



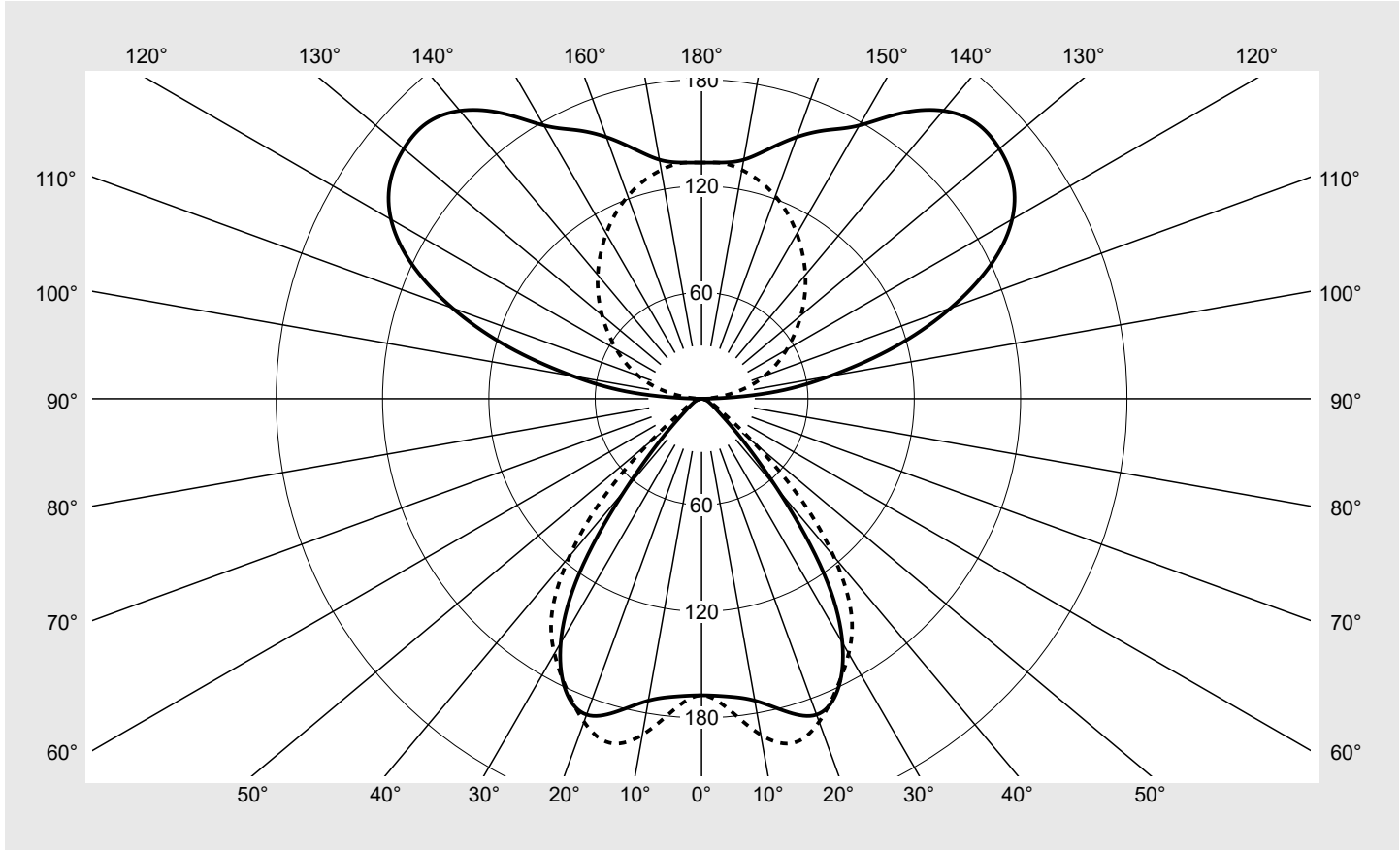
Photometric test report

Family Silica®	Order number: 5MX51BS8WZK00006XX EAN: 4058352374597	LP number 59021_1
	Version Combined lens and reflector optics, frosted cover, UGR≤19 (L65≤3000cd/m²) Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting factory setting: direct and indirect light Rated values Net luminous flux = 24930 lm Power consumption = 154.5 W Luminous efficacy = 161.4 lm/W	serial documentation 07.04.2020





Luminous intensity in cd/klm C180-0 C270-90 **Imax: 220 cd/klm**



Classifications	
DIN 5040	D 6 2
CIE	N1=82 N2=97 N3=100 N4=32 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	31.8%
ϕ_o	68.2%

Measurement conditions
DIN EN 13032 and DIN 5032

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes γ	0° 180°	15°	30°	45°	60°	75°	90° 270°	Phi-zone	Total Phi-zone
		165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°			
Luminous intensity in cd/klm								Luminous flux in lm/klm	
0°	167.3	167.3	167.3	167.3	167.3	167.3	167.3	1.0	1.0
5°	168.6	169.2	169.1	171.7	174.1	175.2	175.9	8.2	9.2
10°	172.9	175.7	178.5	184.5	189.2	191.5	192.5	17.5	26.7
15°	182.5	187.2	191.8	198.3	201.3	201.0	200.9	27.7	54.4
20°	189.7	197.3	203.3	204.2	200.2	195.6	193.9	37.3	91.6
25°	181.5	196.2	207.7	203.2	190.0	182.4	180.4	44.8	136.4
30°	158.9	178.2	193.9	192.2	180.4	167.8	166.0	49.1	185.5
35°	120.3	134.9	151.6	165.4	163.2	149.3	147.1	47.1	232.6
40°	66.8	76.0	93.0	115.4	122.2	116.8	115.8	36.1	268.7
45°	31.9	37.5	46.6	63.4	73.9	75.5	77.0	22.7	291.4
50°	15.6	17.7	22.1	26.2	29.8	34.3	38.0	11.0	302.4
55°	9.5	10.3	11.6	13.2	13.4	15.1	17.7	5.8	308.2
60°	6.4	6.7	7.1	7.6	7.7	8.9	10.4	3.7	311.8
65°	4.7	4.7	4.8	4.8	5.0	6.0	6.7	2.6	314.4
70°	3.3	3.3	3.3	3.2	3.4	3.9	4.1	1.8	316.2
75°	2.0	2.0	1.9	1.9	2.0	2.2	2.3	1.1	317.3
80°	1.0	1.0	1.0	1.0	1.1	1.2	1.2	0.6	317.9
85°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.2	318.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.1
95°	38.5	39.5	40.8	33.4	19.8	11.3	7.3	15.3	333.3
100°	73.6	76.4	77.6	63.2	38.2	24.3	17.7	29.3	362.6
105°	112.8	116.5	116.2	94.9	56.9	36.0	28.4	43.3	406.0
110°	149.6	154.1	149.7	120.2	71.3	46.5	38.0	54.6	460.5
115°	180.7	182.6	175.7	135.3	80.0	56.5	46.9	61.6	522.1
120°	202.3	201.8	192.1	139.8	86.1	66.0	55.4	64.5	586.6
125°	214.3	212.9	197.5	138.3	92.3	74.2	64.2	63.9	650.5
130°	219.3	215.8	192.1	134.2	100.0	81.9	73.3	60.9	711.4
135°	219.6	212.9	182.2	132.2	107.8	89.4	82.3	56.6	768.0
140°	212.1	203.0	171.0	134.1	114.6	96.7	91.1	51.1	819.1
145°	196.7	187.5	161.1	138.4	120.7	103.6	99.4	45.0	864.1
150°	178.1	171.8	156.7	140.3	123.2	110.3	107.5	38.6	902.8
155°	167.2	164.0	153.1	140.5	124.7	116.5	115.0	32.4	935.2
160°	157.1	154.9	147.5	136.3	127.1	122.7	121.6	25.9	961.0
165°	145.7	144.1	138.7	133.4	129.1	127.2	127.0	19.1	980.2
170°	136.9	136.4	134.4	132.1	131.3	131.1	131.0	12.7	992.8
175°	133.8	133.6	132.4	132.3	132.9	133.3	133.5	6.4	999.2
180°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	0.8	1000.0

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UGR-Table Standard room		siteco

The UGR formula for this luminaire type cannot be used, see LiTG Publication 20:
"The UGR - Process for Evaluation of Direct Glare of Artificial Lighting in Indoor Rooms"

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2294 B = 61
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C-planes	γ	0° 180°	15°	30°	45°	60°	75°	90° 270°
			165° 195° 345°	150° 210° 330°	135° 225° 315°	120° 240° 300°	105° 255° 285°	
Luminance in cd/m²								
45°		8027.1	9443.8	11744.4	15974.1	18626.1	19012.1	19394.8
50°		4328.1	4913.2	6119.7	7260.5	8256.6	9508.3	10536.8
55°		2960.4	3184.9	3602.1	4109.9	4165.5	4687.3	5493.7
60°		2290.7	2383.0	2525.5	2696.6	2757.5	3187.2	3716.3
65°		1965.7	1999.0	2023.0	2034.4	2128.4	2546.2	2816.4
70°		1724.2	1740.8	1712.7	1681.4	1747.1	2042.9	2140.9
75°		1351.9	1360.8	1340.9	1326.4	1374.6	1548.1	1603.1
80°		1071.1	1073.2	1071.1	1071.1	1119.3	1234.2	1276.3
85°		799.2	787.0	799.2	827.9	868.7	934.2	950.5

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Luminance values in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85°

