

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DAENBA
EAN: 4069025807359

LP number
60078_7

serial
documentation
20.05.2026

siteco



Version

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

Lamps

LED 4000 K | CRI ≥ 90

Controlgear

ECG-DALI

Rated values

Net luminous flux = 3630 lm

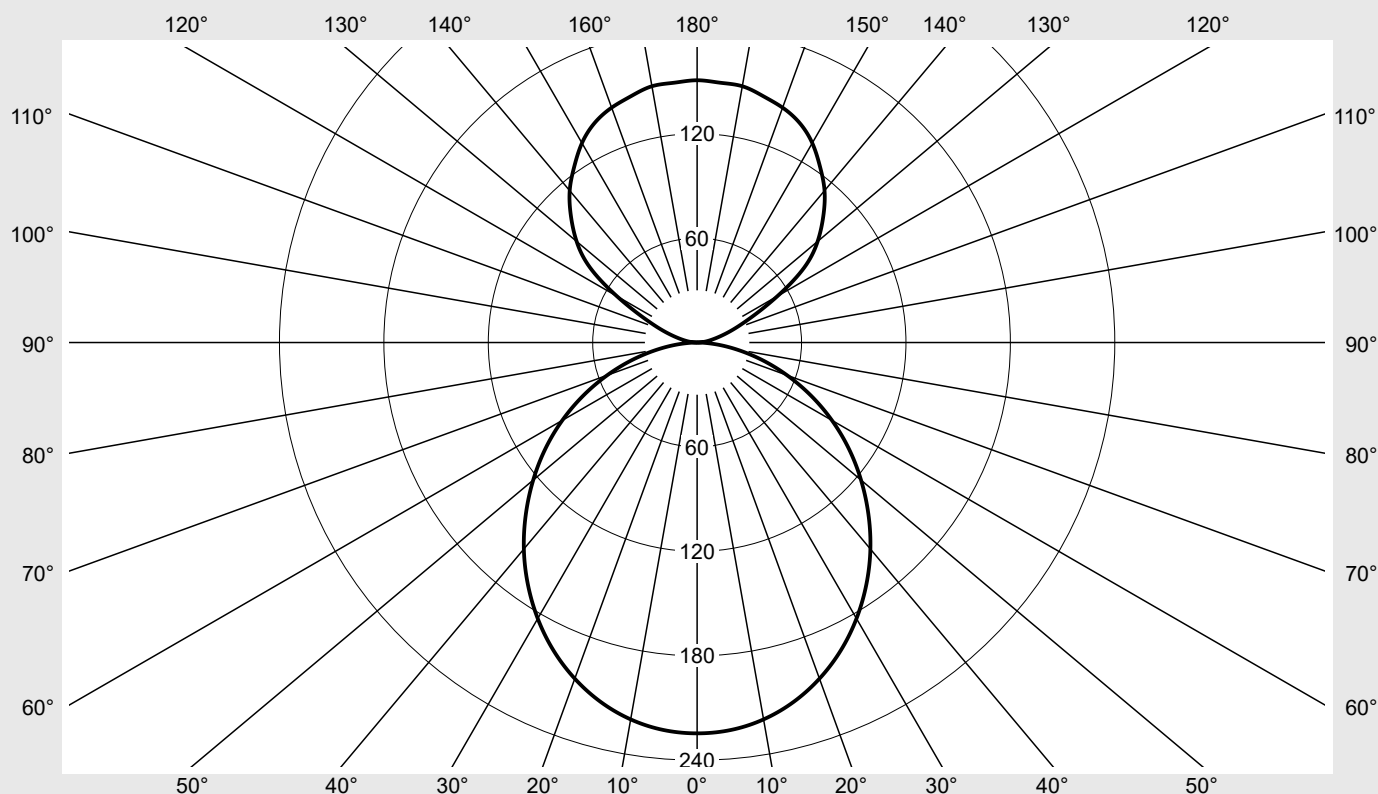
Power consumption = 26.5 W

Luminous efficacy = 137 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: 51MF31DAENBA EAN: 4069025807359	LP number 60078_7
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: 51MF31DAENBA EAN: 4069025807359	LP number 60078_7
------------------------------	--	----------------------

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: 51MF31DAENBA
EAN: 4069025807359

LP number
60078_7

Luminance values in cd/m²

γ 65°

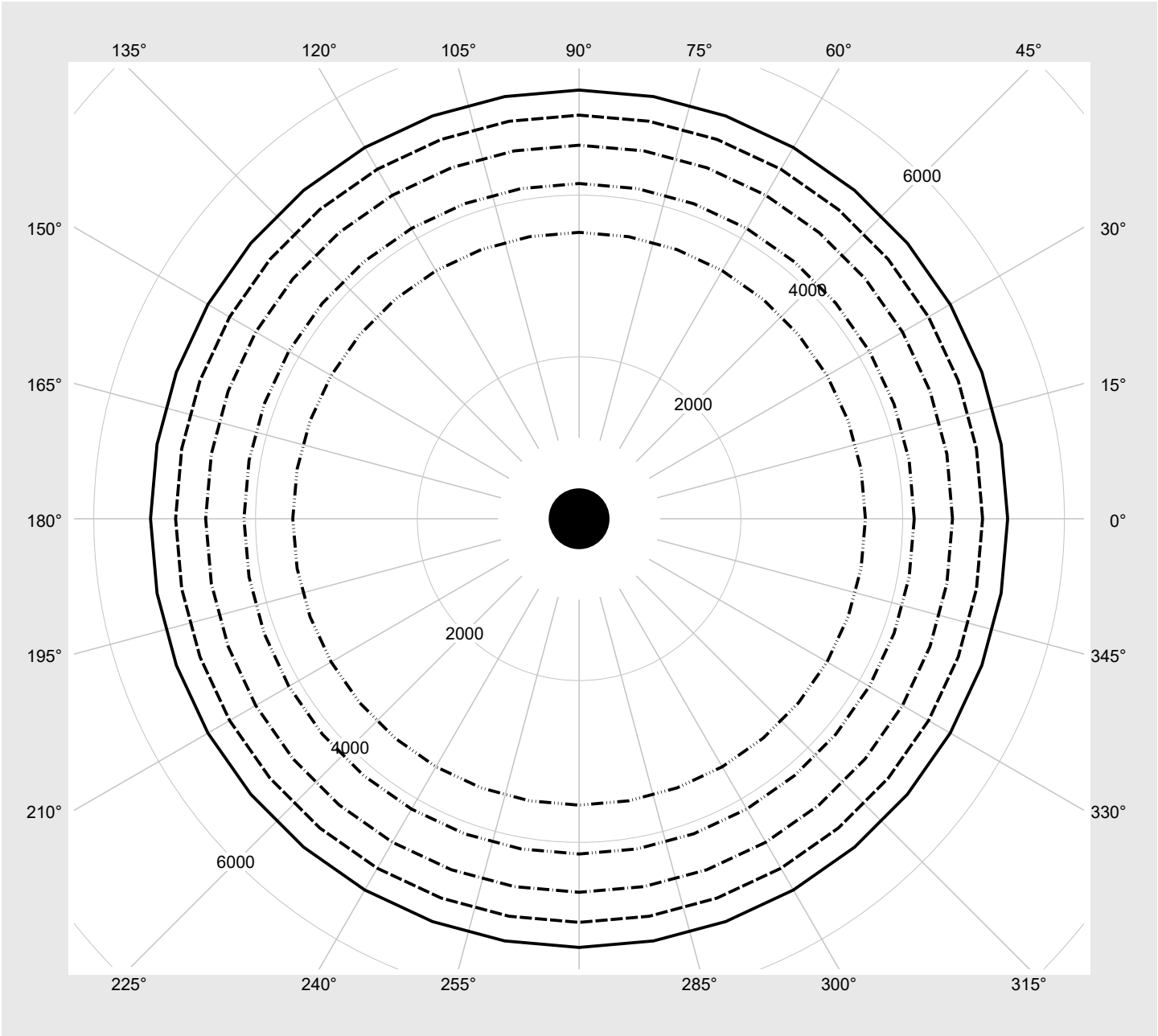
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51MF31DAENBA EAN: 4069025807359	LP number 60078_7
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	26.5
95	241	252	3453	25.1
90	227	250	3261	23.7
85	214	248	3081	22.3
80	201	245	2900	21.0
75	188	243	2720	19.6
70	175	240	2537	18.4
65	162	238	2354	17.1
60	150	235	2184	15.9
55	137	231	1999	14.6
50	124	228	1813	13.2
45	112	224	1640	12.0
40	99	219	1452	10.7
35	86	214	1264	9.5
30	74	209	1089	8.3
25	62	202	914	7.1
20	49	194	723	5.7
15	37	183	545	4.5
10	25	169	367	3.2
5	13	145	188	1.8
3	8	127	113	1.3