

Photometric test report

Family
Silica® 21 round S

Order number: 51MF61DA3NBA
EAN: 4069025810052

LP number
60071_22

serial
documentation
20.05.2026



Version surface-mounted luminaire, housing, black, cover, opal, direct extremely wide distribution, UGR≤22

Lamps LED 3000 K | CRI ≥ 80

Controlgear ECG-DALI

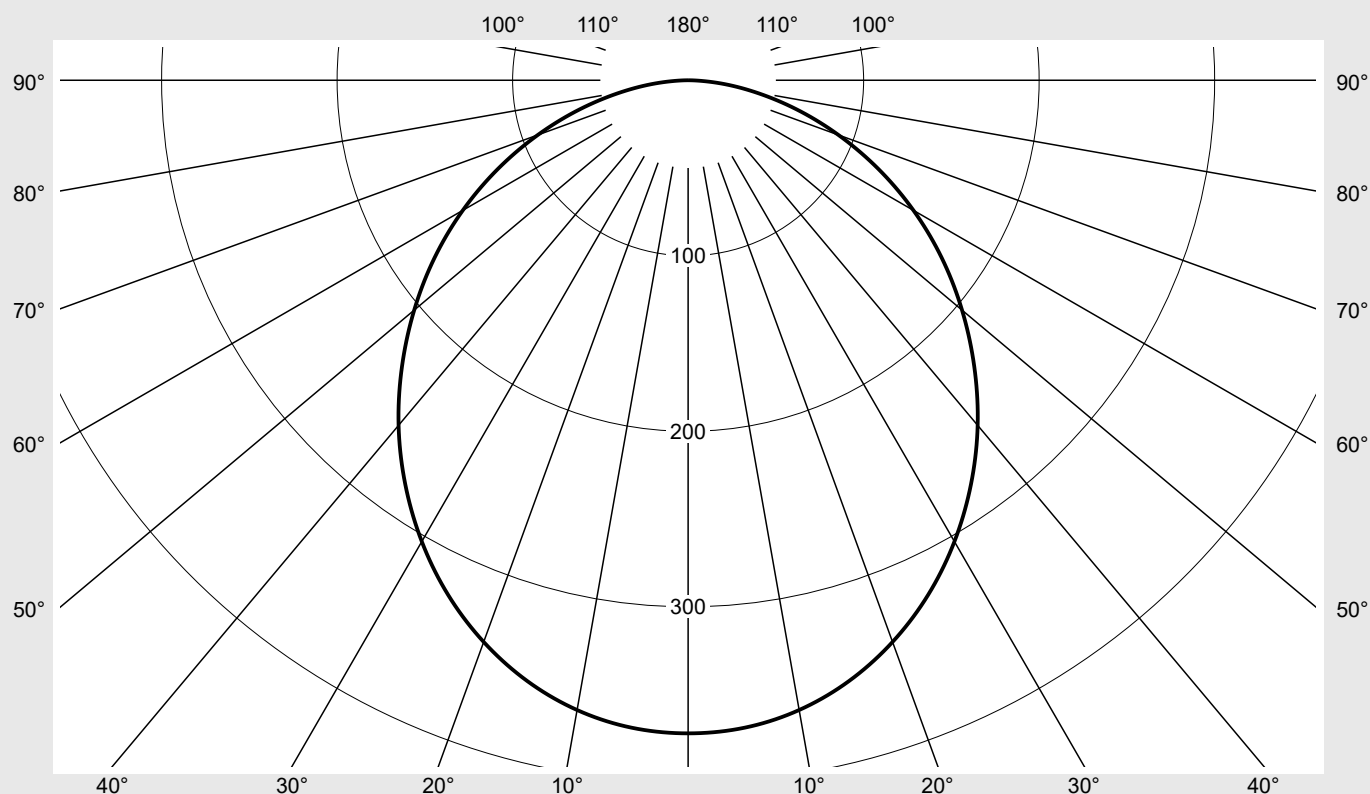
Rated values Net luminous flux = 2190 lm
Power consumption = 15.9 W
Luminous efficacy = 137.7 lm/W

siteco

Luminous intensity in cd/klm

C180-0

Imax: 372 cd/klm



Classifications

DIN 5040 A 4 0
CIE N1=49 N2=79 N3=96
N4=100 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 100.0%
 ϕ_o 0.0%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round S	Order number: 51MF61DA3NBA EAN: 4069025810052	LP number 60071_22
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°	372.1	2.2	2.2
5°	370.3	17.7	19.9
10°	364.3	34.7	54.6
15°	354.3	50.3	104.9
20°	340.6	63.8	168.7
25°	323.6	75.0	243.7
30°	303.5	83.2	326.8
35°	281.0	88.3	415.2
40°	256.7	90.4	505.6
45°	230.6	89.4	595.0
50°	203.7	85.5	680.5
55°	176.4	79.2	759.7
60°	148.2	70.4	830.1
65°	119.6	59.4	889.5
70°	91.1	46.9	936.5
75°	63.8	33.8	970.3
80°	38.4	20.7	991.0
85°	16.5	9.0	1000.0
90°	0.0	0.0	1000.0
95°	0.0	0.0	1000.0
100°	0.0	0.0	1000.0
105°	0.0	0.0	1000.0
110°	0.0	0.0	1000.0
115°	0.0	0.0	1000.0
120°	0.0	0.0	1000.0
125°	0.0	0.0	1000.0
130°	0.0	0.0	1000.0
135°	0.0	0.0	1000.0
140°	0.0	0.0	1000.0
145°	0.0	0.0	1000.0
150°	0.0	0.0	1000.0
155°	0.0	0.0	1000.0
160°	0.0	0.0	1000.0
165°	0.0	0.0	1000.0
170°	0.0	0.0	1000.0
175°	0.0	0.0	1000.0
180°	0.0	0.0	1000.0

Photometric test report

Family Silica® 21 round S			Order number: 51MF61DA3NBA EAN: 4069025810052							LP number 60071_22	
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	18.4	20.1	18.7	20.4	20.7	18.4	20.1	18.7	20.4	20.7
	3H	19.9	21.5	20.3	21.8	22.2	19.9	21.5	20.3	21.8	22.2
	4H	20.6	22.0	21.0	22.4	22.7	20.6	22.0	21.0	22.4	22.7
	6H	21.1	22.4	21.5	22.7	23.1	21.1	22.4	21.5	22.7	23.1
	8H	21.3	22.5	21.7	22.9	23.3	21.3	22.5	21.7	22.9	23.3
	12H	21.4	22.5	21.8	22.9	23.3	21.4	22.5	21.8	22.9	23.3
4H	2H	19.1	20.6	19.5	20.9	21.3	19.1	20.6	19.5	20.9	21.3
	3H	20.9	22.1	21.3	22.5	22.9	20.9	22.1	21.3	22.5	22.9
	4H	21.6	22.7	22.1	23.1	23.6	21.6	22.7	22.1	23.1	23.6
	6H	22.2	23.2	22.7	23.6	24.1	22.2	23.2	22.7	23.6	24.1
	8H	22.4	23.3	22.9	23.8	24.2	22.4	23.3	22.9	23.8	24.2
	12H	22.6	23.4	23.1	23.8	24.3	22.6	23.4	23.1	23.8	24.3
8H	4H	22.0	22.8	22.4	23.3	23.8	22.0	22.8	22.4	23.3	23.8
	6H	22.7	23.4	23.2	23.9	24.4	22.7	23.4	23.2	23.9	24.4
	8H	23.0	23.6	23.5	24.1	24.6	23.0	23.6	23.5	24.1	24.6
	12H	23.2	23.7	23.7	24.2	24.8	23.2	23.7	23.7	24.2	24.8
12H	4H	22.0	22.8	22.5	23.3	23.7	22.0	22.8	22.5	23.3	23.7
	6H	22.8	23.4	23.3	23.9	24.4	22.8	23.4	23.3	23.9	24.4
	8H	23.1	23.6	23.6	24.1	24.7	23.1	23.6	23.6	24.1	24.7

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 386
C-planes		0°		
γ	Luminance in cd/m²			
45°	6102.0			
50°	5931.7			
55°	5755.5			
60°	5548.3			
65°	5296.6			
70°	4986.9			
75°	4615.2			
80°	4142.4			
85°	3538.5			

Photometric test report

Family
Silica® 21 round S

Order number: 51MF61DA3NBA
EAN: 4069025810052

LP number
60071_22

Luminance values in cd/m²

γ 65°

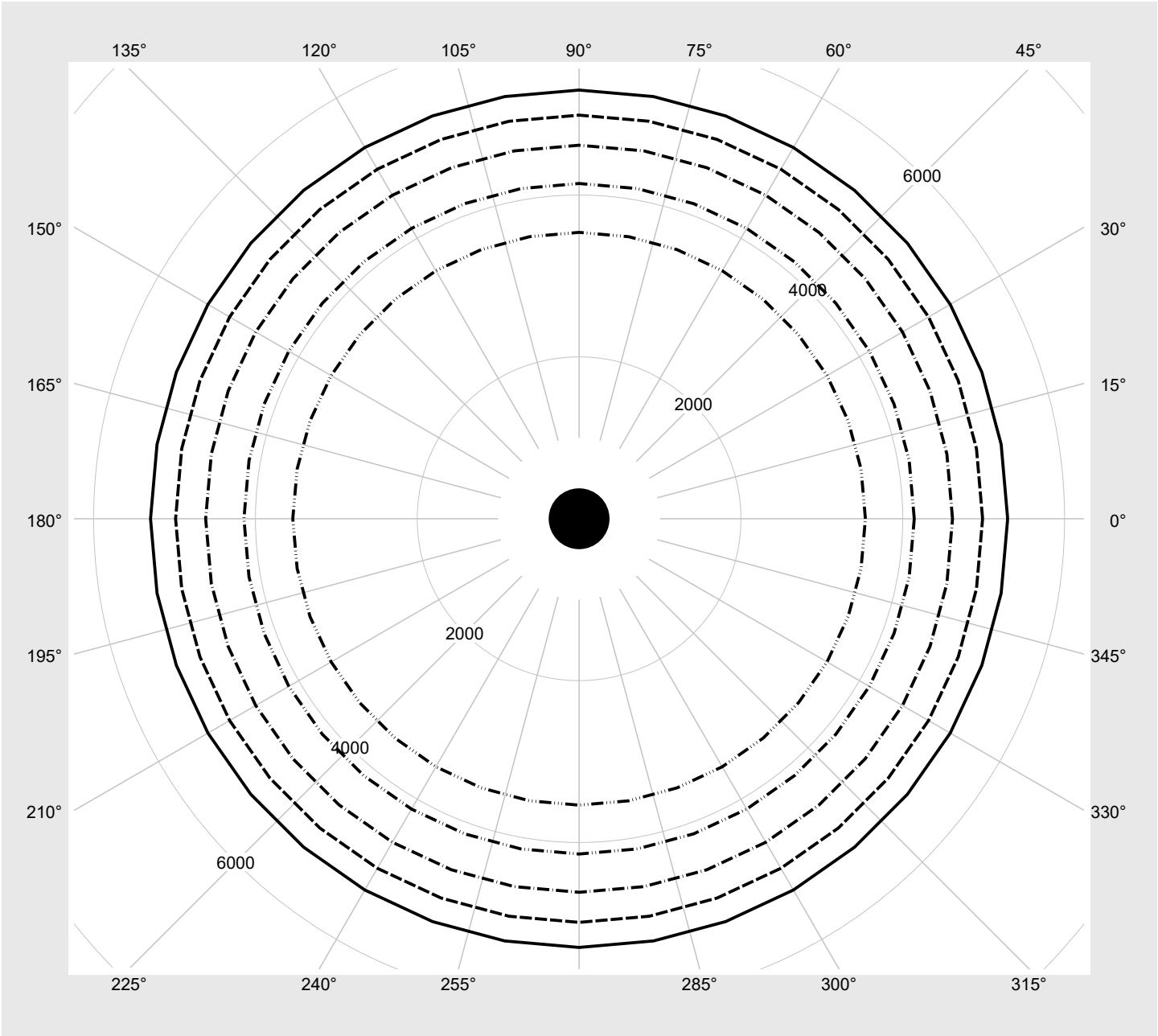
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51MF61DA3NBA EAN: 4069025810052	LP number 60071_22
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	2190	15.9
95	241	252	2080	15.1
90	228	250	1968	14.3
85	215	248	1857	13.5
80	203	246	1755	12.8
75	190	243	1643	12.1
70	177	241	1531	11.3
65	165	238	1428	10.6
60	152	235	1316	9.9
55	139	232	1203	9.1
50	127	229	1099	8.4
45	114	225	985	7.6
40	101	220	872	6.9
35	89	216	767	6.1
30	76	210	653	5.3
25	64	204	548	4.6
20	52	196	441	3.9
15	39	185	327	3.0
10	27	172	220	2.3
5	15	150	113	1.4
4	13	145	95	1.2