

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DA3NWA
EAN: 4069025807212

LP number
60077_4

serial
documentation
20.05.2026



Version

Suspended luminaire, housing, white, cover, opal, direct-/ indirect distribution, extremely wide distribution, UGR≤22

Lamps

LED 3000 K | CRI ≥ 80

Controlgear

ECG-DALI

Rated values

Net luminous flux = 3290 lm

Power consumption = 20.9 W

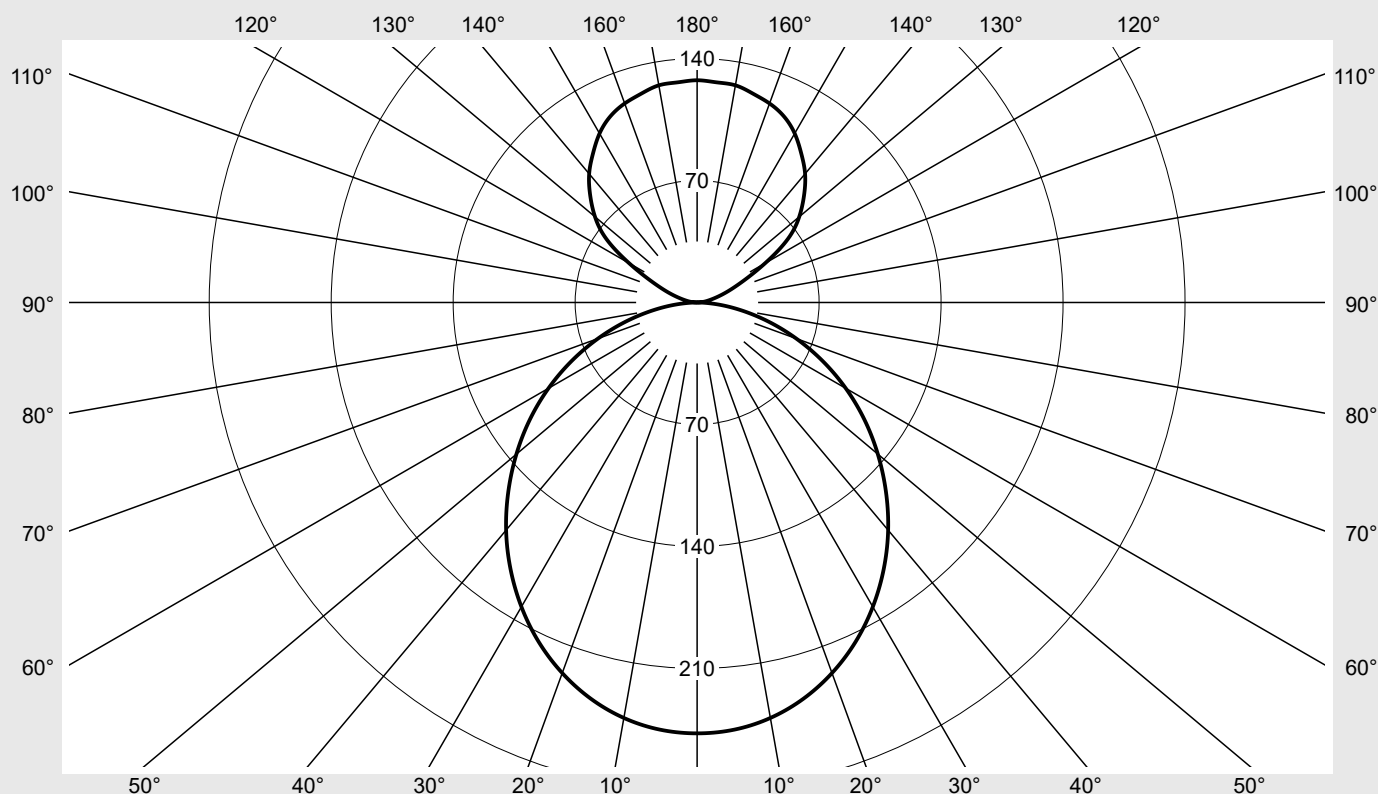
Luminous efficacy = 157.4 lm/W

siteco

Luminous intensity in cd/klm

C180-0

Imax: 247 cd/klm



Classifications

DIN 5040 B 4 3
CIE N1=49 N2=79 N3=96
N4=66 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 66.5%
 ϕ_o 33.5%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round S	Order number: 51MF31DA3NWA EAN: 4069025807212	LP number 60077_4
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°	247.3	1.5	1.5
5°	246.0	11.8	13.2
10°	242.1	23.0	36.3
15°	235.5	33.4	69.7
20°	226.3	42.4	112.1
25°	215.0	49.8	161.9
30°	201.7	55.3	217.2
35°	186.7	58.7	275.9
40°	170.5	60.1	336.0
45°	153.2	59.4	395.3
50°	135.4	56.8	452.2
55°	117.2	52.6	504.8
60°	98.5	46.8	551.6
65°	79.5	39.5	591.1
70°	60.6	31.2	622.3
75°	42.4	22.5	644.7
80°	25.5	13.8	658.5
85°	11.0	6.0	664.5
90°	0.7	0.4	664.9
95°	2.9	1.6	666.5
100°	6.5	3.5	670.0
105°	11.5	6.1	676.1
110°	18.9	9.7	685.8
115°	29.2	14.5	700.3
120°	45.1	21.4	721.7
125°	63.6	28.6	750.3
130°	76.5	32.1	782.4
135°	86.8	33.6	816.0
140°	96.4	34.0	850.0
145°	104.2	32.8	882.8
150°	112.0	30.7	913.5
155°	117.8	27.3	940.8
160°	121.5	22.8	963.5
165°	124.0	17.6	981.1
170°	126.5	12.0	993.2
175°	126.8	6.1	999.2
180°	127.5	0.8	1000.0

Photometric test report

Family Silica® 21 round S			Order number: 51MF31DA3NWA EAN: 4069025807212							LP number 60077_4	
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	16.2	17.4	17.0	18.1	19.1	16.2	17.4	17.0	18.1	19.1
	3H	17.7	18.7	18.5	19.5	20.5	17.7	18.7	18.5	19.5	20.5
	4H	18.3	19.2	19.1	20.0	21.1	18.3	19.2	19.1	20.0	21.1
	6H	18.7	19.6	19.6	20.4	21.5	18.7	19.6	19.6	20.4	21.5
	8H	18.8	19.6	19.6	20.4	21.5	18.8	19.6	19.6	20.4	21.5
	12H	18.9	19.7	19.8	20.5	21.6	18.9	19.7	19.8	20.5	21.6
4H	2H	16.8	17.8	17.6	18.6	19.6	16.8	17.8	17.6	18.6	19.6
	3H	18.5	19.3	19.3	20.1	21.2	18.5	19.3	19.3	20.1	21.2
	4H	19.2	19.9	20.1	20.8	21.8	19.2	19.9	20.1	20.8	21.8
	6H	19.8	20.4	20.6	21.3	22.3	19.8	20.4	20.6	21.3	22.3
	8H	19.9	20.4	20.8	21.3	22.4	19.9	20.4	20.8	21.3	22.4
	12H	20.1	20.5	20.9	21.4	22.6	20.1	20.5	20.9	21.4	22.6
8H	4H	19.4	20.0	20.3	20.9	22.0	19.4	20.0	20.3	20.9	22.0
	6H	20.1	20.5	21.0	21.4	22.6	20.1	20.5	21.0	21.4	22.6
	8H	20.4	20.8	21.3	21.7	22.8	20.4	20.8	21.3	21.7	22.8
	12H	20.6	20.9	21.5	21.9	23.0	20.6	20.9	21.5	21.9	23.0
12H	4H	19.5	20.0	20.4	20.9	22.0	19.5	20.0	20.4	20.9	22.0
	6H	20.2	20.6	21.1	21.5	22.6	20.2	20.6	21.1	21.5	22.6
	8H	20.5	20.8	21.4	21.8	22.9	20.5	20.8	21.4	21.8	22.9

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 386
C- planes		0°		
γ	Luminance in cd/m²			
45°	6091.2			
50°	5921.2			
55°	5745.2			
60°	5538.5			
65°	5287.3			
70°	4978.1			
75°	4607.2			
80°	4135.1			
85°	3532.2			

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DA3NWA
EAN: 4069025807212

LP number
60077_4

Luminance values in cd/m²

γ 65°

γ 70°

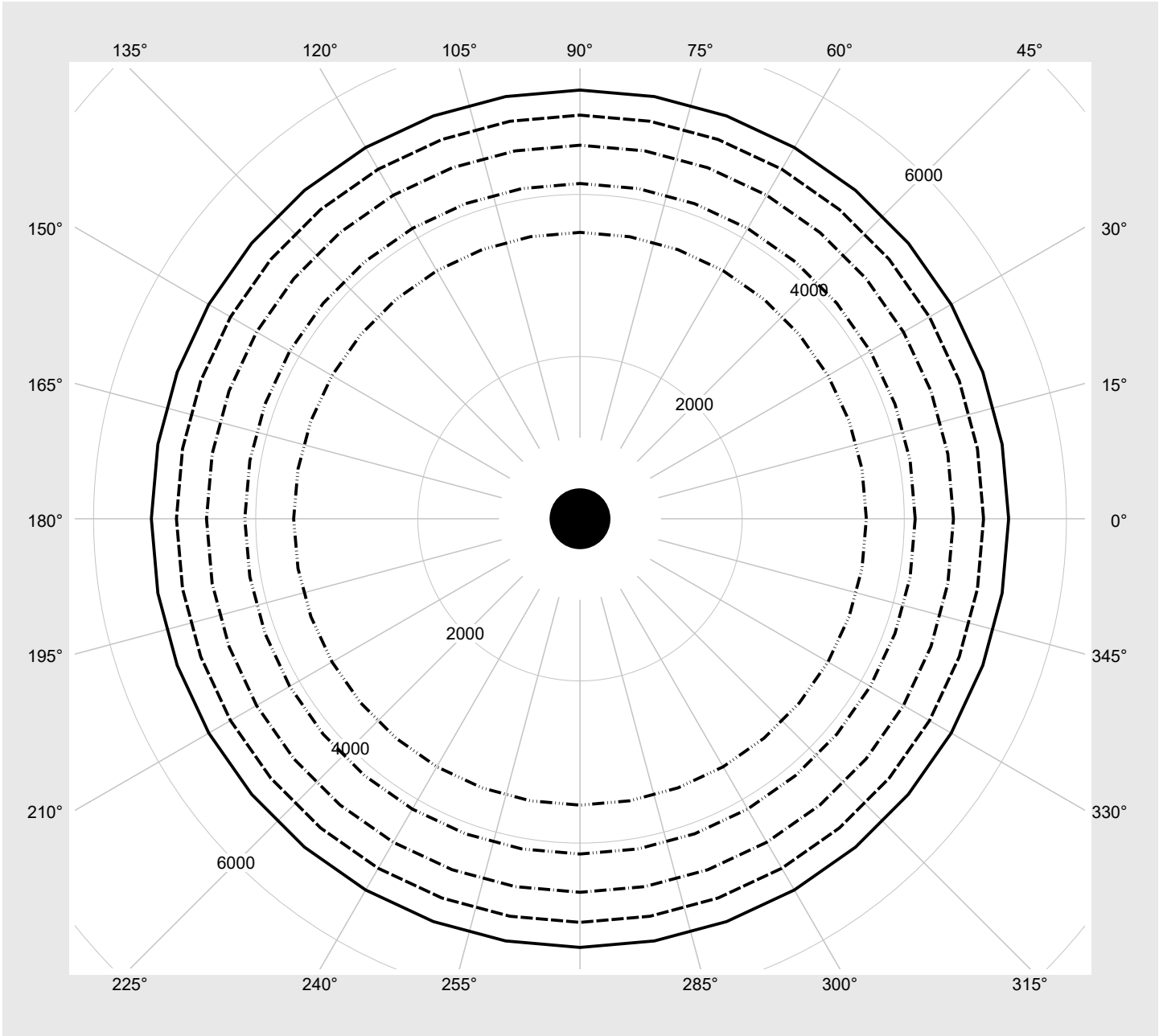
γ 75°

γ 80°

γ 85°

sit

eco



Photometric test report

Family Silica® 21 round S	Order number: 51MF31DA3NWA EAN: 4069025807212	LP number 60077_4
Dimming levels table		environmental temperature: 25°C

siteco

Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3290	20.9
95	241	252	3124	19.8
90	228	250	2959	18.8
85	215	248	2792	17.8
80	203	246	2638	16.8
75	190	243	2471	15.8
70	177	241	2303	14.8
65	164	238	2134	13.8
60	152	235	1978	12.9
55	139	232	1808	11.9
50	127	229	1651	10.9
45	114	225	1481	9.9
40	101	220	1310	8.8
35	89	216	1152	7.9
30	76	210	981	6.9
25	64	204	822	5.9
20	52	196	662	5.0
15	39	185	489	3.9
10	27	172	329	2.9
5	15	150	168	1.7
3	10	136	100	1.3