
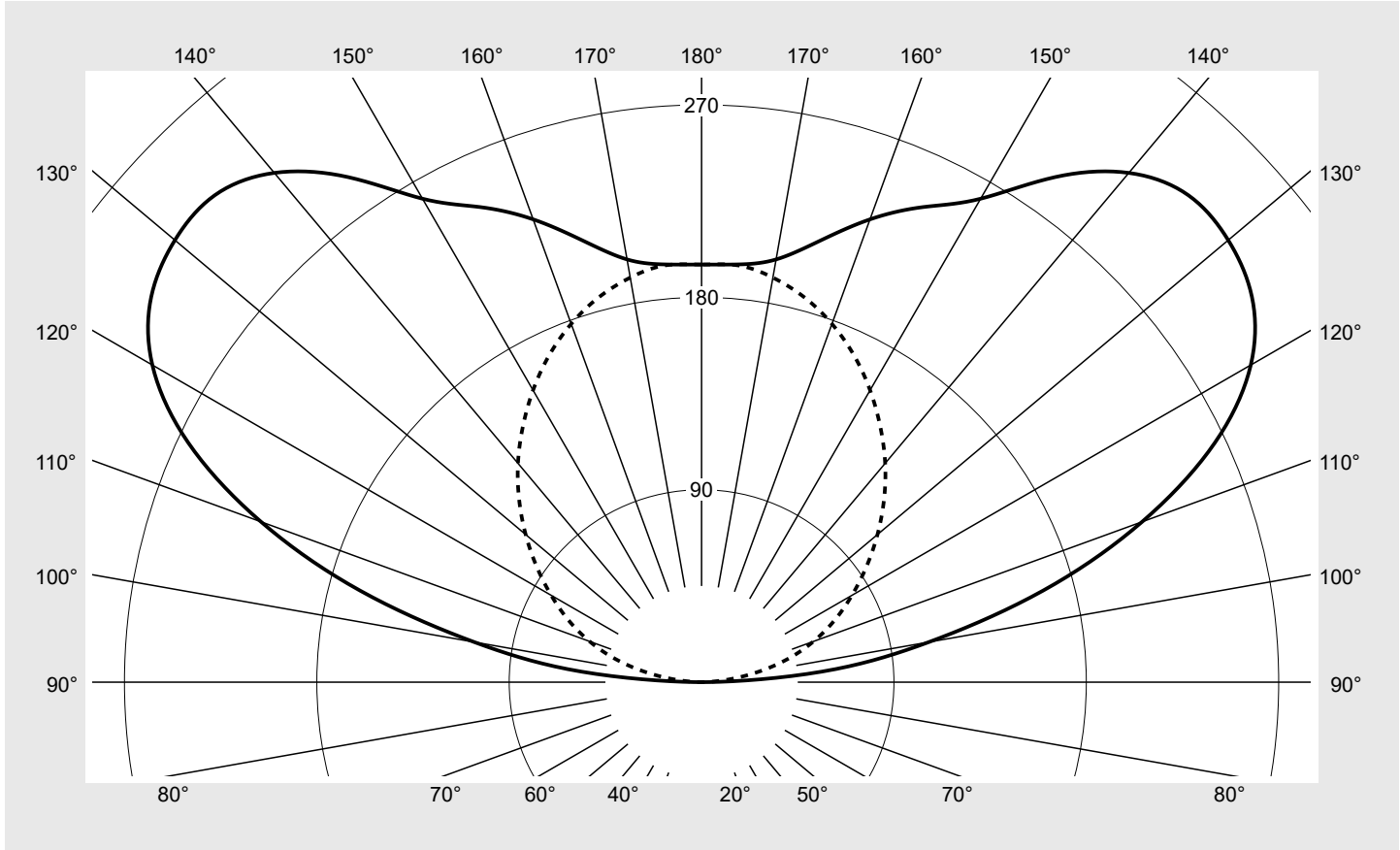


Photometric test report

Family Silica® 	Order number: 5MX51BS8WZK00006XX EAN: 4058352374597	LP number 59001_3
	Version Combined lens and reflector optics, frosted cover, UGR≤19 (L65≤3000cd/m²) Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Setting individual position: only indirect light Rated values Net luminous flux = 17000 lm Power consumption = 106.4 W Luminous efficacy = 159.8 lm/W	serial documentation 06.04.2020



Luminous intensity in cd/klm C180-0 C270-90 **Imax: 322 cd/klm**



Classifications	
DIN 5040	E 1 2
CIE	N1=n. def. N2=n. def. N3=n. def. N4=0 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	0.0%
ϕ_o	100.0%

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° 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
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	56.4	57.9	59.9	48.9	29.0	16.6	10.7	22.4	22.4
100°	108.0	112.0	113.8	92.7	56.1	35.6	25.9	42.9	65.3
105°	165.4	170.9	170.4	139.2	83.5	52.7	41.6	63.6	128.9
110°	219.4	226.0	219.5	176.2	104.6	68.1	55.7	80.0	208.9
115°	265.0	267.8	257.6	198.4	117.3	82.9	68.8	90.3	299.2
120°	296.7	296.0	281.7	205.0	126.3	96.8	81.2	94.5	393.7
125°	314.3	312.2	289.6	202.8	135.3	108.9	94.2	93.8	487.5
130°	321.6	316.4	281.7	196.8	146.7	120.1	107.4	89.3	576.8
135°	322.1	312.1	267.2	193.9	158.1	131.1	120.7	82.9	659.7
140°	311.0	297.7	250.7	196.7	168.1	141.8	133.6	75.0	734.7
145°	288.4	274.9	236.3	202.9	177.0	151.9	145.8	66.0	800.8
150°	261.1	252.0	229.8	205.7	180.7	161.8	157.7	56.6	857.4
155°	245.2	240.4	224.5	206.1	182.9	170.8	168.7	47.6	904.9
160°	230.4	227.2	216.3	199.9	186.3	180.0	178.3	37.9	942.9
165°	213.7	211.3	203.4	195.6	189.3	186.5	186.3	28.0	970.9
170°	200.8	200.1	197.1	193.7	192.6	192.3	192.2	18.6	989.5
175°	196.2	195.9	194.2	194.1	195.0	195.5	195.7	9.3	998.8
180°	195.4	195.4	195.4	195.4	195.4	195.4	195.4	1.2	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"

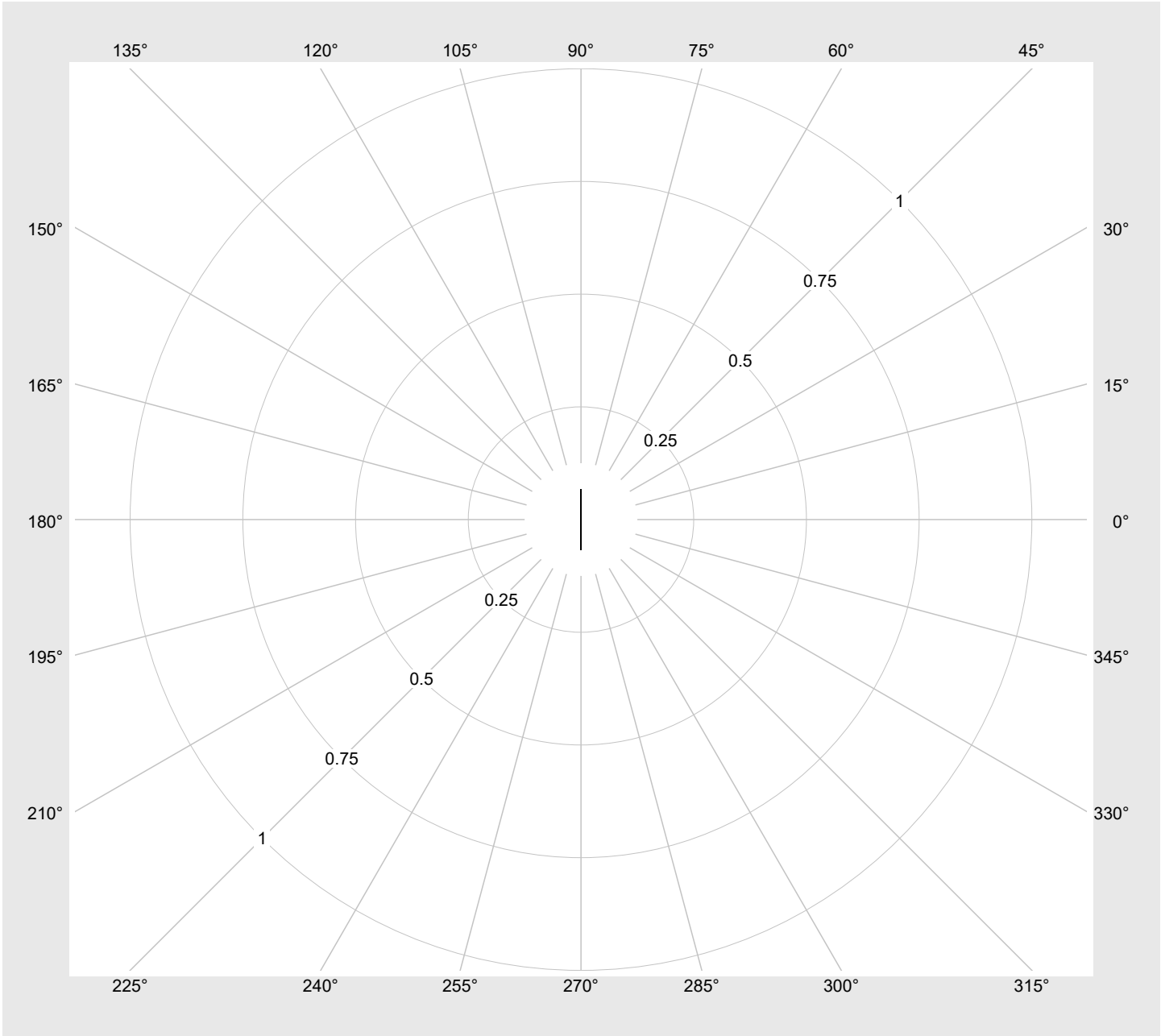
Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm:	L = 2294 B = 61
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C-planes	γ	0°	15°	30°	45°	60°	75°	90°
		180°	165°	150°	135°	120°	105°	270°
		195°	210°	225°	240°	255°	285°	
		345°	330°	315°	300°			
		Luminance in cd/m ²						
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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



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Dimming levels table	environmental temperature: 25°C	sITeco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]
100	254	254	17000	106.4
95	240	252	16147	100.2
90	226	250	15284	94.2
85	213	248	14476	88.7
80	199	245	13594	82.6
75	186	243	12764	77.2
70	173	240	11925	71.6
65	160	237	11081	66.2
60	147	234	10232	60.8
55	134	231	9374	55.5
50	121	227	8508	50.2
45	108	223	7634	44.9
40	96	218	6818	40.1
35	83	213	5926	34.9
30	71	207	5095	30.2
25	59	201	4259	25.3
20	47	192	3415	20.6
15	35	181	2565	16.0
10	23	166	1710	11.2
5	11	139	849	6.6
2	5	110	416	4.1