

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DA3NBA
EAN: 4069025807182

LP number
60078_4

serial
documentation
20.05.2026

siteco



Version

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

Lamps

LED 3000 K | CRI ≥ 80

Controlgear

ECG-DALI

Rated values

Net luminous flux = 3630 lm

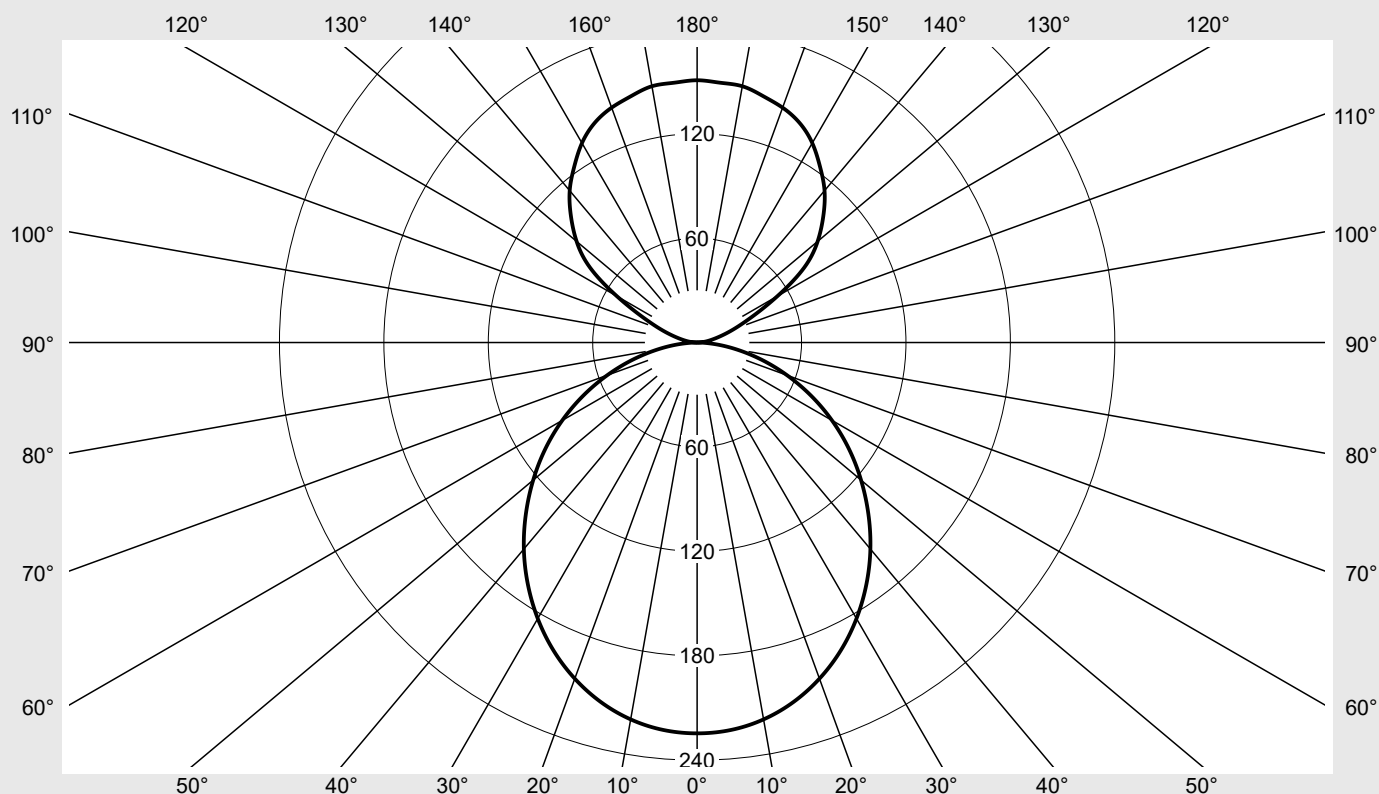
Power consumption = 25.2 W

Luminous efficacy = 144 lm/W

Luminous intensity in cd/klm

C180-0

Imax: 225 cd/klm



Classifications

DIN 5040 B 4 3
CIE N1=49 N2=79 N3=96
N4=60 N5=100

Luminaire light output ratios

η_{LB} 100.0%
 ϕ_u 60.4%
 ϕ_o 39.6%

Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round S	Order number: 51MF31DA3NBA EAN: 4069025807182	LP number 60078_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°	224.6	1.3	1.3
5°	223.5	10.7	12.0
10°	219.9	20.9	32.9
15°	213.9	30.3	63.3
20°	205.5	38.5	101.8
25°	195.3	45.2	147.1
30°	183.2	50.2	197.3
35°	169.6	53.3	250.6
40°	154.9	54.6	305.1
45°	139.1	53.9	359.1
50°	123.0	51.6	410.7
55°	106.5	47.8	458.5
60°	89.5	42.5	501.0
65°	72.2	35.9	536.8
70°	55.0	28.3	565.2
75°	38.5	20.4	585.6
80°	23.2	12.5	598.1
85°	9.9	5.4	603.5
90°	0.8	0.5	604.0
95°	3.4	1.9	605.8
100°	7.7	4.2	610.0
105°	13.6	7.2	617.2
110°	22.3	11.5	628.7
115°	34.5	17.1	645.9
120°	53.3	25.3	671.1
125°	75.2	33.8	704.9
130°	90.4	38.0	742.9
135°	102.5	39.7	782.6
140°	113.9	40.1	822.7
145°	123.2	38.7	861.5
150°	132.3	36.3	897.7
155°	139.3	32.3	930.0
160°	143.6	26.9	956.9
165°	146.6	20.8	977.7
170°	149.5	14.2	991.9
175°	149.9	7.2	999.1
180°	150.7	0.9	1000.0

Photometric test report

Family Silica® 21 round S			Order number: 51MF31DA3NBA EAN: 4069025807182							LP number 60078_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	15.8	16.8	16.6	17.7	18.7	15.8	16.8	16.6	17.7	18.7
	3H	17.2	18.1	18.1	19.0	20.1	17.2	18.1	18.1	19.0	20.1
	4H	17.8	18.7	18.7	19.6	20.7	17.8	18.7	18.7	19.6	20.7
	6H	18.3	19.1	19.2	20.0	21.1	18.3	19.1	19.2	20.0	21.1
	8H	18.3	19.1	19.2	20.0	21.1	18.3	19.1	19.2	20.0	21.1
	12H	18.4	19.1	19.3	20.0	21.2	18.4	19.1	19.3	20.0	21.2
4H	2H	16.4	17.2	17.2	18.1	19.2	16.4	17.2	17.2	18.1	19.2
	3H	18.0	18.8	18.9	19.7	20.8	18.0	18.8	18.9	19.7	20.8
	4H	18.7	19.4	19.6	20.3	21.5	18.7	19.4	19.6	20.3	21.5
	6H	19.3	19.9	20.2	20.8	22.0	19.3	19.9	20.2	20.8	22.0
	8H	19.4	19.9	20.3	20.9	22.1	19.4	19.9	20.3	20.9	22.1
	12H	19.6	20.0	20.5	21.0	22.2	19.6	20.0	20.5	21.0	22.2
8H	4H	18.9	19.4	19.9	20.4	21.6	18.9	19.4	19.9	20.4	21.6
	6H	19.6	20.0	20.5	20.9	22.2	19.6	20.0	20.5	20.9	22.2
	8H	19.9	20.2	20.8	21.2	22.4	19.9	20.2	20.8	21.2	22.4
	12H	20.1	20.4	21.1	21.4	22.6	20.1	20.4	21.1	21.4	22.6
12H	4H	19.0	19.4	19.9	20.4	21.6	19.0	19.4	19.9	20.4	21.6
	6H	19.7	20.1	20.7	21.0	22.2	19.7	20.1	20.7	21.0	22.2
	8H	20.0	20.3	21.0	21.3	22.5	20.0	20.3	21.0	21.3	22.5

Luminance table		Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	D = 386
C-planes		0°		
γ	Luminance in cd/m²			
45°	6104.0			
50°	5933.7			
55°	5757.4			
60°	5550.2			
65°	5298.5			
70°	4988.7			
75°	4616.8			
80°	4143.7			
85°	3539.9			

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DA3NBA
EAN: 4069025807182

LP number
60078_4

Luminance values in cd/m²

γ 65°

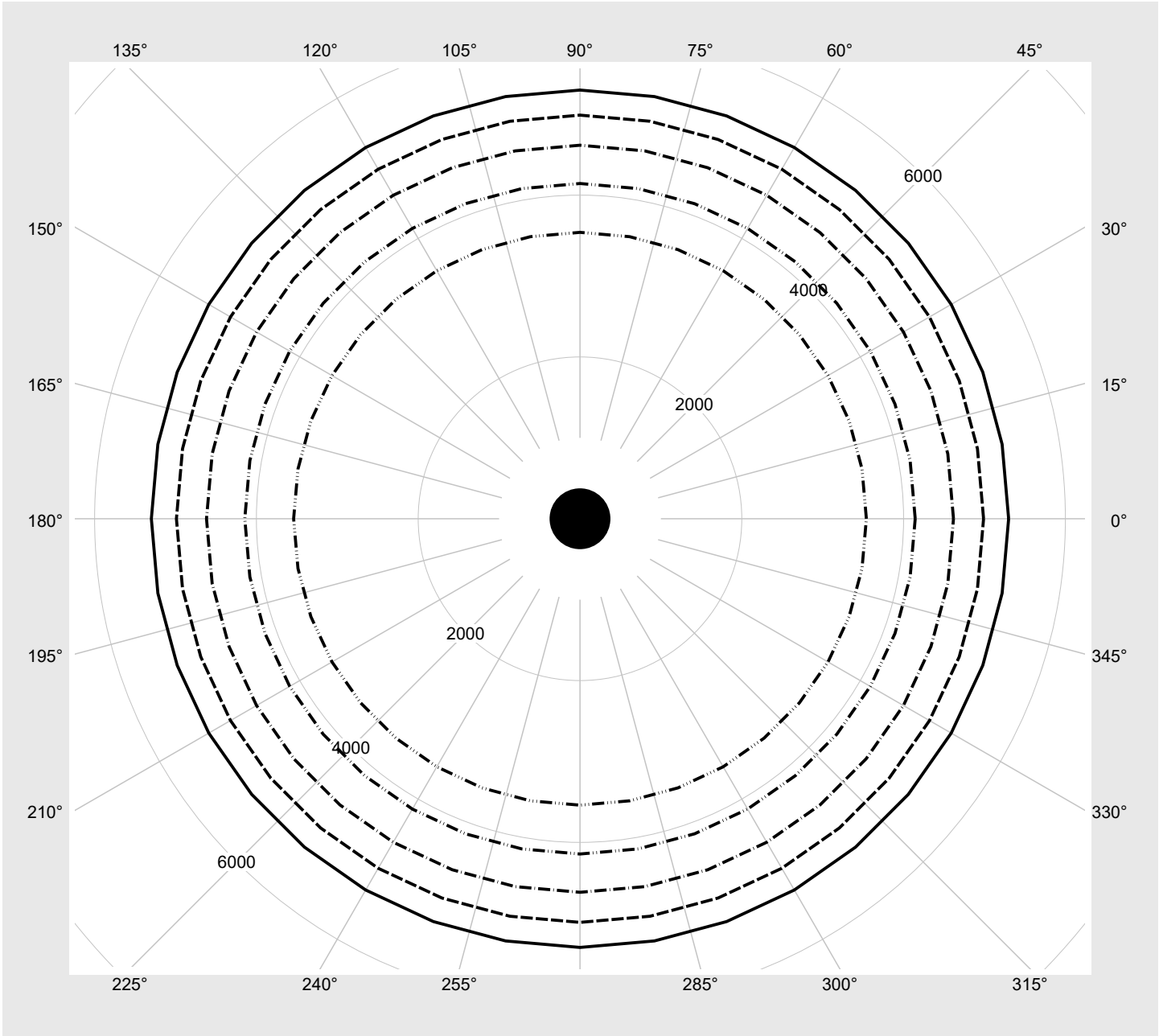
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51MF31DA3NBA EAN: 4069025807182	LP number 60078_4
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3630	25.2
95	241	252	3449	24.0
90	228	250	3267	22.7
85	215	248	3085	21.5
80	202	246	2901	20.2
75	189	243	2718	18.9
70	177	241	2547	17.8
65	164	238	2362	16.5
60	151	235	2177	15.3
55	138	232	1990	14.1
50	126	228	1817	13.0
45	113	224	1629	11.7
40	101	220	1455	10.6
35	88	215	1266	9.3
30	76	210	1091	8.2
25	63	203	901	6.9
20	51	195	725	5.8
15	39	185	548	4.6
10	26	171	356	3.3
5	14	148	178	1.9
2	8	127	88	1.2