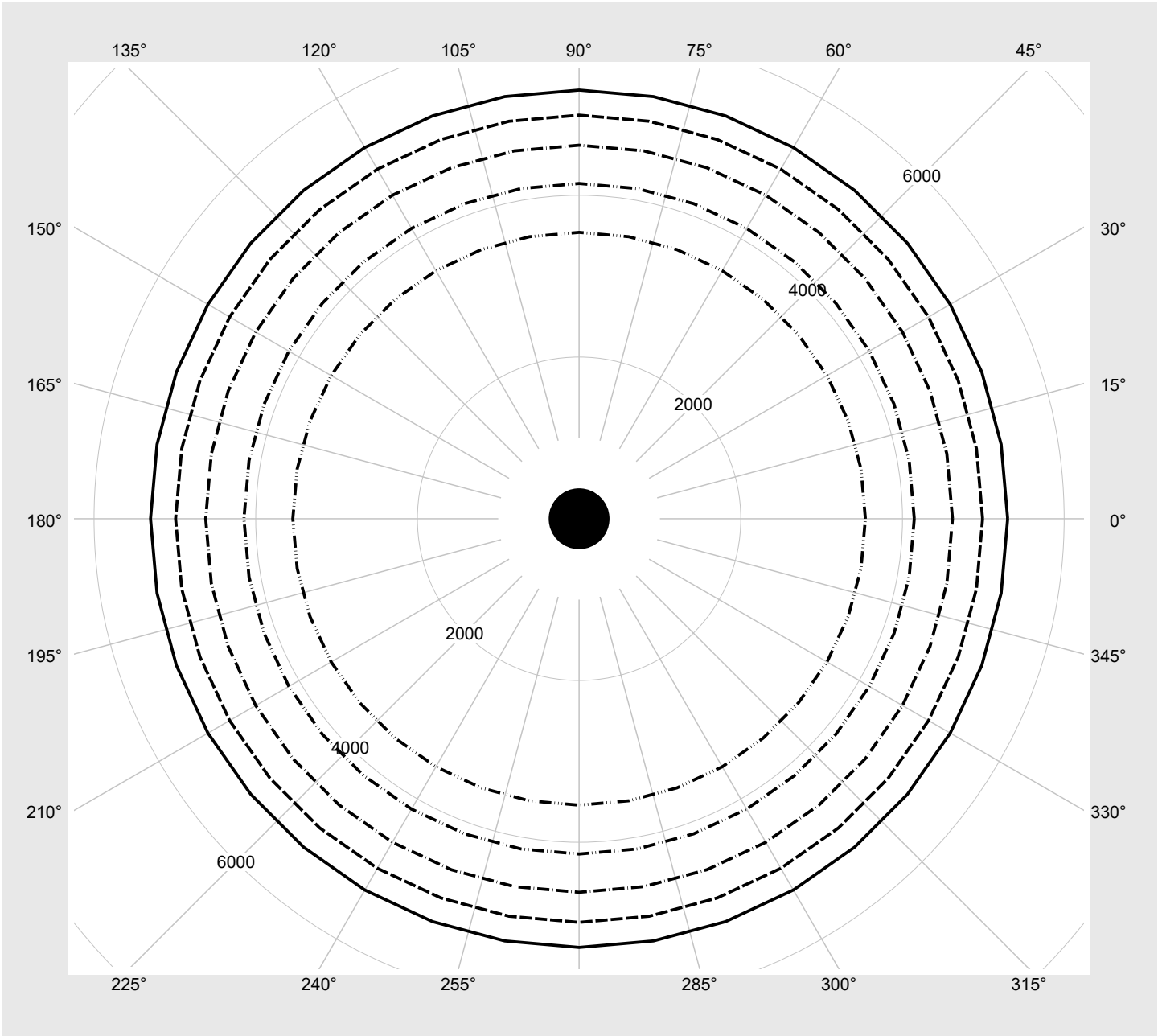
γ 70°

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	11880	77.3
95	241	252	11281	73.4
90	228	250	10680	69.5
85	215	248	10078	65.6
80	203	246	9521	62.0
75	190	243	8915	58.3
70	177	241	8307	54.3
65	165	238	7745	50.7
60	152	235	7134	46.9
55	139	232	6524	43.1
50	127	229	5958	39.6
45	114	225	5344	35.9
40	102	221	4775	32.3
35	89	216	4158	28.6
30	77	210	3587	25.1
25	64	204	2966	21.3
20	52	196	2392	17.9
15	39	185	1770	14.2
10	27	172	1193	10.9
5	15	150	615	7.4
0	3	91	37	3.6