

Photometric test report

Family
Silica® 21 round L

Order number: 51ME33DC3MSA
EAN: 4069025804655

LP number
60082_8

serial
documentation
20.05.2026

siteco



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

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

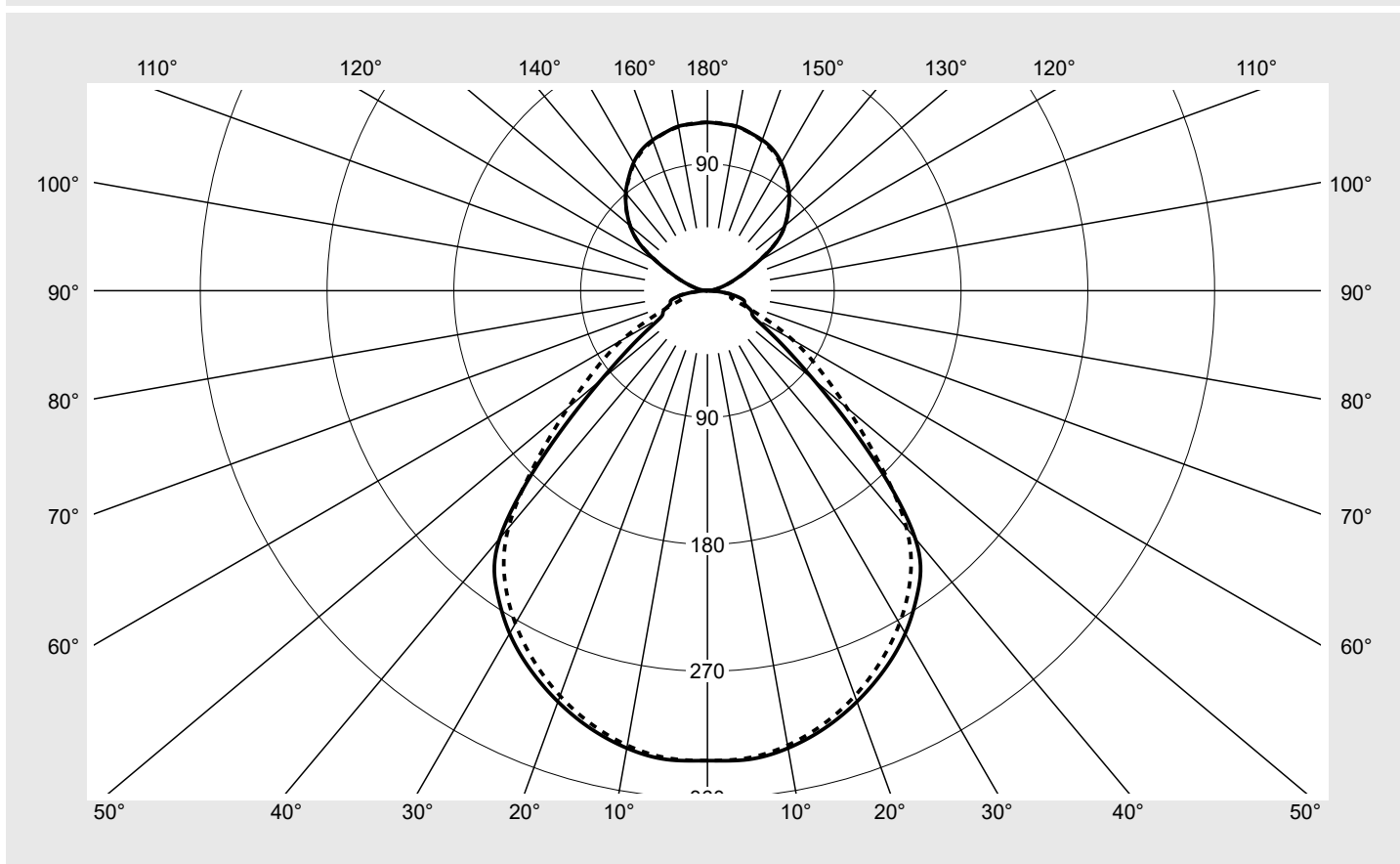
Rated values Net luminous flux = 13740 lm
Power consumption = 89.0 W
Luminous efficacy = 154.4 lm/W

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 334 cd/klm



Classifications

DIN 5040 B 5 3
CIE N1=64 N2=89 N3=97
N4=69 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 68.6%
 ϕ_o 31.4%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round L	Order number: 51ME33DC3MSA EAN: 4069025804655	LP number 60082_8
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°	333.5	333.5	333.5	333.5	333.5	333.5	333.5	2.0	2.0
5°	333.9	332.1	330.2	331.4	333.0	332.8	332.7	15.9	17.9
10°	329.6	327.7	325.6	326.5	327.9	327.6	327.5	31.2	49.0
15°	321.4	319.7	317.3	317.9	318.8	318.5	318.3	45.2	94.2
20°	310.3	308.5	305.8	306.0	306.6	306.1	305.9	57.5	151.7
25°	296.9	294.8	291.5	291.4	292.0	291.2	290.6	67.7	219.5
30°	280.8	278.3	274.5	274.3	275.2	273.8	272.7	75.5	295.0
35°	260.5	258.1	253.4	253.7	254.3	252.8	250.8	80.1	375.1
40°	229.5	229.5	225.3	225.1	221.4	222.4	219.8	79.2	454.2
45°	162.3	172.7	175.2	171.8	156.8	171.5	172.3	65.6	519.8
50°	98.6	113.1	132.1	113.0	97.9	111.3	129.2	47.7	567.5
55°	60.8	69.4	98.4	69.1	60.2	67.6	96.7	33.2	600.7
60°	38.7	46.9	69.1	47.4	38.6	46.3	69.9	23.9	624.6
65°	34.6	40.1	42.7	41.1	35.4	41.1	40.4	19.7	644.3
70°	28.4	34.6	21.9	35.2	28.5	35.3	21.6	15.5	659.8
75°	26.8	24.1	19.1	24.6	27.2	24.5	17.6	12.5	672.3
80°	19.2	14.6	19.0	14.1	19.5	14.9	20.3	9.2	681.5
85°	9.0	8.4	7.1	8.4	8.9	8.6	7.1	4.5	686.0
90°	0.7	0.8	0.5	0.7	0.5	0.6	0.3	0.3	686.3
95°	2.7	2.6	2.6	2.6	2.7	2.6	2.6	1.4	687.8
100°	6.1	6.0	6.0	6.1	6.1	6.1	6.1	3.3	691.1
105°	10.8	10.7	10.8	10.9	11.0	10.9	11.0	5.8	696.8
110°	17.7	17.6	17.9	18.0	18.1	18.0	18.1	9.2	706.0
115°	27.3	27.3	27.5	27.6	27.8	27.9	27.8	13.7	719.8
120°	42.2	42.0	41.8	41.9	41.8	41.8	41.7	19.9	739.6
125°	59.6	59.4	59.4	59.3	59.7	59.7	59.3	26.7	766.3
130°	71.6	71.5	71.6	71.9	72.3	72.0	71.7	30.2	796.5
135°	81.2	81.2	81.6	82.0	82.0	81.6	81.4	31.6	828.1
140°	90.2	90.0	90.1	90.4	90.3	90.0	89.9	31.8	859.9
145°	97.6	97.7	97.9	97.8	97.5	97.4	97.1	30.7	890.6
150°	104.8	104.8	104.8	104.6	104.3	104.3	104.1	28.7	919.3
155°	110.3	110.0	109.8	109.5	109.4	109.4	109.4	25.4	944.7
160°	113.8	113.5	113.3	113.0	113.3	112.9	113.1	21.2	965.9
165°	116.1	116.1	116.1	116.2	116.1	115.8	116.1	16.5	982.4
170°	118.5	118.5	118.4	118.1	117.7	117.9	118.1	11.2	993.6
175°	118.7	118.8	118.8	119.0	119.0	119.1	119.1	5.7	999.3
180°	119.4	119.4	119.4	119.4	119.4	119.4	119.4	0.7	1000.0

Photometric test report

Family Silica® 21 round L		Order number: 51ME33DC3MSA EAN: 4069025804655							LP number 60082_8	
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	13.8	14.8	14.5	15.6	16.5	13.6	14.7	14.4	15.4
	3H	14.4	15.3	15.2	16.1	17.1	14.2	15.2	15.0	15.9
	4H	14.8	15.7	15.6	16.5	17.5	14.5	15.4	15.3	16.2
	6H	15.3	16.1	16.1	16.9	17.9	15.0	15.8	15.8	16.6
	8H	15.4	16.1	16.2	17.0	18.0	15.1	15.9	16.0	16.7
	12H	15.6	16.2	16.4	17.1	18.1	15.3	15.9	16.1	16.8
4H	2H	13.9	14.8	14.7	15.6	16.6	13.8	14.6	14.6	15.4
	3H	14.7	15.4	15.5	16.2	17.2	14.7	15.4	15.5	16.2
	4H	15.2	15.9	16.1	16.7	17.7	15.2	15.8	16.0	16.7
	6H	15.8	16.4	16.6	17.2	18.3	15.7	16.3	16.6	17.2
	8H	16.0	16.5	16.8	17.3	18.4	15.9	16.5	16.8	17.3
	12H	16.2	16.7	17.1	17.5	18.6	16.1	16.6	17.0	17.5
8H	4H	15.3	15.9	16.2	16.7	17.8	15.3	15.8	16.2	16.7
	6H	16.1	16.5	17.0	17.4	18.5	16.1	16.5	16.9	17.4
	8H	16.4	16.8	17.3	17.7	18.8	16.5	16.8	17.3	17.7
	12H	16.8	17.1	17.7	18.0	19.1	16.8	17.1	17.7	18.0
12H	4H	15.4	15.9	16.3	16.7	17.8	15.4	15.8	16.3	16.7
	6H	16.2	16.6	17.1	17.5	18.6	16.2	16.5	17.1	17.4
	8H	16.6	16.9	17.5	17.8	18.9	16.6	16.9	17.5	17.8

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°	5113.9	5442.8	5521.3	5415.2	4942.0	5404.6	5430.1
50°	3418.3	3921.6	4578.7	3919.3	3395.6	3859.4	4479.5
55°	2361.1	2697.5	3822.6	2685.6	2339.5	2627.3	3759.1
60°	1725.5	2090.6	3078.0	2113.5	1720.3	2063.2	3114.3
65°	1822.0	2115.2	2253.6	2167.2	1867.5	2168.1	2132.0
70°	1848.2	2253.2	1427.3	2295.2	1858.5	2299.7	1409.9
75°	2308.5	2076.8	1648.4	2122.1	2341.8	2106.2	1511.3
80°	2469.5	1869.9	2440.1	1815.9	2498.0	1905.8	2603.4
85°	2296.7	2147.6	1812.9	2154.8	2283.9	2200.1	1822.9

Photometric test report

Family
Silica® 21 round L

Order number: 51ME33DC3MSA
EAN: 4069025804655

LP number
60082_8

Luminance values in cd/m²

γ 65°

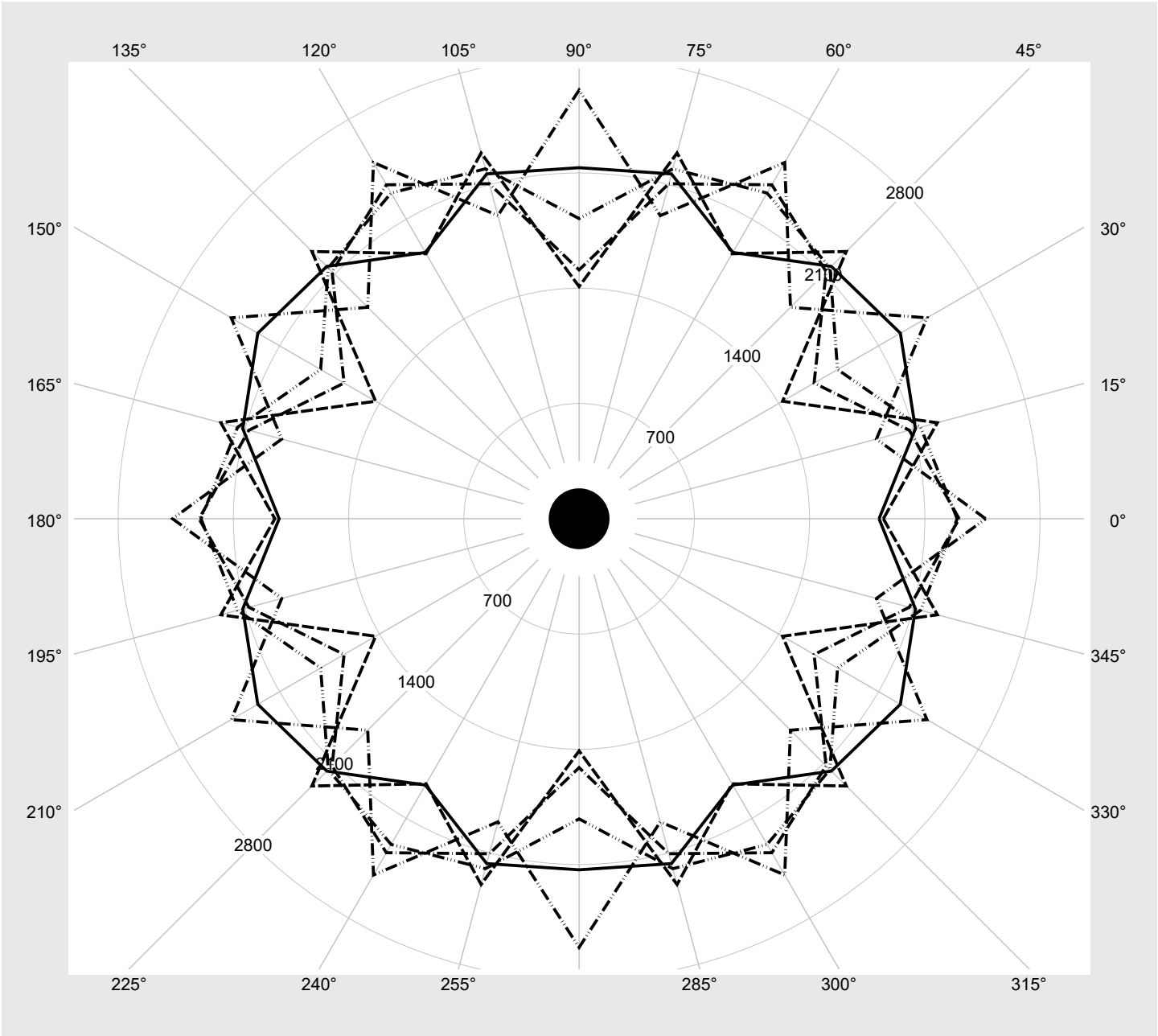
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round L	Order number: 51ME33DC3MSA EAN: 4069025804655	LP number 60082_8
Dimming levels table environmental temperature: 25°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	13740	89.0
95	241	252	13043	84.6
90	228	250	12345	80.1
85	216	248	11699	75.9
80	203	246	10998	71.4
75	190	243	10294	66.9
70	178	241	9643	62.8
65	165	238	8937	58.4
60	152	235	8228	53.9
55	140	232	7574	49.8
50	127	229	6864	45.5
45	115	225	6205	41.4
40	102	221	5492	37.0
35	90	216	4832	33.0
30	77	210	4117	28.9
25	65	204	3454	25.0
20	52	196	2736	20.5
15	40	186	2071	16.2
10	27	172	1350	11.4
5	15	150	683	7.0
2	8	127	293	4.5