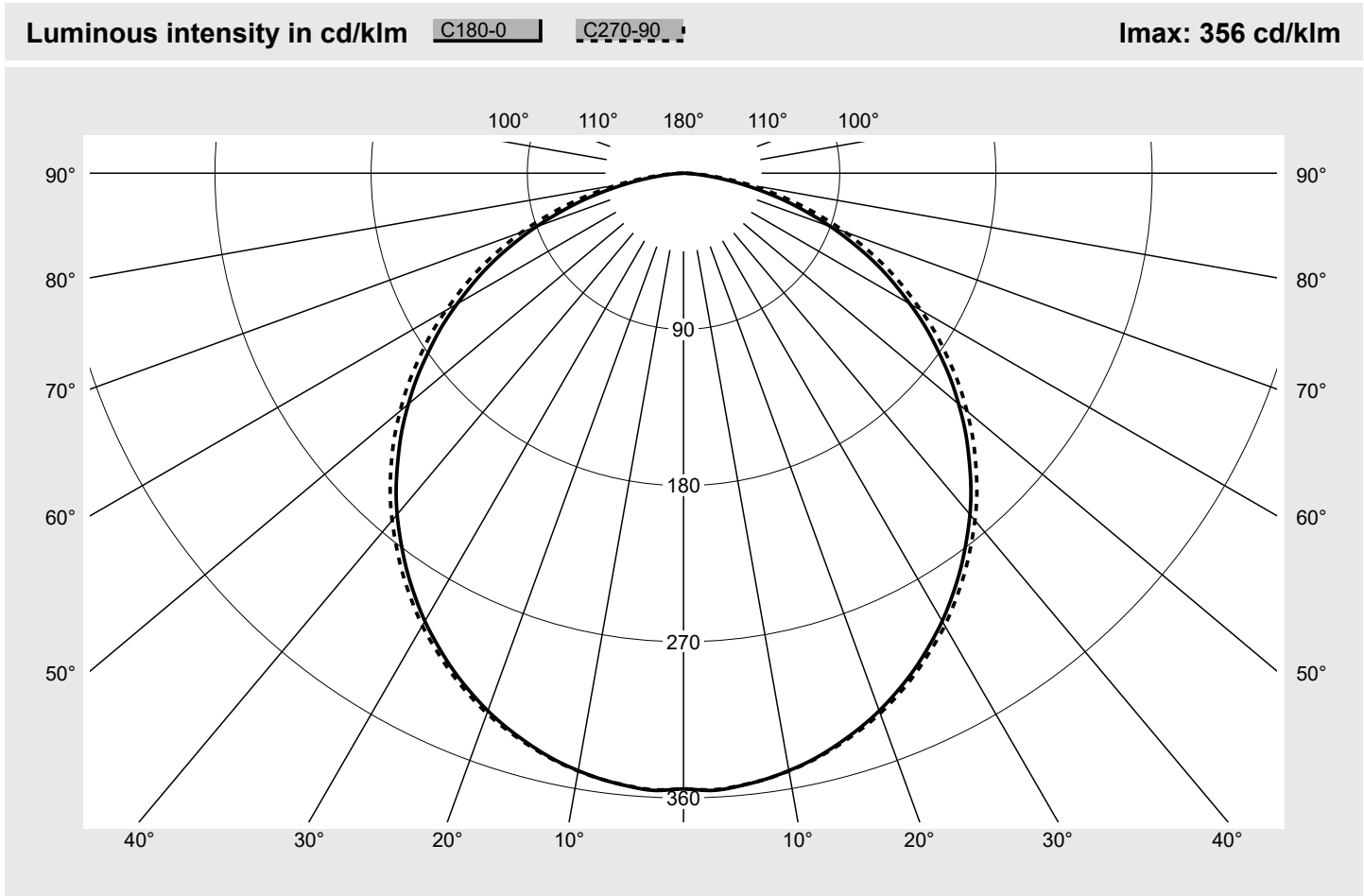


Photometric test report

Family Silica® 21	Order number: 51MX20DB42WB EAN: 4058352898727	LP number 60289_10
	Version	surface-mounted luminaire, with homogeneous illumination, cover, opal, direct distribution, extremely wide distribution
	Lamps	LED 4000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 3000 lm Power consumption = 19.0 W Luminous efficacy = 157.9 lm/W
		serial documentation 23.06.2026
		siteco



Classifications		Luminaire light output ratios	
DIN 5040	A 4 0	η_{LB}	100.0%
CIE	N1=48 N2=79 N3=96	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	Order number: 51MX20DB42WB EAN: 4058352898727	LP number 60289_10
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	
0,0°	354.8	354.8	354.8	354.8	354.8	354.8	354.8	0.5	0.5
2,5°	356.1	354.8	352.5	354.0	355.5	355.5	355.7	4.2	4.8
5,0°	354.8	353.6	351.3	352.8	354.4	354.3	354.5	8.4	13.2
7,5°	352.6	351.6	349.3	350.8	352.4	352.4	352.6	12.6	25.8
10,0°	349.6	348.7	346.4	347.9	349.6	349.5	349.8	16.6	42.4
12,5°	345.9	345.1	342.8	344.3	346.0	346.1	346.3	20.5	62.9
15,0°	341.1	340.5	338.2	339.7	341.5	341.5	341.8	24.2	87.0
17,5°	335.7	335.3	333.0	334.5	336.3	336.5	336.8	27.6	114.7
20,0°	329.7	329.5	327.3	328.8	330.6	330.8	331.2	30.9	145.6
22,5°	322.7	322.7	320.5	321.8	323.8	324.1	324.6	33.9	179.4
25,0°	315.2	315.4	313.2	314.5	316.5	316.9	317.4	36.5	216.0
27,5°	306.8	307.2	305.0	306.3	308.3	308.8	309.3	38.9	254.9
30,0°	298.1	298.7	296.7	297.9	300.0	300.4	301.1	41.0	295.8
32,5°	288.4	289.2	287.3	288.3	290.3	291.0	291.7	42.6	338.5
35,0°	278.3	279.3	277.6	278.6	280.5	281.2	282.0	44.0	382.4
37,5°	267.6	268.7	267.4	268.1	269.9	270.9	271.7	44.9	427.3
40,0°	256.7	257.8	256.8	257.2	259.2	260.2	261.2	45.5	472.8
42,5°	245.1	246.2	245.5	245.9	247.7	248.9	250.2	45.7	518.6
45,0°	232.6	233.7	233.4	233.7	235.5	236.5	238.2	45.5	564.1
47,5°	220.2	221.3	221.5	221.8	223.4	224.3	226.1	45.0	609.1
50,0°	206.9	207.8	208.6	208.9	210.4	211.2	213.1	44.0	653.1
52,5°	193.6	194.4	195.5	195.9	197.4	198.1	200.0	42.7	695.8
55,0°	179.3	180.3	181.6	182.1	183.6	184.1	186.0	41.0	736.7
57,5°	165.5	166.5	167.9	168.6	170.2	170.7	172.6	39.0	775.8
60,0°	150.7	151.9	153.3	154.2	155.7	156.4	157.9	36.6	812.4
62,5°	136.1	137.6	139.1	140.1	141.6	142.5	143.6	34.1	846.5
65,0°	121.4	123.0	124.5	125.7	127.6	128.3	129.2	31.2	877.7
67,5°	105.8	107.6	108.8	110.4	112.5	113.4	114.1	28.0	905.7
70,0°	90.4	92.3	93.2	95.3	97.3	98.6	99.1	24.5	930.2
72,5°	74.6	76.3	77.1	79.6	81.4	83.0	83.4	20.8	951.0
75,0°	59.7	61.0	61.9	64.2	66.4	67.9	68.3	17.0	968.0
77,5°	44.5	45.5	46.7	48.5	50.7	52.4	53.0	13.0	981.0
80,0°	30.9	31.6	32.8	34.2	36.1	37.8	38.5	9.3	990.3
82,5°	18.3	18.8	19.8	20.9	22.6	24.0	24.6	5.8	996.1
85,0°	8.6	8.8	9.5	10.4	11.4	12.6	13.2	2.9	999.0
87,5°	2.4	2.6	2.9	3.4	4.1	4.7	5.1	1.0	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

Photometric test report

Family Silica® 21			Order number: 51MX20DB42WB EAN: 4058352898727							LP number 60289_10	
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	21.2	22.8	21.5	23.2	23.5	21.3	23.0	21.7	23.3	23.6
	3H	22.7	24.2	23.1	24.6	24.9	23.0	24.5	23.4	24.8	25.2
	4H	23.3	24.7	23.7	25.0	25.4	23.6	25.1	24.0	25.4	25.8
	6H	23.6	24.9	24.0	25.3	25.7	24.1	25.4	24.5	25.8	26.2
	8H	23.7	25.0	24.1	25.3	25.7	24.2	25.5	24.7	25.9	26.3
	12H	23.7	24.9	24.2	25.3	25.7	24.3	25.5	24.7	25.9	26.3
4H	2H	21.9	23.4	22.3	23.7	24.1	22.1	23.5	22.5	23.9	24.2
	3H	23.7	24.9	24.1	25.3	25.7	23.9	25.1	24.3	25.5	25.9
	4H	24.3	25.4	24.8	25.8	26.3	24.7	25.8	25.1	26.2	26.6
	6H	24.8	25.7	25.2	26.1	26.6	25.2	26.2	25.7	26.6	27.1
	8H	24.9	25.7	25.3	26.2	26.7	25.4	26.3	25.9	26.7	27.2
	12H	24.9	25.7	25.4	26.2	26.7	25.5	26.3	26.0	26.7	27.2
8H	4H	24.7	25.5	25.1	26.0	26.4	25.0	25.8	25.4	26.3	26.7
	6H	25.2	25.9	25.7	26.4	26.9	25.6	26.3	26.1	26.8	27.3
	8H	25.3	26.0	25.8	26.4	27.0	25.8	26.5	26.3	26.9	27.5
	12H	25.4	25.9	25.9	26.4	27.0	26.0	26.5	26.5	27.0	27.5
12H	4H	24.7	25.5	25.2	25.9	26.4	25.0	25.8	25.5	26.2	26.7
	6H	25.3	25.9	25.8	26.4	26.9	25.7	26.3	26.2	26.8	27.3
	8H	25.4	26.0	25.9	26.4	27.0	25.9	26.4	26.4	26.9	27.5

Luminance table		Max. for $\gamma \geq 65^\circ$		Photometric dimensions in mm:		L = 1500 B = 50		
C-planes	γ	0°	15°	30°	45°	60°	75°	90°
		180°	165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
		Luminance in cd/m²						
45,0°		13160.1	13222.6	13203.5	13219.7	13323.3	13379.9	13476.2
50,0°		12877.6	12934.2	12979.5	13000.5	13092.7	13144.4	13262.5
55,0°		12506.8	12573.9	12661.7	12698.0	12802.2	12841.2	12974.4
60,0°		12052.0	12151.8	12263.0	12334.7	12457.4	12509.4	12634.1
65,0°		11491.6	11642.8	11786.7	11895.0	12077.0	12141.0	12231.9
70,0°		10576.8	10798.7	10901.9	11143.6	11385.2	11526.6	11585.8
75,0°		9225.4	9420.3	9562.8	9920.3	10261.7	10492.7	10555.0
80,0°		7111.6	7282.3	7551.8	7875.0	8326.7	8713.0	8865.5
85,0°		3924.0	4055.3	4347.2	4770.8	5242.1	5790.6	6058.6

Photometric test report

Family
Silica® 21

Order number: **51MX20DB42WB**
EAN: **4058352898727**

LP number
60289_10

Luminance values in cd/m²

γ 65°

γ 70°

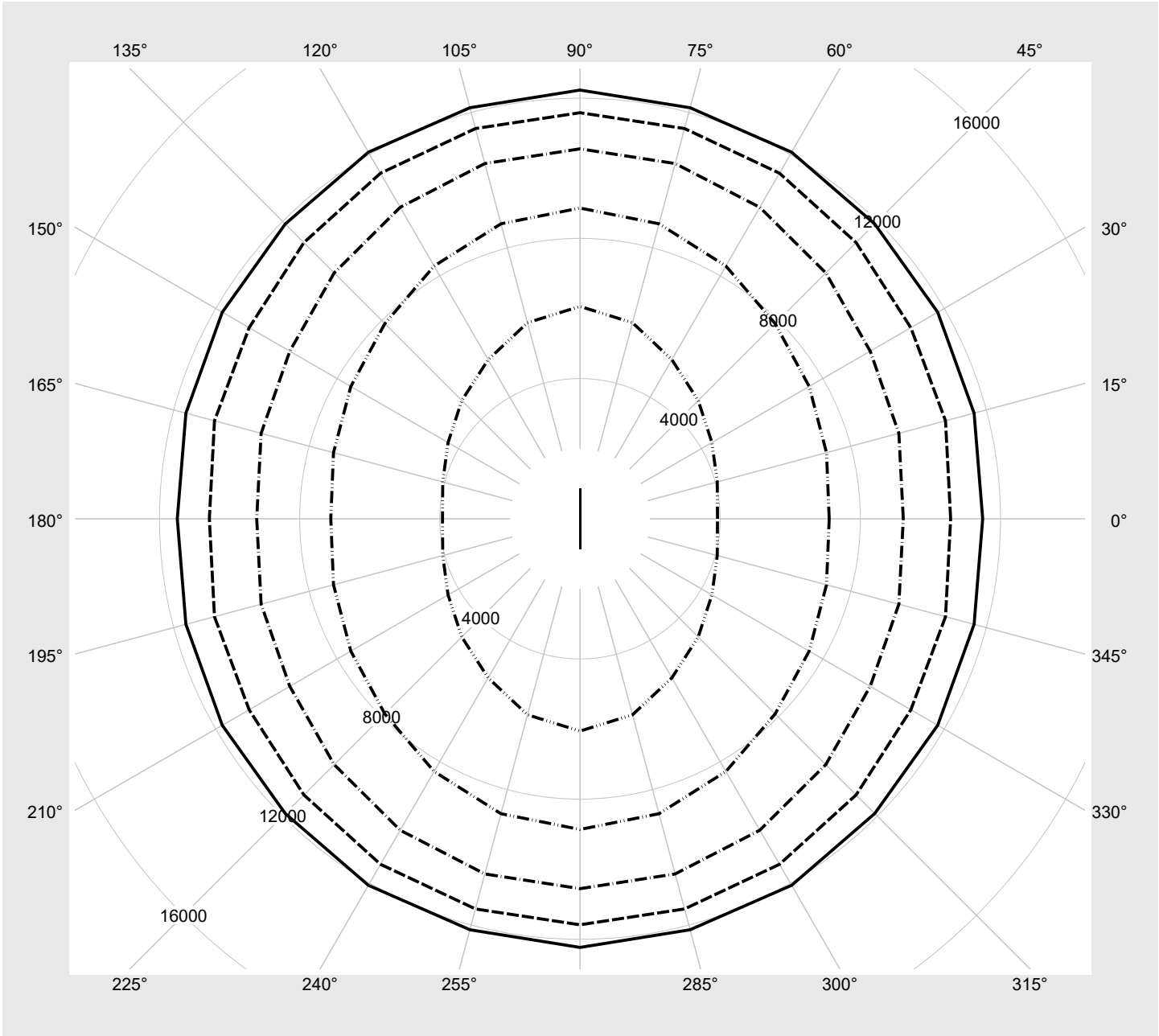
γ 75°

γ 80°

γ 85°

sit

eco



Photometric test report

Family Silica® 21	Order number: 51MX20DB42WB EAN: 4058352898727	LP number 60289_10
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	3000	19.0
95	241	252	2850	18.0
90	228	250	2699	17.1
85	215	248	2550	16.1
80	202	246	2399	15.2
75	189	243	2247	14.2
70	176	241	2095	13.3
65	164	238	1954	12.4
60	151	235	1802	11.5
55	138	232	1648	10.6
50	125	228	1494	9.7
45	113	224	1352	8.8
40	100	220	1197	8.0
35	88	215	1053	7.2
30	75	209	896	6.2
25	63	203	752	5.4
20	50	194	595	4.5
15	38	184	451	3.7
10	26	171	305	2.8
5	14	148	160	1.6