

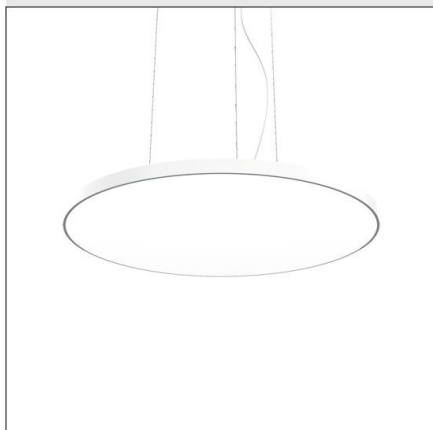
Photometric test report

Family
Silica® 21 round L

Order number: 51ME33DC3MWA
EAN: 4069025804679

LP number
60080_8

serial
documentation
20.05.2026



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

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 13990 lm
Power consumption = 89.0 W
Luminous efficacy = 157.2 lm/W

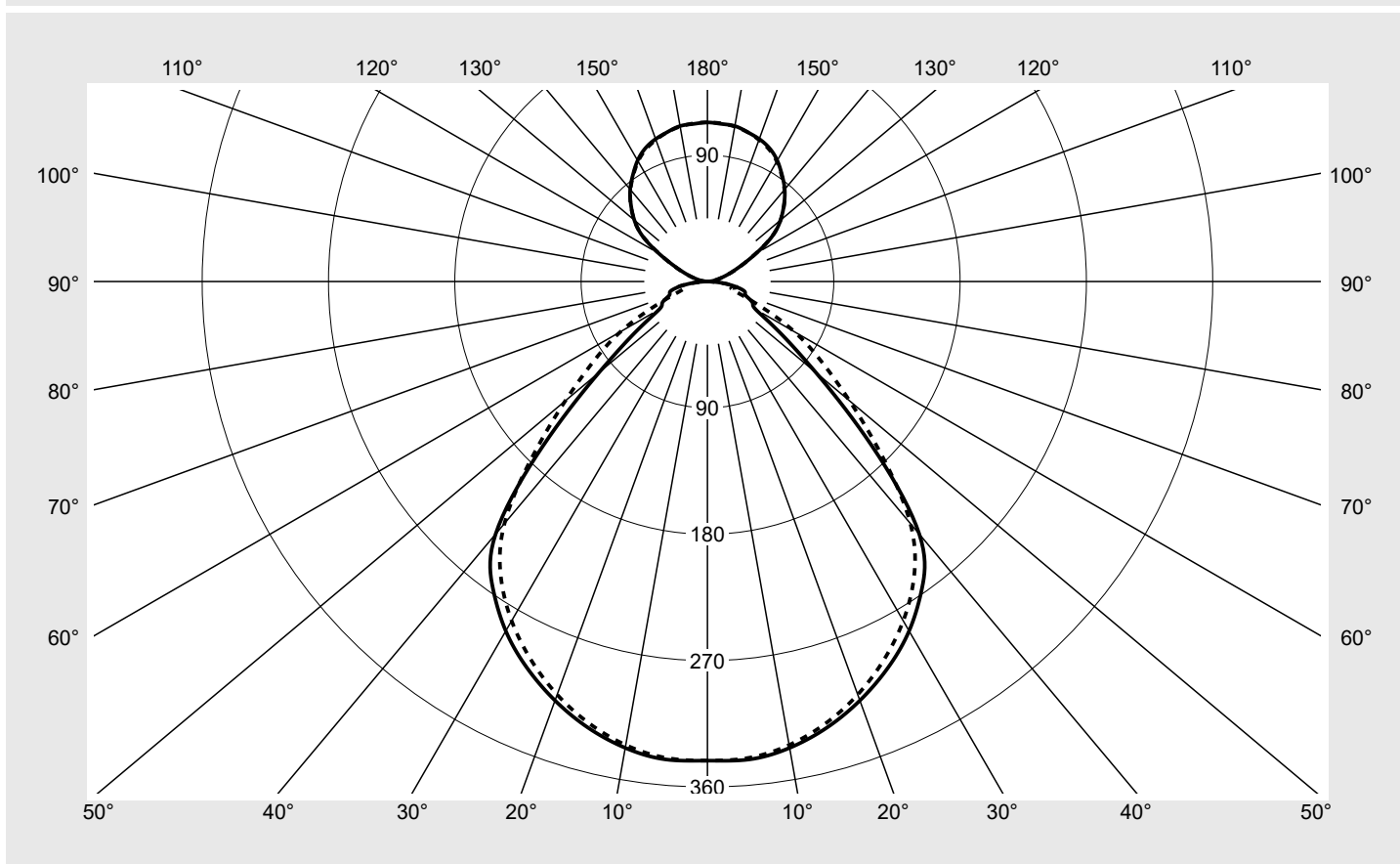
siteco

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 342 cd/klm



Classifications

DIN 5040 B 5 3
CIE N1=64 N2=89 N3=97
N4=70 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 70.2%
 ϕ_o 29.8%

Measurement conditions

DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
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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°	341.2	341.2	341.2	341.2	341.2	341.2	341.2	2.0	2.0
5°	341.7	339.9	337.9	339.1	340.7	340.5	340.5	16.2	18.3
10°	337.3	335.4	333.2	334.1	335.5	335.2	335.2	31.9	50.2
15°	328.9	327.1	324.7	325.3	326.3	325.9	325.7	46.3	96.4
20°	317.5	315.7	313.0	313.1	313.8	313.2	313.1	58.9	155.3
25°	303.8	301.7	298.3	298.2	298.8	297.9	297.4	69.3	224.6
30°	287.4	284.8	280.9	280.7	281.6	280.1	279.0	77.3	301.9
35°	266.6	264.1	259.3	259.6	260.3	258.7	256.6	81.9	383.8
40°	234.8	234.9	230.6	230.3	226.5	227.6	225.0	81.0	464.8
45°	166.0	176.7	179.3	175.8	160.5	175.5	176.3	67.1	531.9
50°	100.9	115.7	135.1	115.7	100.2	113.9	132.2	48.8	580.7
55°	62.2	71.0	100.7	70.7	61.6	69.2	99.0	34.0	614.7
60°	39.6	48.0	70.7	48.5	39.5	47.4	71.5	24.5	639.2
65°	35.4	41.0	43.7	42.1	36.2	42.1	41.4	20.2	659.4
70°	29.0	35.4	22.4	36.0	29.2	36.1	22.1	15.9	675.2
75°	27.4	24.7	19.6	25.2	27.8	25.0	18.0	12.8	688.0
80°	19.7	14.9	19.5	14.5	19.9	15.2	20.8	9.4	697.4
85°	9.2	8.6	7.3	8.6	9.1	8.8	7.3	4.6	702.0
90°	0.6	0.8	0.5	0.7	0.5	0.6	0.3	0.3	702.3
95°	2.6	2.5	2.5	2.5	2.5	2.5	2.5	1.4	703.7
100°	5.8	5.7	5.7	5.8	5.8	5.8	5.8	3.1	706.8
105°	10.2	10.1	10.3	10.4	10.5	10.4	10.4	5.5	712.3
110°	16.8	16.7	17.0	17.1	17.2	17.1	17.1	8.8	721.0
115°	25.9	25.9	26.1	26.2	26.4	26.5	26.4	13.0	734.0
120°	40.0	39.9	39.7	39.7	39.7	39.6	39.6	18.9	752.9
125°	56.5	56.4	56.4	56.3	56.6	56.6	56.3	25.3	778.3
130°	68.0	67.8	68.0	68.3	68.6	68.3	68.0	28.6	806.9
135°	77.1	77.1	77.4	77.9	77.8	77.5	77.3	30.0	836.9
140°	85.6	85.5	85.5	85.8	85.7	85.5	85.3	30.1	867.1
145°	92.6	92.7	92.9	92.8	92.5	92.4	92.2	29.1	896.2
150°	99.5	99.5	99.5	99.3	99.0	99.0	98.8	27.2	923.4
155°	104.7	104.4	104.2	103.9	103.9	103.9	103.9	24.1	947.5
160°	108.0	107.7	107.5	107.3	107.5	107.2	107.3	20.1	967.6
165°	110.2	110.2	110.1	110.3	110.2	109.9	110.2	15.6	983.3
170°	112.4	112.4	112.4	112.1	111.7	111.9	112.1	10.7	993.9
175°	112.7	112.7	112.8	112.9	112.9	113.0	113.1	5.4	999.3
180°	113.3	113.3	113.3	113.3	113.3	113.3	113.3	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	14.1	15.1	14.8	15.9	16.8	13.9	14.9	14.6	15.7	16.6
	3H	14.7	15.6	15.4	16.4	17.3	14.5	15.4	15.3	16.2	17.2
	4H	15.1	16.0	15.9	16.8	17.7	14.8	15.7	15.6	16.5	17.4
	6H	15.5	16.4	16.3	17.1	18.1	15.2	16.0	16.0	16.8	17.8
	8H	15.7	16.4	16.5	17.2	18.2	15.4	16.1	16.2	17.0	18.0
	12H	15.8	16.5	16.7	17.3	18.3	15.5	16.2	16.4	17.0	18.1
4H	2H	14.2	15.1	15.0	15.8	16.8	14.0	14.9	14.8	15.7	16.7
	3H	14.9	15.7	15.8	16.5	17.5	14.9	15.7	15.8	16.5	17.5
	4H	15.5	16.1	16.3	17.0	18.0	15.5	16.1	16.3	16.9	17.9
	6H	16.1	16.6	16.9	17.5	18.5	16.0	16.6	16.9	17.4	18.5
	8H	16.2	16.8	17.1	17.6	18.7	16.2	16.7	17.1	17.6	18.6
	12H	16.5	16.9	17.3	17.8	18.9	16.4	16.9	17.3	17.7	18.8
8H	4H	15.6	16.1	16.5	17.0	18.0	15.6	16.1	16.5	17.0	18.0
	6H	16.4	16.8	17.2	17.7	18.7	16.3	16.8	17.2	17.6	18.7
	8H	16.7	17.1	17.6	18.0	19.0	16.7	17.1	17.6	18.0	19.1
	12H	17.0	17.4	17.9	18.2	19.3	17.0	17.3	17.9	18.2	19.3
12H	4H	15.7	16.1	16.5	17.0	18.1	15.7	16.1	16.5	17.0	18.0
	6H	16.5	16.8	17.4	17.7	18.8	16.5	16.8	17.3	17.7	18.8
	8H	16.9	17.2	17.7	18.1	19.1	16.9	17.2	17.8	18.1	19.2

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 886	
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°
γ	Luminance in cd/m²						
45°	5328.4	5671.1	5752.9	5642.3	5149.3	5631.3	5657.8
50°	3561.7	4086.1	4770.8	4083.6	3538.1	4021.3	4667.4
55°	2460.2	2810.6	3982.9	2798.3	2437.6	2737.5	3916.8
60°	1797.9	2178.3	3207.1	2202.2	1792.4	2149.7	3244.9
65°	1898.5	2203.9	2348.1	2258.1	1945.8	2259.0	2221.4
70°	1925.7	2347.6	1487.2	2391.5	1936.5	2396.1	1469.1
75°	2405.3	2163.9	1717.6	2211.1	2440.0	2194.5	1574.7
80°	2573.1	1948.4	2542.5	1892.0	2602.8	1985.7	2712.5
85°	2392.9	2237.7	1889.1	2245.0	2379.6	2292.4	1899.3

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Luminance values in cd/m²

γ 65°

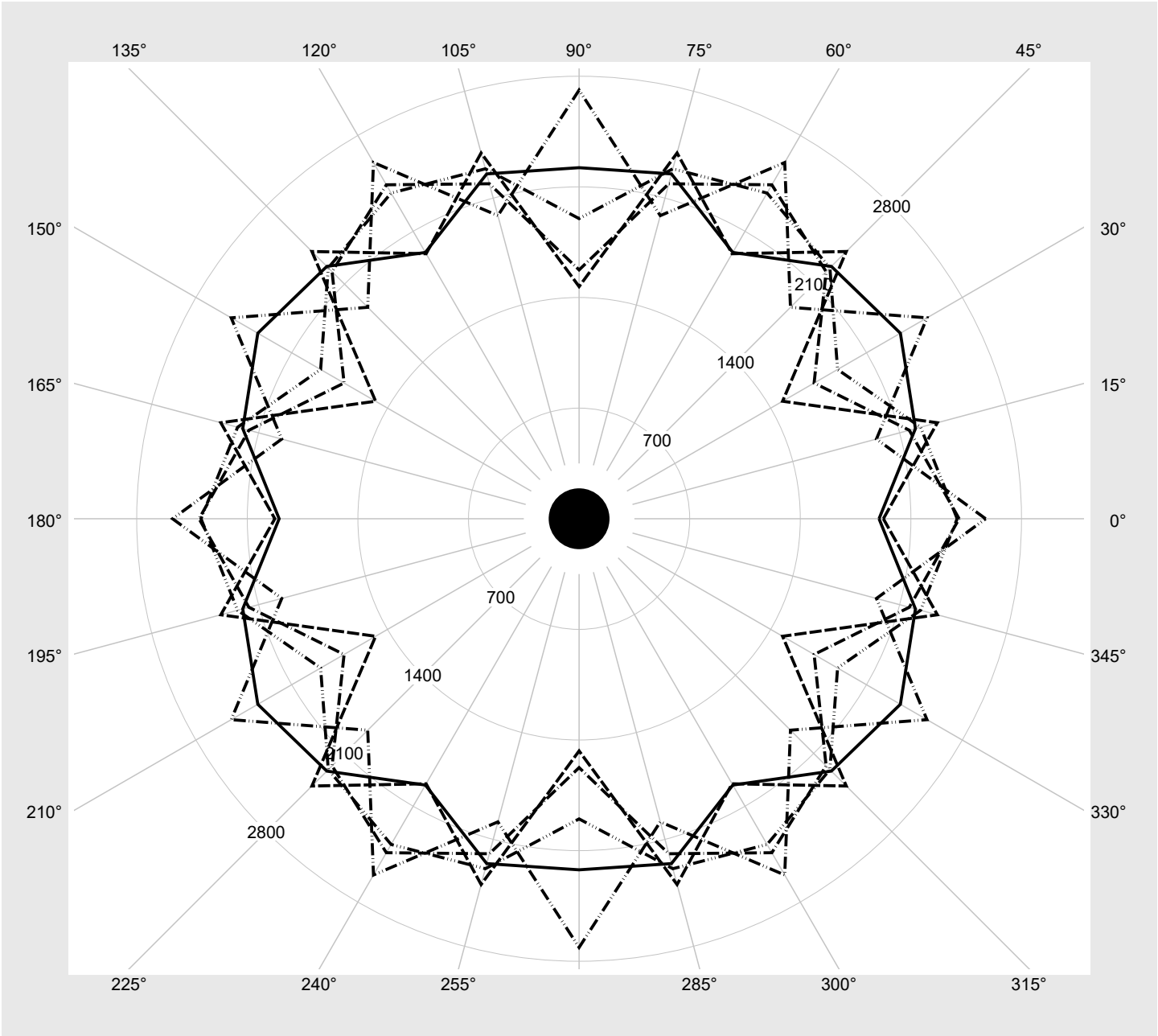
γ 70°

γ 75°

γ 80°

γ 85°

siteco



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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	13990	89.0
95	241	252	13281	84.6
90	228	250	12569	80.1
85	216	248	11912	75.9
80	203	246	11198	71.4
75	190	243	10481	66.9
70	178	241	9818	62.8
65	165	238	9100	58.4
60	152	235	8378	53.9
55	140	232	7712	49.8
50	127	229	6989	45.5
45	115	225	6318	41.4
40	102	221	5592	37.0
35	90	216	4920	33.0
30	77	210	4192	28.9
25	65	204	3517	25.0
20	52	196	2785	20.5
15	40	186	2109	16.2
10	27	172	1374	11.4
5	15	150	696	7.0
2	8	127	298	4.5