

Photometric test report

Family
Silica® 21 round S

Order number: 51MF31DA4NWA
EAN: 4069025807274

LP number
60077_5



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

Lamps LED 4000 K | CRI ≥ 80

Controlgear ECG-DALI

Rated values Net luminous flux = 3290 lm
Power consumption = 19.9 W
Luminous efficacy = 165.3 lm/W

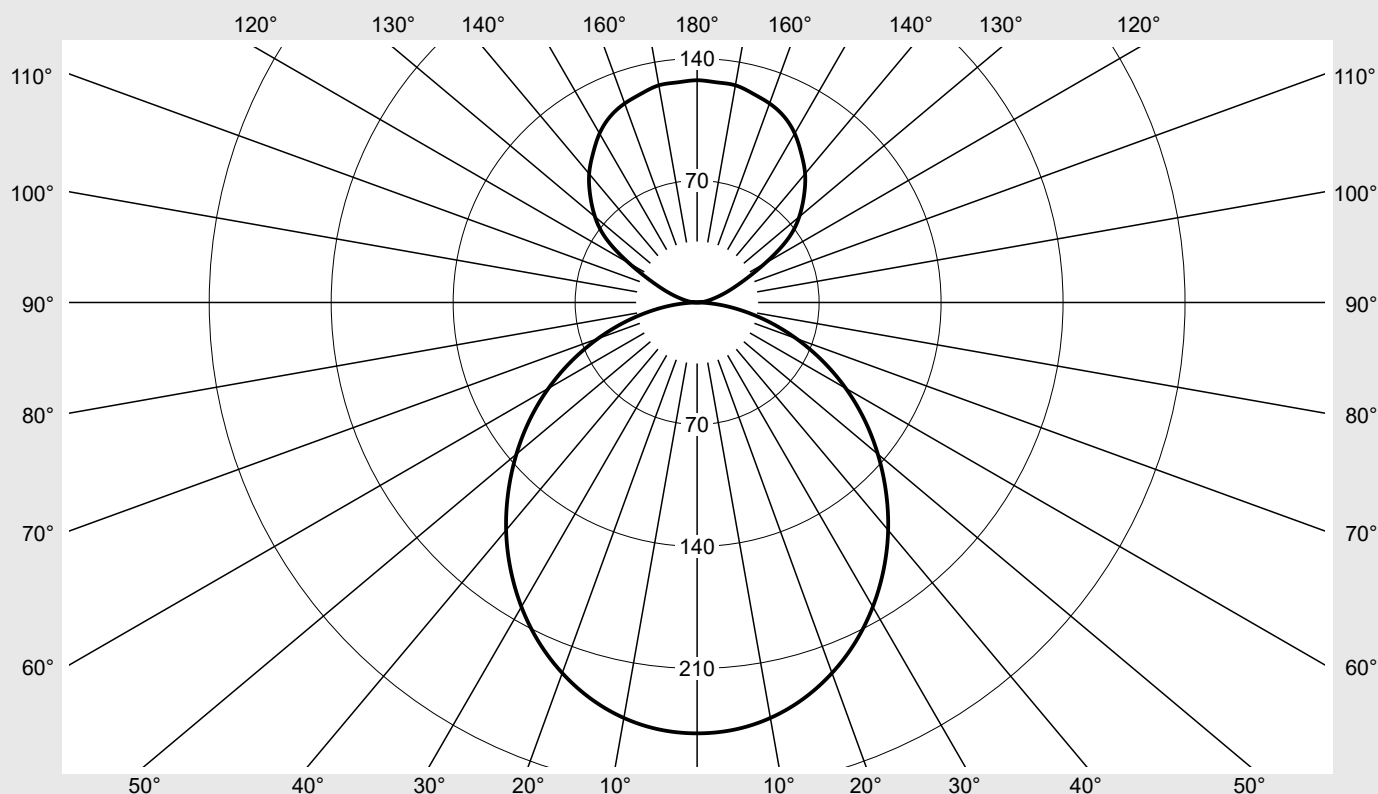
serial
documentation
20.05.2026

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: 51MF31DA4NWA EAN: 4069025807274	LP number 60077_5
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: 51MF31DA4NWA EAN: 4069025807274							LP number 60077_5	
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
	3H	17.7	18.7	18.5	19.5	20.5	17.7	18.7	18.5	19.5
	4H	18.3	19.2	19.1	20.0	21.1	18.3	19.2	19.1	20.0
	6H	18.7	19.6	19.6	20.4	21.5	18.7	19.6	19.6	20.4
	8H	18.8	19.6	19.6	20.4	21.5	18.8	19.6	19.6	20.4
	12H	18.9	19.7	19.8	20.5	21.6	18.9	19.7	19.8	20.5
4H	2H	16.8	17.8	17.6	18.6	19.6	16.8	17.8	17.6	18.6
	3H	18.5	19.3	19.3	20.1	21.2	18.5	19.3	19.3	20.1
	4H	19.2	19.9	20.1	20.8	21.8	19.2	19.9	20.1	20.8
	6H	19.8	20.4	20.6	21.3	22.3	19.8	20.4	20.6	21.3
	8H	19.9	20.4	20.8	21.3	22.4	19.9	20.4	20.8	21.3
	12H	20.1	20.5	20.9	21.4	22.6	20.1	20.5	20.9	21.4
8H	4H	19.4	20.0	20.3	20.9	22.0	19.4	20.0	20.3	20.9
	6H	20.1	20.5	21.0	21.4	22.6	20.1	20.5	21.0	21.4
	8H	20.4	20.8	21.3	21.7	22.8	20.4	20.8	21.3	21.7
	12H	20.6	20.9	21.5	21.9	23.0	20.6	20.9	21.5	21.9
12H	4H	19.5	20.0	20.4	20.9	22.0	19.5	20.0	20.4	20.9
	6H	20.2	20.6	21.1	21.5	22.6	20.2	20.6	21.1	21.5
	8H	20.5	20.8	21.4	21.8	22.9	20.5	20.8	21.4	21.8

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: 51MF31DA4NWA
EAN: 4069025807274

LP number
60077_5

Luminance values in cd/m²

γ 65°

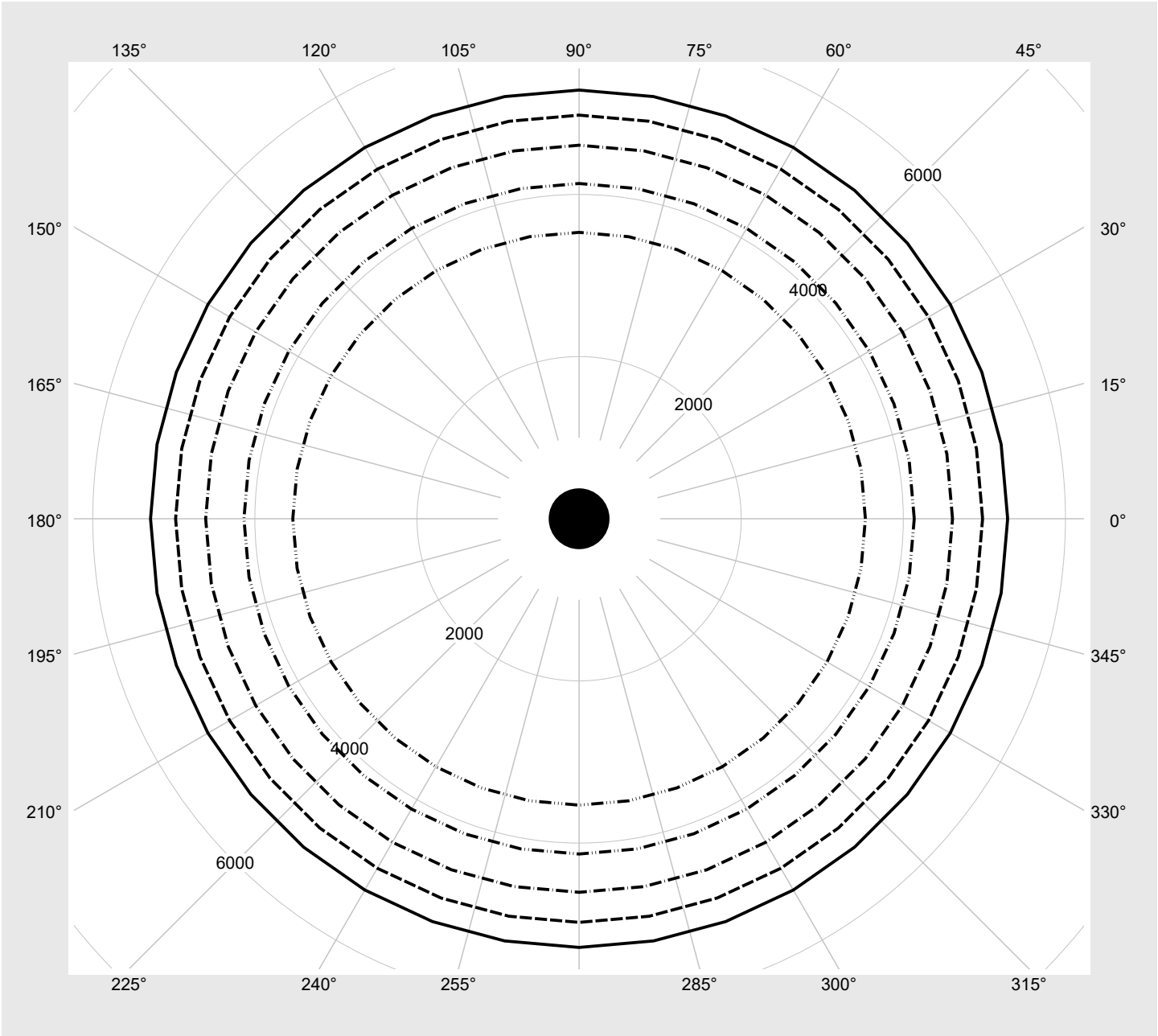
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round S	Order number: 51MF31DA4NWA EAN: 4069025807274	LP number 60077_5
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3290	19.9
95	241	252	3124	18.9
90	228	250	2957	18.0
85	216	248	2803	17.2
80	203	246	2635	16.2
75	190	243	2466	15.2
70	177	241	2297	14.2
65	165	238	2142	13.3
60	152	235	1971	12.3
55	140	232	1814	11.4
50	127	229	1644	10.4
45	115	225	1485	9.5
40	102	221	1314	8.5
35	90	216	1155	7.6
30	77	210	983	6.7
25	65	204	823	5.8
20	53	197	663	4.9
15	40	186	488	3.8
10	28	173	327	2.8
5	16	153	165	1.8
3	10	136	85	1.2