

Photometric test report

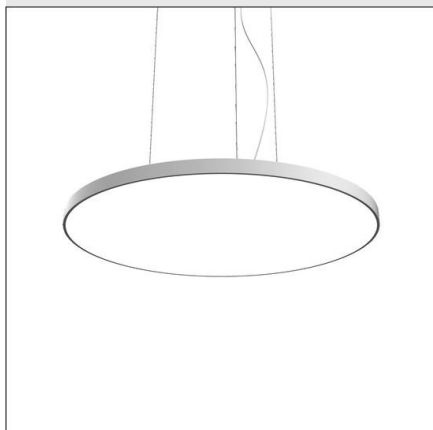
Family
Silica® 21 round L

Order number: 51MF31DCENSA
EAN: 4069025807854

LP number
60085_13

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 ≥ 90

Controlgear

ECG-DALI

Rated values

Net luminous flux = 14650 lm

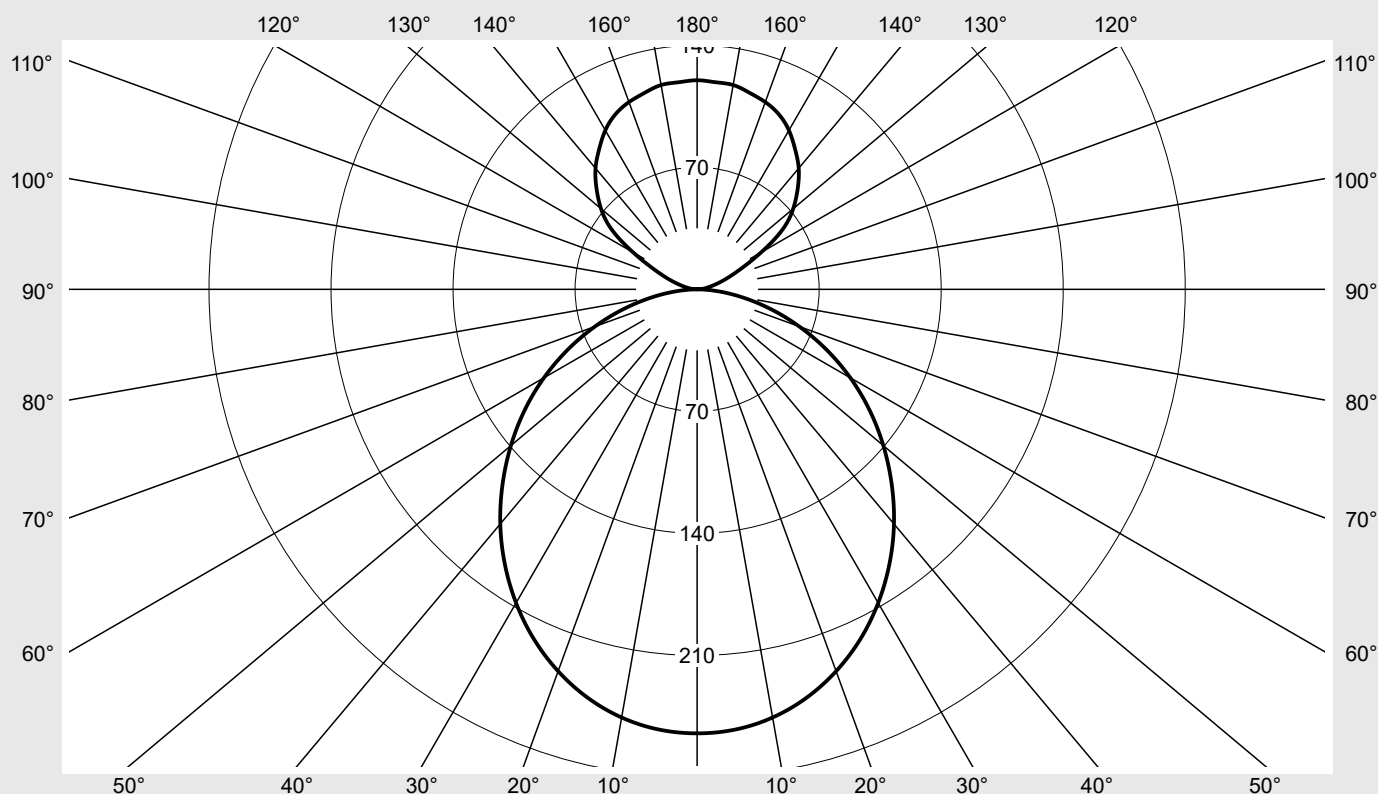
Power consumption = 90.2 W

Luminous efficacy = 162.4 lm/W

Luminous intensity in cd/klm

C180-0

Imax: 255 cd/klm



Classifications

DIN 5040 B 4 3
CIE N1=49 N2=79 N3=96
N4=68 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 68.5%
 ϕ_o 31.5%

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°	254.7	1.5	1.5
5°	253.4	12.1	13.6
10°	249.4	23.7	37.4
15°	242.5	34.4	71.8
20°	233.1	43.7	115.5
25°	221.5	51.3	166.8
30°	207.7	56.9	223.7
35°	192.3	60.5	284.2
40°	175.7	61.9	346.1
45°	157.8	61.2	407.2
50°	139.4	58.6	465.8
55°	120.7	54.2	520.0
60°	101.5	48.2	568.2
65°	81.9	40.7	608.8
70°	62.4	32.1	641.0
75°	43.7	23.1	664.1
80°	26.3	14.2	678.3
85°	11.3	6.2	684.5
90°	0.7	0.4	684.8
95°	2.7	1.5	686.3
100°	6.1	3.3	689.6
105°	10.8	5.7	695.4
110°	17.8	9.2	704.5
115°	27.5	13.6	718.2
120°	42.4	20.1	738.3
125°	59.8	26.9	765.2
130°	71.9	30.2	795.4
135°	81.6	31.6	827.0
140°	90.7	31.9	858.9
145°	98.0	30.8	889.7
150°	105.3	28.9	918.6
155°	110.8	25.7	944.3
160°	114.3	21.4	965.7
165°	116.6	16.5	982.3
170°	119.0	11.3	993.6
175°	119.3	5.7	999.3
180°	119.9	0.7	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	16.6	17.8	18.7	15.9	17.0	16.6	17.8	18.7
	3H	17.3	18.3	18.1	19.1	20.1	17.3	18.3	18.1	19.1	20.1
	4H	18.0	18.9	18.7	19.7	20.7	18.0	18.9	18.7	19.7	20.7
	6H	18.4	19.3	19.2	20.1	21.1	18.4	19.3	19.2	20.1	21.1
	8H	18.5	19.3	19.3	20.1	21.1	18.5	19.3	19.3	20.1	21.1
	12H	18.6	19.4	19.4	20.2	21.2	18.6	19.4	19.4	20.2	21.2
4H	2H	16.5	17.5	17.3	18.3	19.2	16.5	17.5	17.3	18.3	19.2
	3H	18.2	19.0	19.0	19.8	20.8	18.2	19.0	19.0	19.8	20.8
	4H	18.9	19.6	19.7	20.4	21.5	18.9	19.6	19.7	20.4	21.5
	6H	19.5	20.1	20.3	20.9	22.0	19.5	20.1	20.3	20.9	22.0
	8H	19.6	20.1	20.4	21.0	22.1	19.6	20.1	20.4	21.0	22.1
	12H	19.7	20.2	20.6	21.1	22.2	19.7	20.2	20.6	21.1	22.2
8H	4H	19.1	19.7	20.0	20.5	21.6	19.1	19.7	20.0	20.5	21.6
	6H	19.8	20.2	20.6	21.1	22.2	19.8	20.2	20.6	21.1	22.2
	8H	20.0	20.5	20.9	21.3	22.5	20.0	20.5	20.9	21.3	22.5
	12H	20.3	20.6	21.2	21.5	22.6	20.3	20.6	21.2	21.5	22.6
12H	4H	19.2	19.7	20.0	20.5	21.6	19.2	19.7	20.0	20.5	21.6
	6H	19.9	20.3	20.8	21.2	22.3	19.9	20.3	20.8	21.2	22.3
	8H	20.2	20.5	21.1	21.4	22.5	20.2	20.5	21.1	21.4	22.5

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 886
C-planes		0°		
γ	Luminance in cd/m²			
45°	5303.0			
50°	5155.0			
55°	5001.8			
60°	4821.8			
65°	4603.1			
70°	4333.9			
75°	4010.9			
80°	3600.0			
85°	3075.3			

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Luminance values in cd/m²

γ 65°

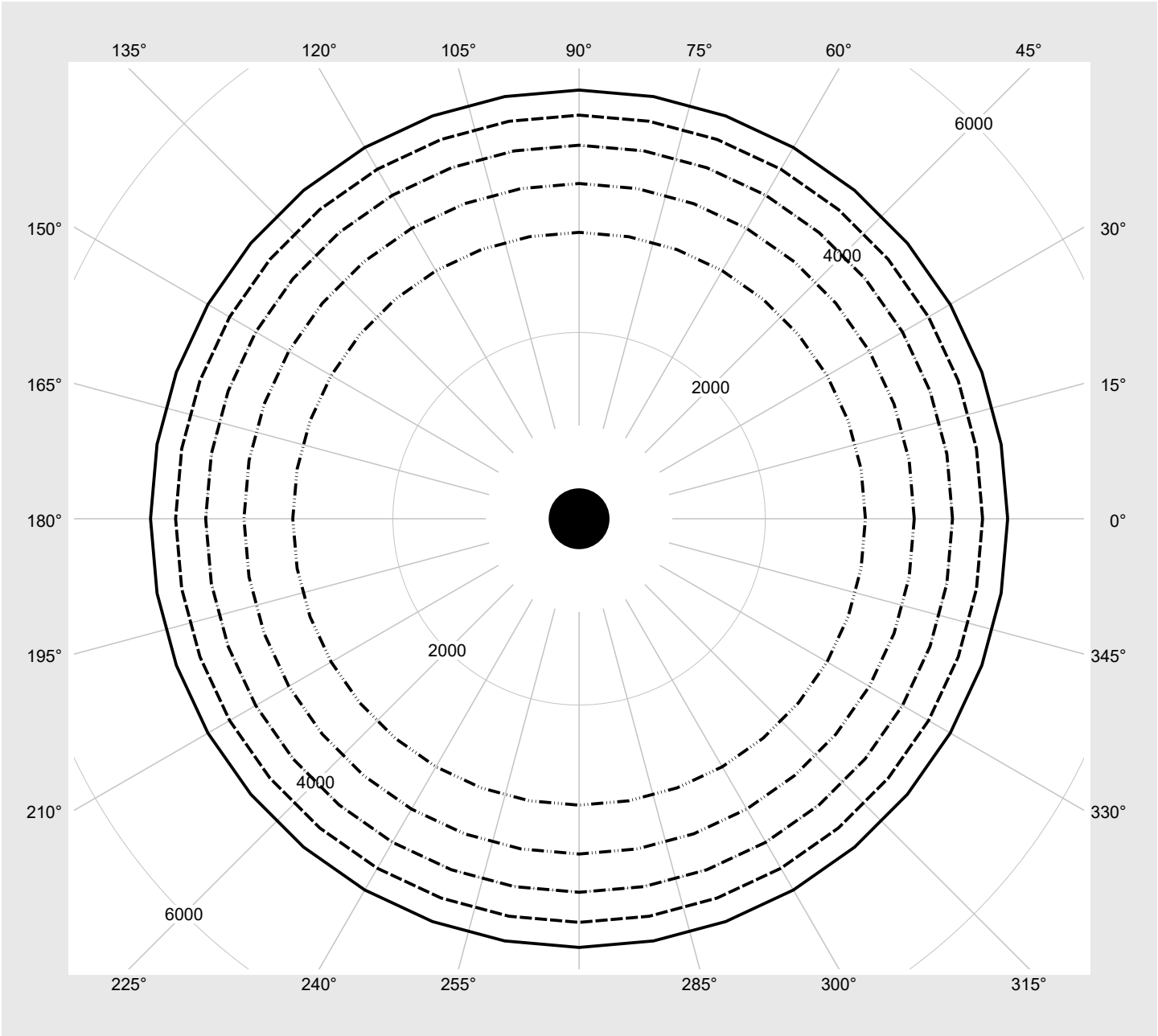
γ 70°

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	14650	90.2
95	241	252	13925	85.6
90	228	250	13200	81.0
85	215	248	12470	76.3
80	202	246	11739	71.7
75	189	243	11002	67.0
70	176	241	10263	62.4
65	163	238	9520	57.9
60	150	235	8775	53.4
55	138	232	8085	49.2
50	125	228	7335	44.8
45	112	224	6580	40.4
40	100	220	5881	36.2
35	87	215	5121	31.9
30	75	209	4419	28.0
25	62	202	3653	23.7
20	50	194	2945	19.5
15	37	183	2174	14.8
10	25	169	1460	10.4
5	13	145	744	6.1
3	8	127	445	4.3