

Photometric test report

Family
Silica® 21 round S

Order number: 51ME33DA4MWA
EAN: 4069025800589

LP number
60074_3

serial
documentation
20.05.2026

siteco

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

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

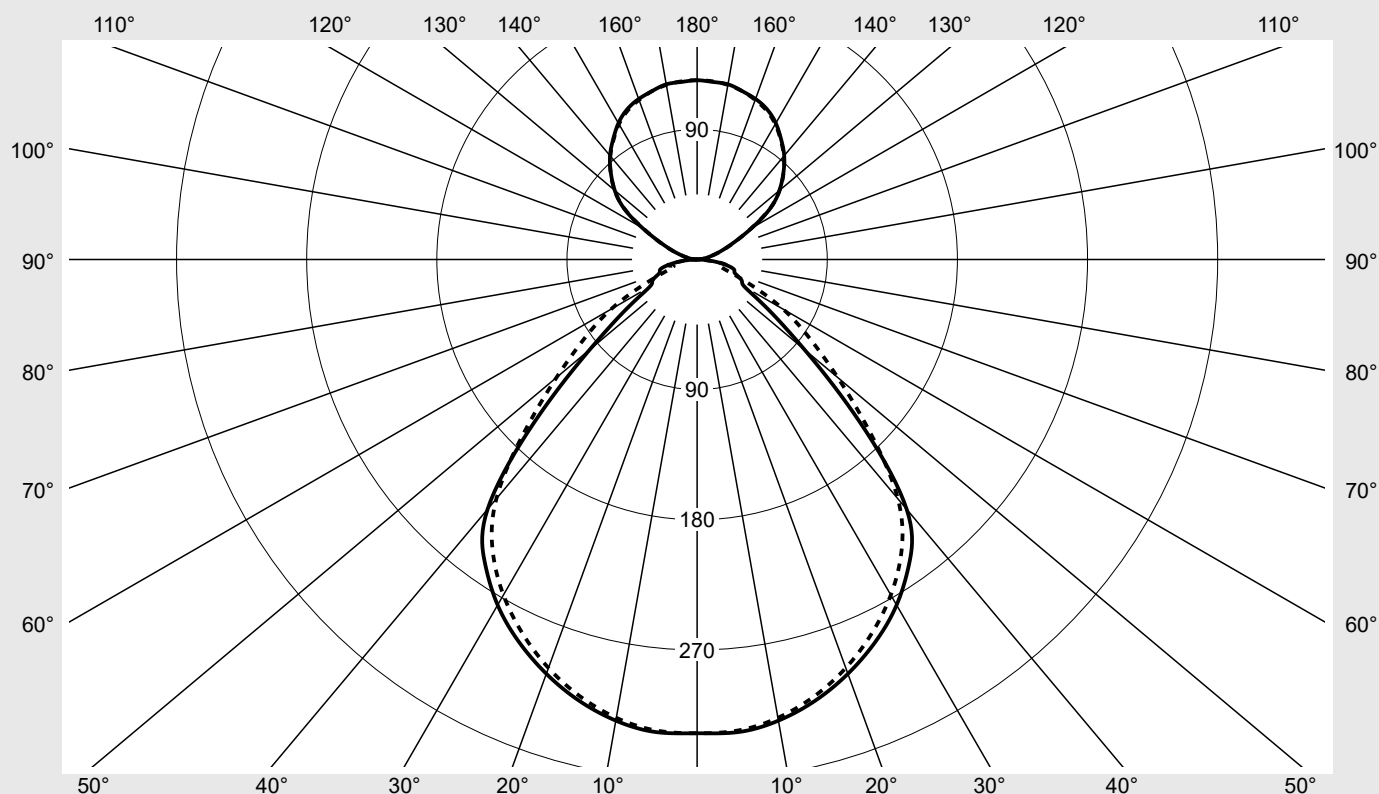
Rated values Net luminous flux = 3580 lm
Power consumption = 23.4 W
Luminous efficacy = 153 lm/W

Luminous intensity in cd/klm

C180-0

C270-90

Imax: 328 cd/klm



Classifications

DIN 5040 B 5 3
CIE N1=64 N2=89 N3=97
N4=67 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 67.4%
 ϕ_o 32.6%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round S	Order number: 51ME33DA4MWA EAN: 4069025800589	LP number 60074_3
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°	327.6	327.6	327.6	327.6	327.6	327.6	327.6	2.0	2.0
5°	328.0	326.3	324.5	325.6	327.1	326.9	326.9	15.6	17.5
10°	323.8	322.0	319.9	320.8	322.1	321.9	321.8	30.6	48.2
15°	315.8	314.1	311.7	312.3	313.3	312.9	312.8	44.4	92.6
20°	304.9	303.1	300.5	300.6	301.2	300.7	300.6	56.5	149.1
25°	291.7	289.7	286.4	286.3	286.9	286.1	285.5	66.6	215.7
30°	275.9	273.5	269.7	269.5	270.4	269.0	267.9	74.2	289.8
35°	255.9	253.6	249.0	249.3	249.9	248.4	246.4	78.7	368.5
40°	225.4	225.5	221.4	221.1	217.5	218.5	216.0	77.8	446.3
45°	159.4	169.7	172.1	168.8	154.1	168.5	169.3	64.4	510.7
50°	96.9	111.1	129.8	111.1	96.2	109.4	126.9	46.9	557.6
55°	59.7	68.2	96.7	67.9	59.2	66.4	95.1	32.6	590.2
60°	38.0	46.1	67.9	46.6	37.9	45.5	68.7	23.5	613.7
65°	33.9	39.4	42.0	40.4	34.8	40.4	39.7	19.4	633.1
70°	27.9	34.0	21.5	34.6	28.0	34.7	21.3	15.2	648.3
75°	26.3	23.7	18.8	24.2	26.7	24.0	17.2	12.3	660.6
80°	18.9	14.3	18.7	13.9	19.1	14.6	19.9	9.0	669.6
85°	8.8	8.3	7.0	8.3	8.8	8.5	7.0	4.4	674.0
90°	0.7	0.9	0.5	0.8	0.6	0.6	0.4	0.4	674.4
95°	2.8	2.7	2.7	2.7	2.8	2.7	2.7	1.5	675.9
100°	6.4	6.2	6.2	6.3	6.4	6.3	6.4	3.4	679.3
105°	11.2	11.1	11.2	11.3	11.4	11.3	11.4	6.0	685.2
110°	18.4	18.3	18.5	18.7	18.8	18.7	18.7	9.6	694.8
115°	28.4	28.3	28.6	28.7	28.9	29.0	28.9	14.2	709.1
120°	43.8	43.6	43.4	43.5	43.4	43.4	43.3	20.6	729.7
125°	61.8	61.7	61.7	61.6	62.0	61.9	61.6	27.7	757.4
130°	74.4	74.2	74.4	74.7	75.1	74.7	74.4	31.3	788.7
135°	84.3	84.3	84.7	85.2	85.1	84.8	84.6	32.9	821.6
140°	93.7	93.5	93.6	93.8	93.7	93.5	93.3	33.0	854.6
145°	101.3	101.4	101.6	101.5	101.2	101.1	100.9	31.9	886.4
150°	108.8	108.8	108.8	108.6	108.3	108.3	108.1	29.8	916.2
155°	114.5	114.2	114.0	113.7	113.6	113.6	113.6	26.4	942.5
160°	118.1	117.9	117.6	117.3	117.6	117.2	117.4	22.0	964.6
165°	120.6	120.6	120.5	120.6	120.5	120.2	120.5	17.1	981.7
170°	123.0	123.0	122.9	122.6	122.2	122.4	122.6	11.7	993.4
175°	123.3	123.3	123.4	123.5	123.5	123.6	123.7	5.9	999.3
180°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	0.7	1000.0

Photometric test report

Family Silica® 21 round S	Order number: 51ME33DA4MWA EAN: 4069025800589	LP number 60074_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	14.7	15.8	15.5	16.6	17.5	14.6	15.6	15.3	16.4	17.3
	3H	15.3	16.2	16.1	17.1	18.0	15.2	16.1	16.0	16.9	17.9
	4H	15.8	16.6	16.6	17.4	18.5	15.5	16.3	16.3	17.2	18.2
	6H	16.2	17.0	17.1	17.8	18.9	15.9	16.7	16.7	17.5	18.5
	8H	16.4	17.1	17.2	17.9	19.0	16.1	16.8	16.9	17.6	18.7
	12H	16.5	17.2	17.4	18.0	19.1	16.2	16.9	17.1	17.7	18.8
4H	2H	14.9	15.7	15.7	16.5	17.5	14.7	15.6	15.5	16.4	17.4
	3H	15.6	16.3	16.5	17.2	18.2	15.6	16.3	16.5	17.2	18.2
	4H	16.2	16.8	17.0	17.6	18.7	16.1	16.8	17.0	17.6	18.7
	6H	16.7	17.3	17.6	18.2	19.2	16.7	17.2	17.6	18.1	19.2
	8H	16.9	17.4	17.8	18.3	19.4	16.9	17.4	17.8	18.3	19.4
	12H	17.2	17.6	18.0	18.5	19.6	17.1	17.5	18.0	18.4	19.5
8H	4H	16.3	16.8	17.2	17.7	18.8	16.3	16.8	17.2	17.7	18.8
	6H	17.0	17.4	17.9	18.3	19.5	17.0	17.4	17.9	18.3	19.4
	8H	17.4	17.7	18.3	18.6	19.8	17.4	17.8	18.3	18.7	19.8
	12H	17.7	18.0	18.6	18.9	20.1	17.7	18.0	18.6	18.9	20.0
12H	4H	16.4	16.8	17.2	17.7	18.8	16.3	16.8	17.2	17.7	18.8
	6H	17.1	17.5	18.1	18.4	19.5	17.1	17.5	18.0	18.4	19.5
	8H	17.5	17.8	18.4	18.7	19.9	17.5	17.9	18.5	18.8	19.9

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°
γ	Luminance in cd/m²						
45°	6897.3	7340.8	7446.8	7303.6	6665.4	7289.4	7323.7
50°	4610.4	5289.2	6175.4	5286.1	4579.8	5205.3	6041.7
55°	3184.5	3638.2	5155.6	3622.2	3155.3	3543.5	5070.0
60°	2327.3	2819.7	4151.4	2850.6	2320.2	2782.7	4200.4
65°	2457.4	2852.8	3039.5	2923.0	2518.7	2924.1	2875.5
70°	2492.7	3038.9	1925.1	3095.7	2506.7	3101.6	1901.6
75°	3113.5	2801.0	2223.4	2862.1	3158.5	2840.7	2038.4
80°	3330.6	2522.0	3291.2	2449.0	3369.2	2570.4	3511.2
85°	3097.3	2896.6	2445.2	2906.0	3080.5	2967.5	2458.5

Photometric test report

Family
Silica® 21 round S

Order number: 51ME33DA4MWA
EAN: 4069025800589

LP number
60074_3

Luminance values in cd/m²

γ 65°

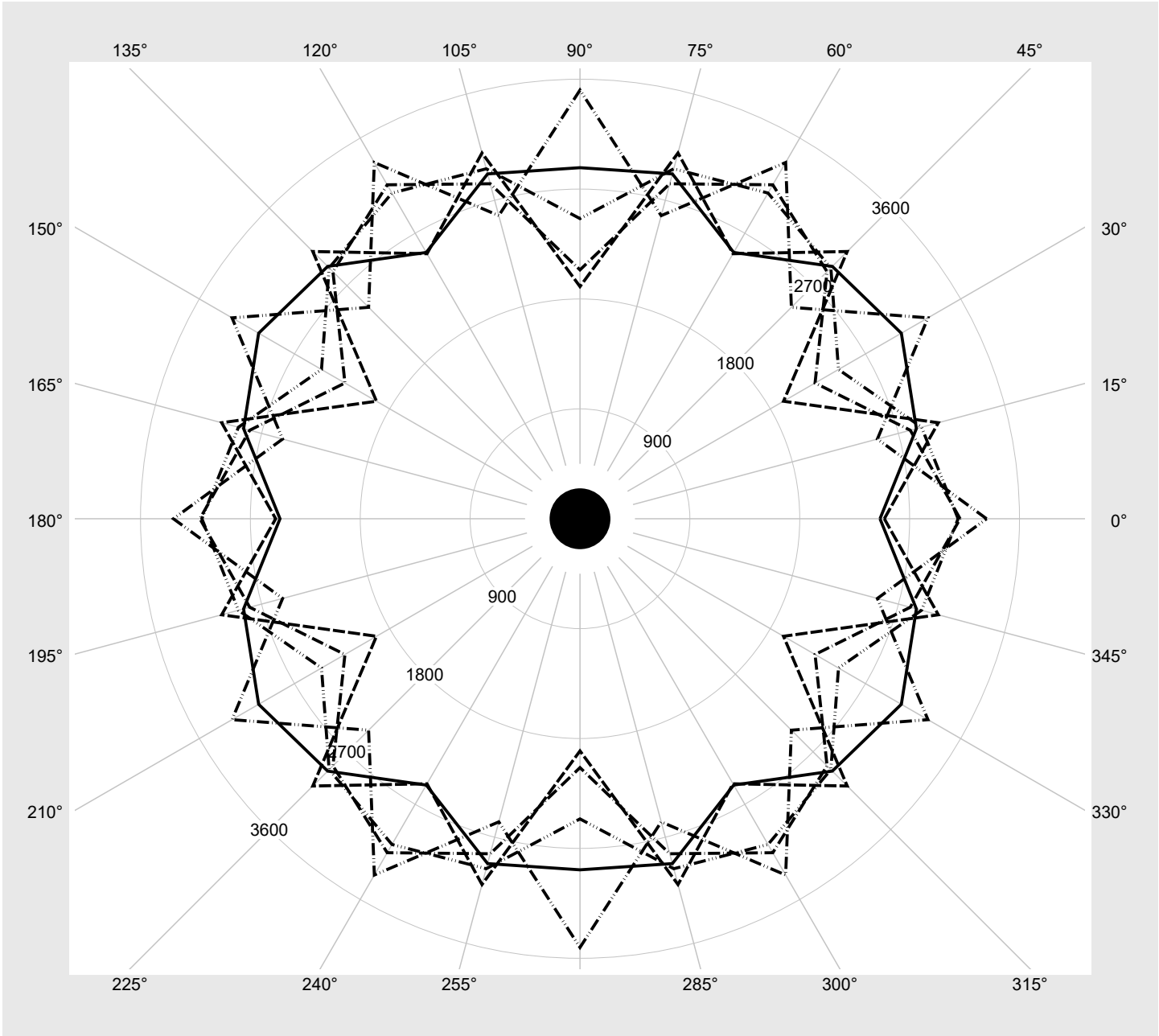
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51ME33DA4MWA EAN: 4069025800589	LP number 60074_3
Dimming levels table environmental temperature: 25°C		

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3580	23.4
95	241	252	3399	22.2
90	228	250	3217	21.1
85	216	248	3049	20.0
80	203	246	2866	18.9
75	190	243	2683	17.7
70	177	241	2500	16.6
65	165	238	2330	15.6
60	152	235	2146	14.4
55	140	232	1975	13.4
50	127	229	1790	12.2
45	114	225	1605	11.1
40	102	221	1434	10.1
35	89	216	1248	8.8
30	77	210	1076	7.8
25	64	204	890	6.6
20	52	196	718	5.6
15	39	185	530	4.4
10	27	172	358	3.2
5	15	150	184	2.0
3	9	132	97	1.3