
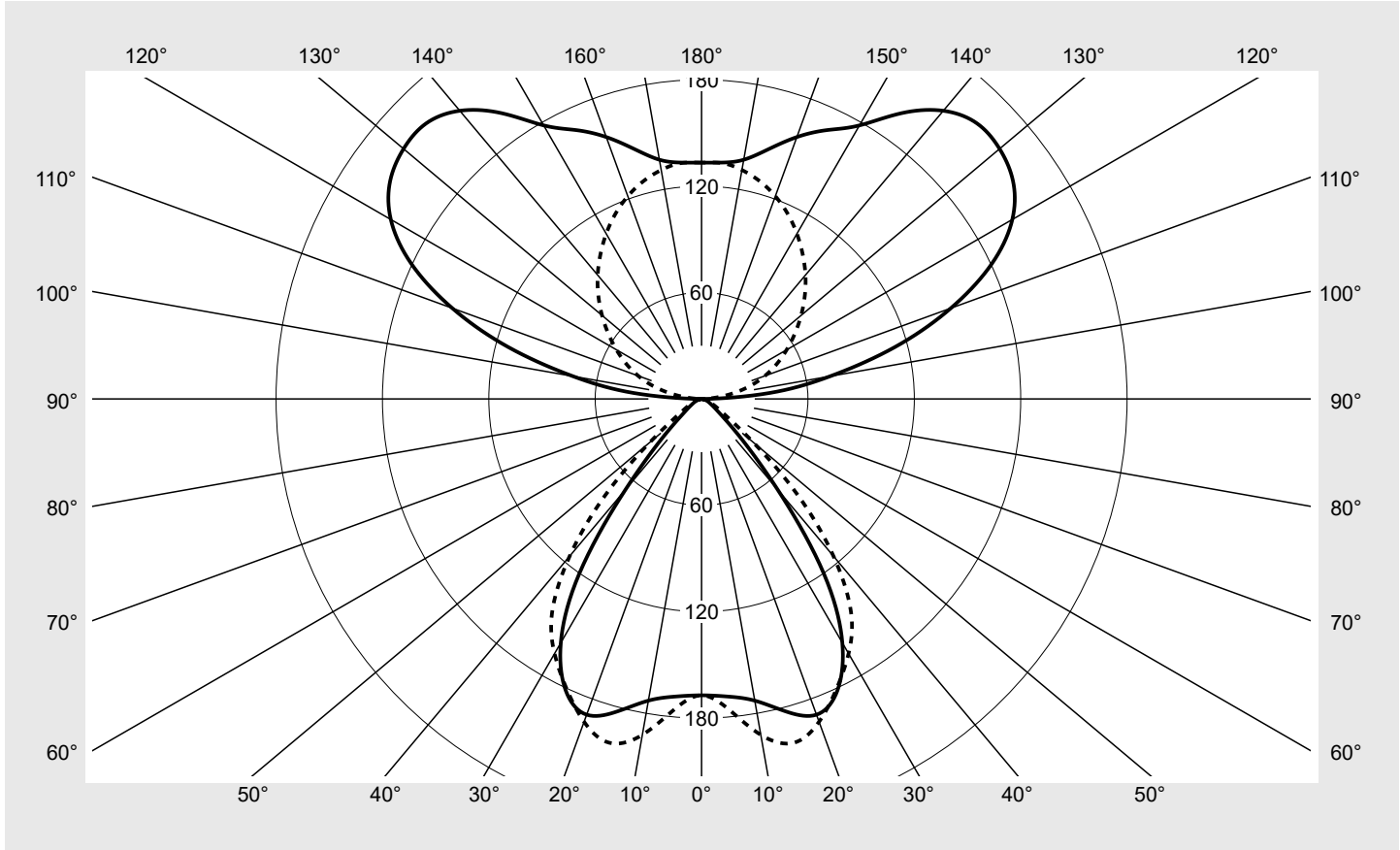


Photometric test report

Family Silica®	Order number: 5MX51BS3WZK00002XX EAN: 4058352370117	LP number 59005_2
	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 = 12460 lm Power consumption = 79.3 W Luminous efficacy = 157.1 lm/W	serial documentation 07.08.2020



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°	167.1	167.1	167.1	167.1	167.1	167.1	167.1	1.0	1.0
5°	168.5	169.1	169.0	171.5	174.0	175.1	175.7	8.2	9.2
10°	172.8	175.5	178.4	184.3	189.1	191.3	192.4	17.5	26.7
15°	182.3	187.0	191.7	198.1	201.1	200.9	200.8	27.7	54.3
20°	189.5	197.1	203.1	204.0	200.1	195.4	193.8	37.2	91.6
25°	181.4	196.0	207.5	203.0	189.8	182.2	180.2	44.8	136.3
30°	158.8	178.1	193.7	192.0	180.2	167.6	165.8	49.1	185.4
35°	120.2	134.8	151.4	165.3	163.0	149.2	147.0	47.0	232.4
40°	66.8	75.9	92.9	115.3	122.1	116.7	115.7	36.1	268.5
45°	31.8	37.5	46.6	63.3	73.9	75.4	76.9	22.7	291.1
50°	15.6	17.7	22.1	26.2	29.8	34.3	38.0	11.0	302.1
55°	9.5	10.2	11.6	13.2	13.4	15.1	17.7	5.8	307.9
60°	6.4	6.7	7.1	7.6	7.7	8.9	10.4	3.7	311.6
65°	4.7	4.7	4.8	4.8	5.0	6.0	6.7	2.6	314.1
70°	3.3	3.3	3.3	3.2	3.4	3.9	4.1	1.8	315.9
75°	2.0	2.0	1.9	1.9	2.0	2.2	2.3	1.1	317.0
80°	1.0	1.0	1.0	1.0	1.1	1.2	1.2	0.6	317.6
85°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.2	317.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	317.8
95°	38.5	39.5	40.8	33.4	19.8	11.3	7.3	15.3	333.1
100°	73.7	76.4	77.6	63.2	38.3	24.3	17.7	29.3	362.4
105°	112.8	116.6	116.2	95.0	57.0	36.0	28.4	43.4	405.7
110°	149.6	154.2	149.8	120.2	71.3	46.5	38.0	54.6	460.3
115°	180.8	182.7	175.7	135.3	80.0	56.5	46.9	61.6	521.9
120°	202.4	201.9	192.2	139.8	86.2	66.0	55.4	64.5	586.4
125°	214.4	213.0	197.6	138.4	92.3	74.3	64.2	64.0	650.4
130°	219.4	215.8	192.2	134.3	100.0	82.0	73.3	60.9	711.3
135°	219.7	212.9	182.3	132.2	107.8	89.5	82.3	56.6	767.9
140°	212.1	203.1	171.1	134.2	114.7	96.7	91.2	51.2	819.0
145°	196.8	187.6	161.2	138.4	120.8	103.7	99.5	45.0	864.1
150°	178.1	171.9	156.8	140.3	123.3	110.4	107.6	38.6	902.7
155°	167.3	164.0	153.1	140.6	124.8	116.5	115.1	32.4	935.2
160°	157.2	155.0	147.6	136.4	127.1	122.8	121.7	25.9	961.0
165°	145.8	144.1	138.8	133.4	129.1	127.2	127.1	19.1	980.2
170°	137.0	136.5	134.4	132.1	131.4	131.2	131.1	12.7	992.8
175°	133.8	133.6	132.5	132.4	133.0	133.3	133.5	6.4	999.2
180°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	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 = 1147 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°		8017.1	9432.0	11729.6	15953.9	18602.6	18988.1	19370.4
50°		4322.8	4906.8	6112.0	7251.5	8246.4	9496.4	10523.4
55°		2956.7	3180.9	3597.5	4104.9	4160.1	4681.4	5486.8
60°		2287.7	2379.9	2522.4	2693.3	2754.2	3183.1	3711.6
65°		1963.2	1996.5	2020.5	2031.9	2125.5	2542.6	2812.7
70°		1721.9	1738.6	1711.0	1679.2	1744.8	2040.6	2138.4
75°		1350.0	1359.6	1339.0	1325.2	1372.7	1546.1	1601.1
80°		1069.6	1071.7	1069.6	1069.6	1117.8	1232.7	1274.8
85°		796.9	786.7	796.9	827.5	866.4	933.8	950.1

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

