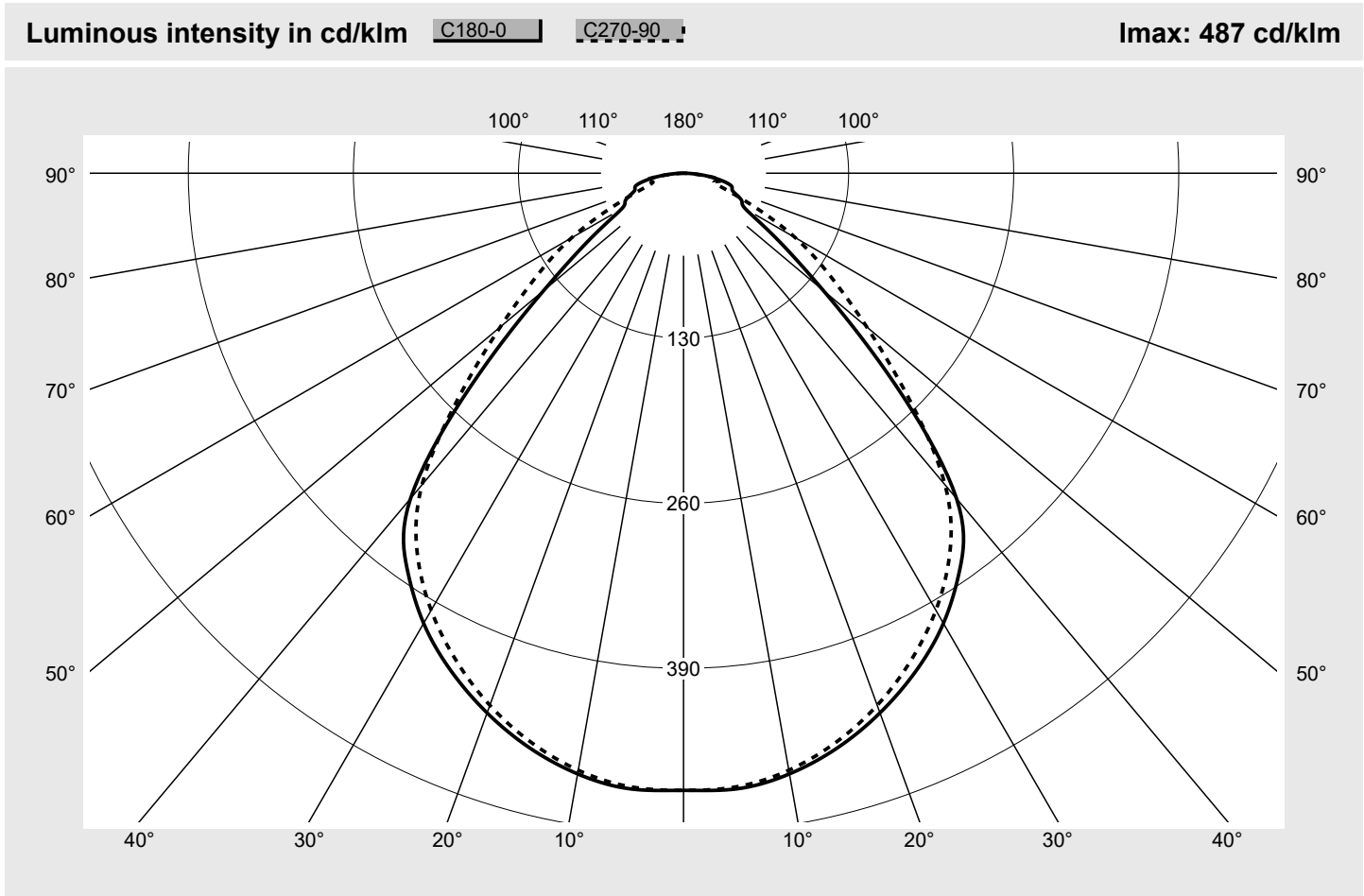


Photometric test report

Family Silica® 21 round M	Order number: 51MF63DB3MWA EAN: 4069025811059	LP number 59826_781
	Version	surface-mounted luminaire, housing, white, microprismatic optics, direct wide distribution, UGR≤19
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 5560 lm Power consumption = 33.4 W Luminous efficacy = 166.5 lm/W
		serial documentation 20.05.2026
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 5 0	η_{LB}	100.0%
CIE	N1=64 N2=89 N3=97	ϕ_u	100.0%
	N4=100 N5=100	ϕ_o	0.0%

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Silica® 21 round M	Order number: 51MF63DB3MWA EAN: 4069025811059	LP number 59826_781
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C- planes	0° 180°	15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm							Luminous flux in lm/klm	
0°	486.1	486.1	486.1	486.1	486.1	486.1	486.1	2.9	2.9
5°	486.7	484.1	481.4	483.1	485.4	485.1	485.0	23.1	26.0
10°	480.4	477.8	474.6	475.9	477.9	477.5	477.5	45.4	71.5
15°	468.5	466.0	462.5	463.3	464.8	464.2	464.0	65.9	137.4
20°	452.3	449.7	445.8	446.0	446.9	446.2	446.0	83.9	221.2
25°	432.8	429.8	425.0	424.8	425.7	424.4	423.6	98.8	320.0
30°	409.4	405.7	400.1	399.8	401.2	399.1	397.5	110.0	430.0
35°	379.7	376.2	369.4	369.8	370.7	368.6	365.6	116.7	546.7
40°	334.5	334.6	328.5	328.1	322.7	324.2	320.4	115.4	662.1
45°	236.5	251.7	255.4	250.5	228.6	250.0	251.1	95.6	757.7
50°	143.7	164.9	192.5	164.8	142.8	162.3	188.3	69.5	827.3
55°	88.6	101.2	143.4	100.8	87.8	98.6	141.0	48.4	875.6
60°	56.4	68.4	100.7	69.1	56.3	67.5	101.9	34.9	910.5
65°	50.4	58.5	62.3	59.9	51.6	59.9	58.9	28.7	939.3
70°	41.3	50.4	31.9	51.3	41.6	51.4	31.5	22.6	961.8
75°	39.1	35.2	27.9	35.9	39.6	35.7	25.6	18.2	980.1
80°	28.0	21.2	27.7	20.6	28.4	21.6	29.6	13.4	993.4
85°	13.1	12.2	10.3	12.3	13.0	12.5	10.4	6.6	1000.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Silica® 21 round M		Order number: 51MF63DB3MWA EAN: 4069025811059							LP number 59826_781	
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	16.9	18.4	17.3	18.7	19.1	16.7	18.2	17.1	18.5
	3H	17.6	19.0	18.0	19.3	19.7	17.5	18.8	17.9	19.2
	4H	18.1	19.4	18.5	19.7	20.1	17.8	19.1	18.2	19.4
	6H	18.6	19.7	19.0	20.1	20.5	18.3	19.4	18.7	19.8
	8H	18.8	19.9	19.2	20.3	20.7	18.6	19.6	19.0	20.0
	12H	19.0	20.0	19.4	20.4	20.8	18.7	19.7	19.1	20.1
4H	2H	17.2	18.4	17.6	18.8	19.2	17.0	18.3	17.4	18.6
	3H	18.0	19.1	18.4	19.5	19.9	18.0	19.1	18.4	19.5
	4H	18.6	19.5	19.0	19.9	20.4	18.5	19.5	19.0	19.9
	6H	19.2	20.0	19.6	20.4	20.9	19.1	20.0	19.6	20.4
	8H	19.4	20.2	19.9	20.6	21.1	19.4	20.2	19.9	20.6
	12H	19.7	20.3	20.2	20.8	21.3	19.6	20.3	20.1	20.7
8H	4H	18.8	19.6	19.3	20.0	20.5	18.8	19.6	19.3	20.0
	6H	19.6	20.2	20.1	20.7	21.2	19.6	20.2	20.1	20.7
	8H	20.0	20.5	20.5	21.0	21.5	20.0	20.5	20.5	21.0
	12H	20.3	20.7	20.8	21.2	21.8	20.3	20.7	20.8	21.2
12H	4H	18.9	19.5	19.4	20.0	20.5	18.9	19.5	19.4	20.0
	6H	19.7	20.2	20.2	20.7	21.2	19.7	20.2	20.2	20.7
	8H	20.1	20.5	20.6	21.0	21.6	20.1	20.6	20.6	21.1

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		D = 586	
C-planes		15° 165° 195° 345°	30° 150° 210° 330°	45° 135° 225° 315°	60° 120° 240° 300°	75° 105° 255° 285°	90° 270°
	γ	0° 180°	Luminance in cd/m²				
45°		6895.8	7339.3	7445.2	7302.1	6664.0	7287.8
50°		4609.4	5288.0	6174.1	5284.9	4578.8	5204.1
55°		3183.9	3637.3	5154.5	3621.4	3154.6	3542.8
60°		2326.8	2819.0	4150.5	2850.0	2319.7	2782.0
65°		2456.9	2852.1	3038.8	2922.3	2518.2	2923.4
70°		2492.3	3038.3	1924.6	3095.1	2506.2	3101.0
75°		3112.9	2800.5	2222.8	2861.5	3157.8	2840.1
80°		3329.9	2521.3	3290.4	2448.6	3368.4	2569.8
85°		3096.7	2895.9	2444.6	2905.3	3079.4	2966.8

Photometric test report

Family
Silica® 21 round M

Order number: 51MF63DB3MWA
EAN: 4069025811059

LP number
59826_781

Luminance values in cd/m²

γ 65°

γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21 round M	Order number: 51MF63DB3MWA EAN: 4069025811059	LP number 59826_781
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	5560	33.4
95	241	252	5281	31.6
90	228	250	5000	30.0
85	215	248	4720	28.3
80	202	246	4438	26.7
75	190	243	4176	25.1
70	177	241	3893	23.6
65	164	238	3608	21.9
60	152	235	3345	20.4
55	139	232	3059	18.7
50	126	228	2771	17.1
45	114	225	2505	15.7
40	101	220	2216	14.1
35	89	216	1949	12.6
30	76	210	1658	11.1
25	64	204	1389	9.6
20	52	196	1120	8.2
15	39	185	828	6.3
10	27	172	558	4.7
5	15	150	286	3.2
1	6	117	82	2.0