
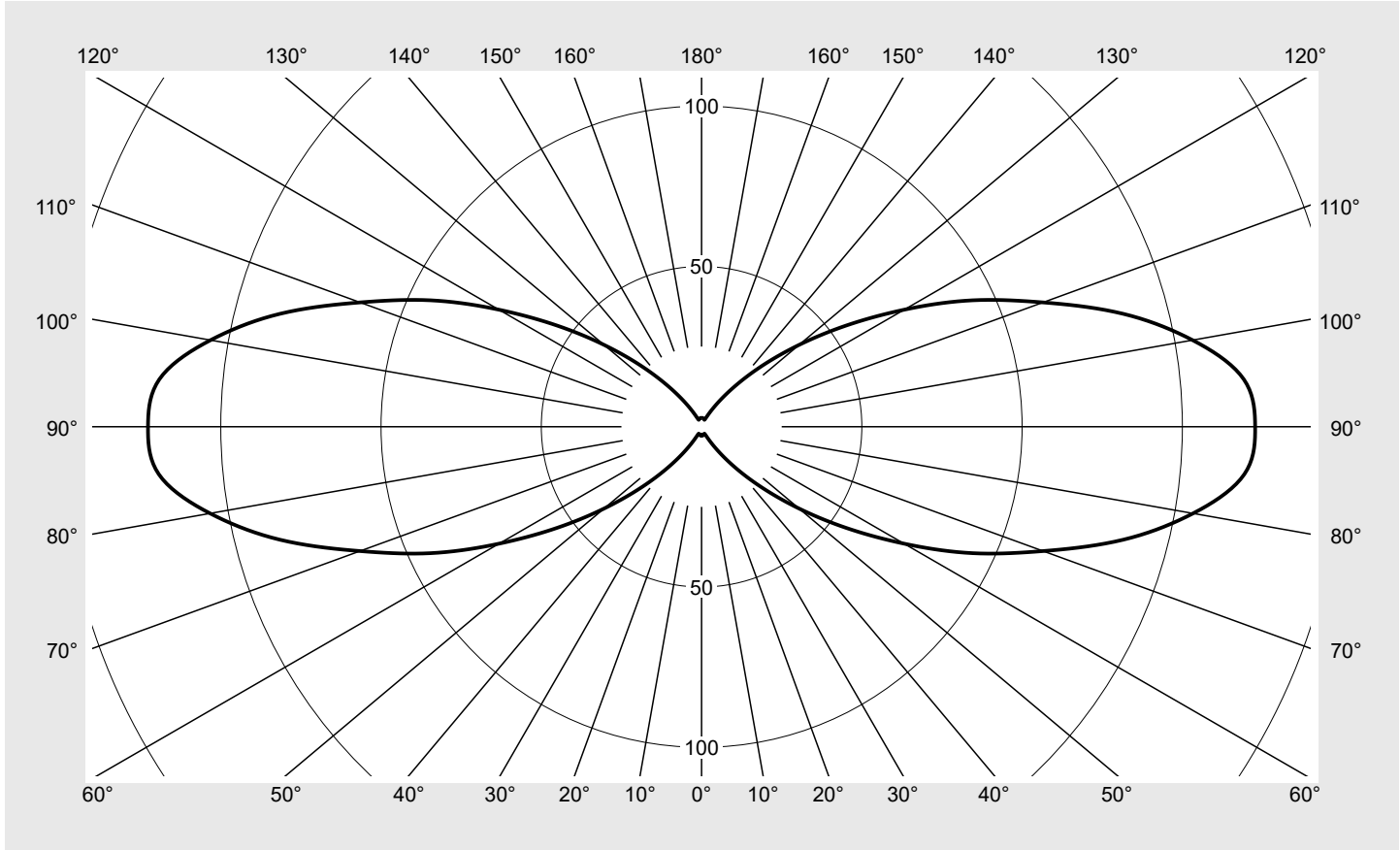


Photometric test report

Family Silica® 21 Ring 	Order number: 5PJBO4D3104A EAN: 4058352959121	LP number 59505_23
	Version suspended luminaire incl. Pendant, black, outer ring side luminous, cover opal, polycarbonate, frosted, diffuse beam Lamps LED 4000 K CRI ≥ 80 Controlgear ECG-DALI Rated values Net luminous flux = 9260 lm Power consumption = 140.0 W Luminous efficacy = 66.1 lm/W	serial documentation 08.11.2023

Luminous intensity in cd/klm C180-0 **Imax: 173 cd/klm**



Classifications	
DIN 5040	C 1 1
CIE	N1=2 N2=16 N3=49 N4=50 N5=100

Luminaire light output ratios	
η_{LB}	100.0%
ϕ_u	50.0%
ϕ_o	50.0%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	2.4	0.0	0.0
5°	2.8	0.1	0.1
10°	2.7	0.3	0.4
15°	2.6	0.4	0.8
20°	2.4	0.4	1.2
25°	2.7	0.6	1.8
30°	5.1	1.4	3.2
35°	10.0	3.1	6.4
40°	17.4	6.1	12.5
45°	27.2	10.5	23.0
50°	39.7	16.7	39.7
55°	55.0	24.7	64.4
60°	72.9	34.6	99.0
65°	93.3	46.4	145.4
70°	113.4	58.4	203.8
75°	136.2	72.1	275.9
80°	155.7	84.0	360.0
85°	170.0	92.8	452.8
90°	172.7	94.7	547.4
95°	169.8	92.7	640.2
100°	155.5	84.0	724.1
105°	136.1	72.1	796.2
110°	113.4	58.4	854.6
115°	93.3	46.4	901.0
120°	73.0	34.7	935.6
125°	55.0	24.7	960.3
130°	39.7	16.7	977.0
135°	27.2	10.5	987.5
140°	17.3	6.1	993.6
145°	10.0	3.1	996.8
150°	5.2	1.4	998.2
155°	2.7	0.6	998.8
160°	2.4	0.4	999.2
165°	2.6	0.4	999.6
170°	2.7	0.3	999.9
175°	2.8	0.1	1000.0
180°	2.6	0.0	1000.0

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UGR-Table	Standard room	siteco
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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	25.3	26.8	26.0	27.6	28.5	25.3	26.8	26.0	27.6	28.5
	3H	30.1	31.5	30.9	32.3	33.2	30.1	31.5	30.9	32.3	33.2
	4H	32.6	33.9	33.3	34.7	35.7	32.6	33.9	33.3	34.7	35.7
	6H	34.9	36.1	35.7	37.0	38.0	34.9	36.1	35.7	37.0	38.0
	8H	35.9	37.1	36.7	37.9	39.0	35.9	37.1	36.7	37.9	39.0
	12H	37.0	38.1	37.8	38.9	40.1	37.0	38.1	37.8	38.9	40.1
4H	2H	26.9	28.2	27.7	29.0	30.0	26.9	28.2	27.7	29.0	30.0
	3H	31.5	32.6	32.3	33.5	34.5	31.5	32.6	32.3	33.5	34.5
	4H	33.9	34.9	34.7	35.8	36.9	33.9	34.9	34.7	35.8	36.9
	6H	36.3	37.2	37.2	38.2	39.3	36.3	37.2	37.2	38.2	39.3
	8H	37.4	38.3	38.3	39.2	40.4	37.4	38.3	38.3	39.2	40.4
	12H	38.5	39.3	39.4	40.2	41.5	38.5	39.3	39.4	40.2	41.5
8H	4H	34.7	35.6	35.6	36.5	37.7	34.7	35.6	35.6	36.5	37.7
	6H	37.2	38.0	38.1	38.9	40.2	37.2	38.0	38.1	38.9	40.2
	8H	38.5	39.2	39.4	40.2	41.4	38.5	39.2	39.4	40.2	41.4
	12H	39.8	40.4	40.7	41.4	42.6	39.8	40.4	40.7	41.4	42.6
12H	4H	34.9	35.7	35.8	36.6	37.9	34.9	35.7	35.8	36.6	37.9
	6H	37.5	38.2	38.4	39.2	40.4	37.5	38.2	38.4	39.2	40.4
	8H	38.9	39.5	39.8	40.5	41.7	38.9	39.5	39.8	40.5	41.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 77	H(C0) = 48 H(C90) = 48	H(C180) = 48 H(C270) = 48
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C-planes	0°
γ	Luminance in cd/m ²
45°	42636.0
50°	63122.6
55°	89343.3
60°	122167.2
65°	162529.7
70°	207288.5
75°	264081.4
80°	324101.6
85°	385066.6

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

