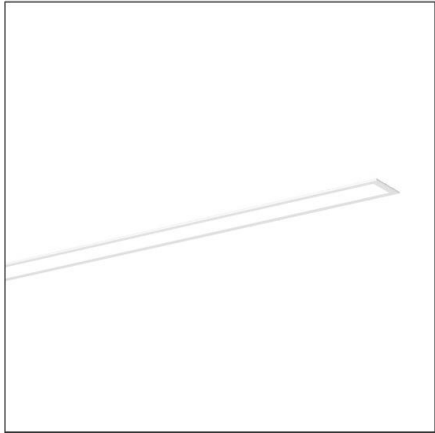
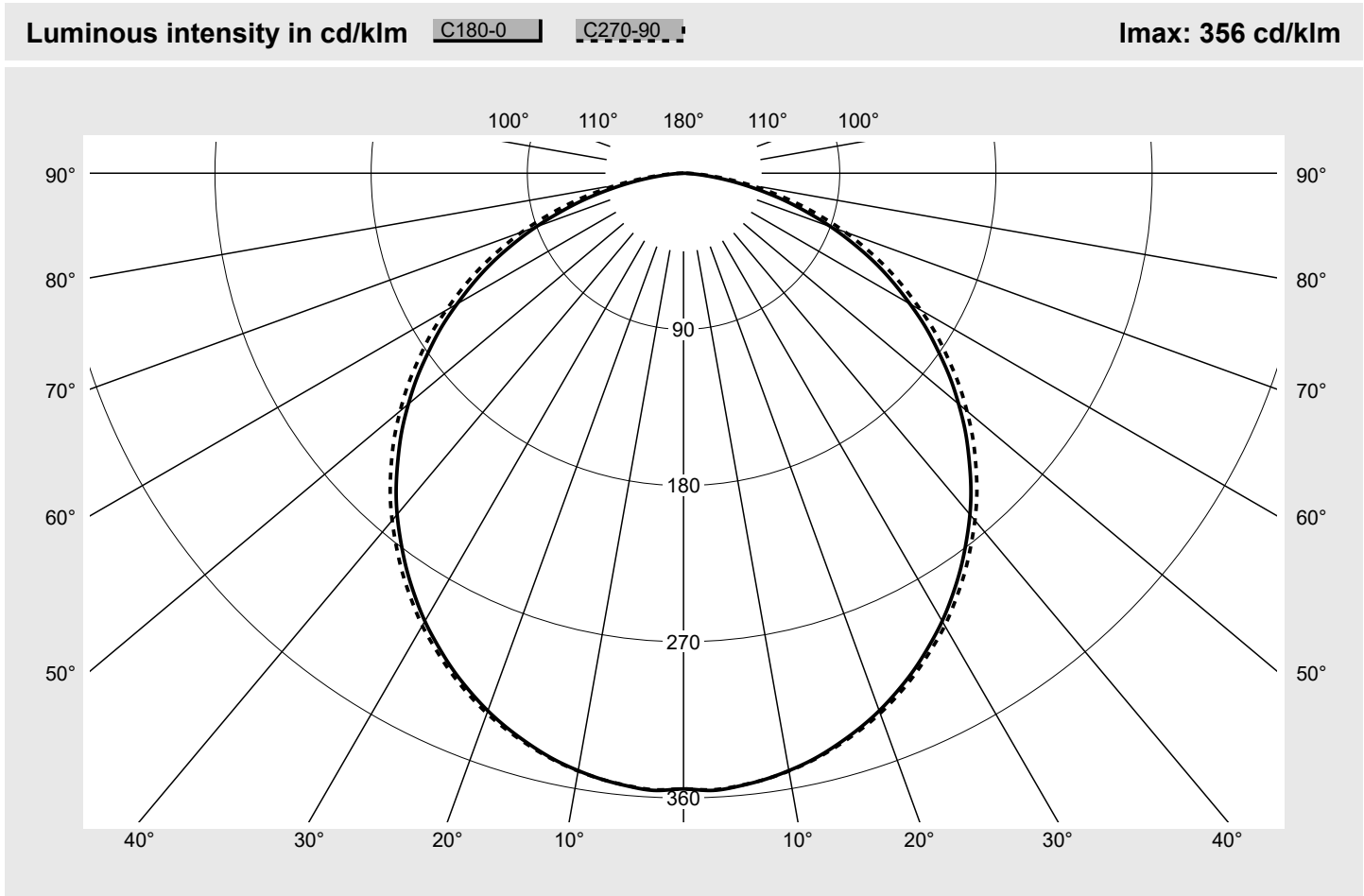


Photometric test report

Family Silica® 21	Order number: 51MX10DA32WB EAN: 4058352898468	LP number 60289_81
	Version	recessed luminaire, with homogeneous illumination, cover, opal, direct distribution, extremely wide distribution
	Lamps	LED 3000 K CRI ≥ 80
	Controlgear	ECG-DALI
	Rated values	Net luminous flux = 2400 lm Power consumption = 16.1 W Luminous efficacy = 149.1 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: 51MX10DA32WB EAN: 4058352898468	LP number 60289_81
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: 51MX10DA32WB EAN: 4058352898468							LP number 60289_81	
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 = 1200 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: 51MX10DA32WB
EAN: 4058352898468

LP number
60289_81

Luminance values in cd/m²

γ 65°

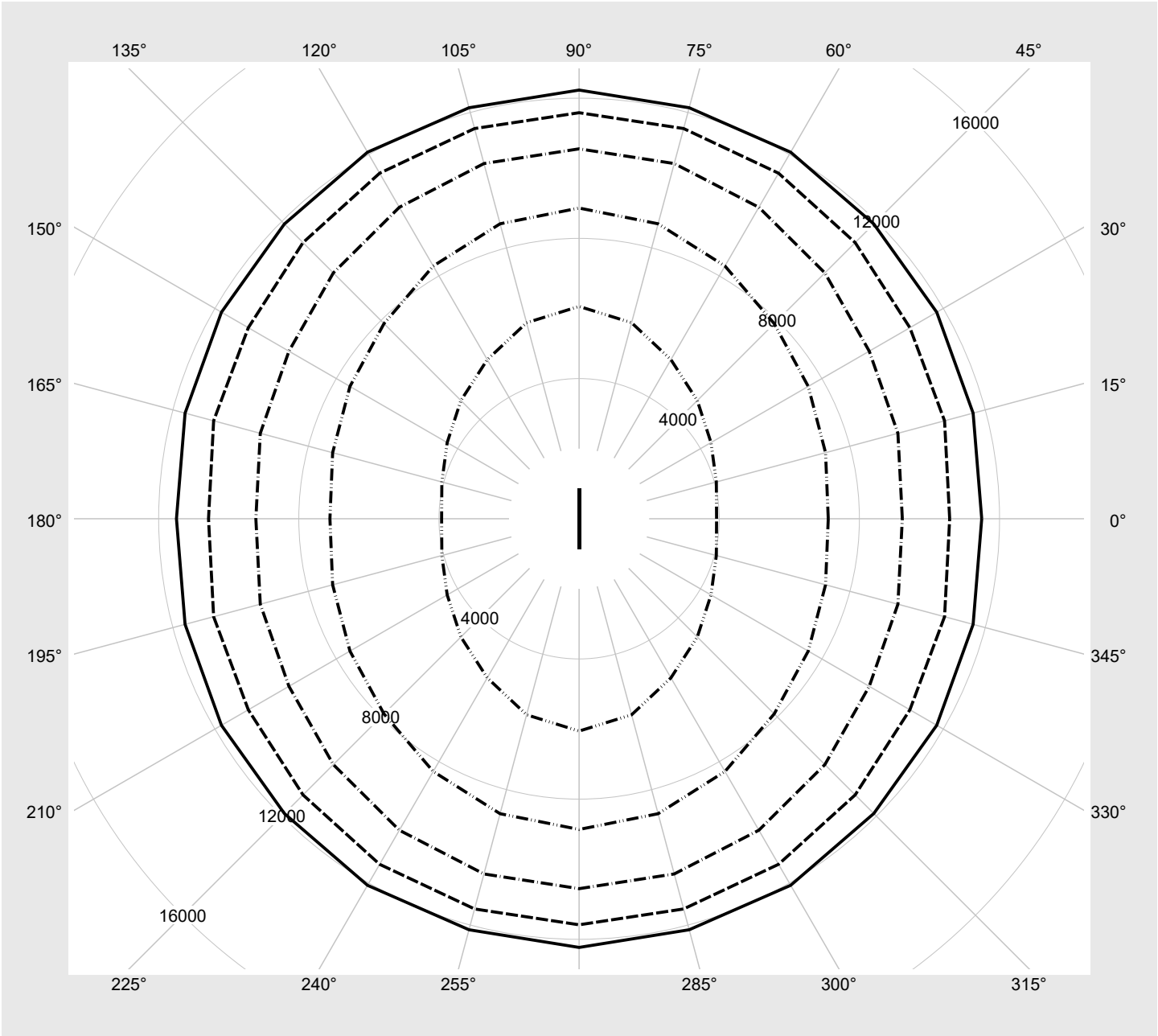
γ 70°

γ 75°

γ 80°

γ 85°

siteco



Photometric test report

Family Silica® 21	Order number: 51MX10DA32WB EAN: 4058352898468	LP number 60289_81
Dimming levels table		environmental temperature: 25°C



Luminous flux [%]	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	2400	16.1
95	241	252	2281	15.4
90	228	250	2162	14.5
85	215	248	2042	13.7
80	202	246	1922	12.9
75	189	243	1801	12.1
70	176	241	1679	11.3
65	163	238	1558	10.5
60	151	235	1444	9.8
55	138	232	1322	9.0
50	125	228	1199	8.2
45	113	224	1084	7.5
40	100	220	961	6.8
35	87	215	836	6.0
30	75	209	721	5.3
25	63	203	604	4.5
20	50	194	479	3.8
15	38	184	363	3.1
10	25	169	236	2.3
5	13	145	119	1.3