

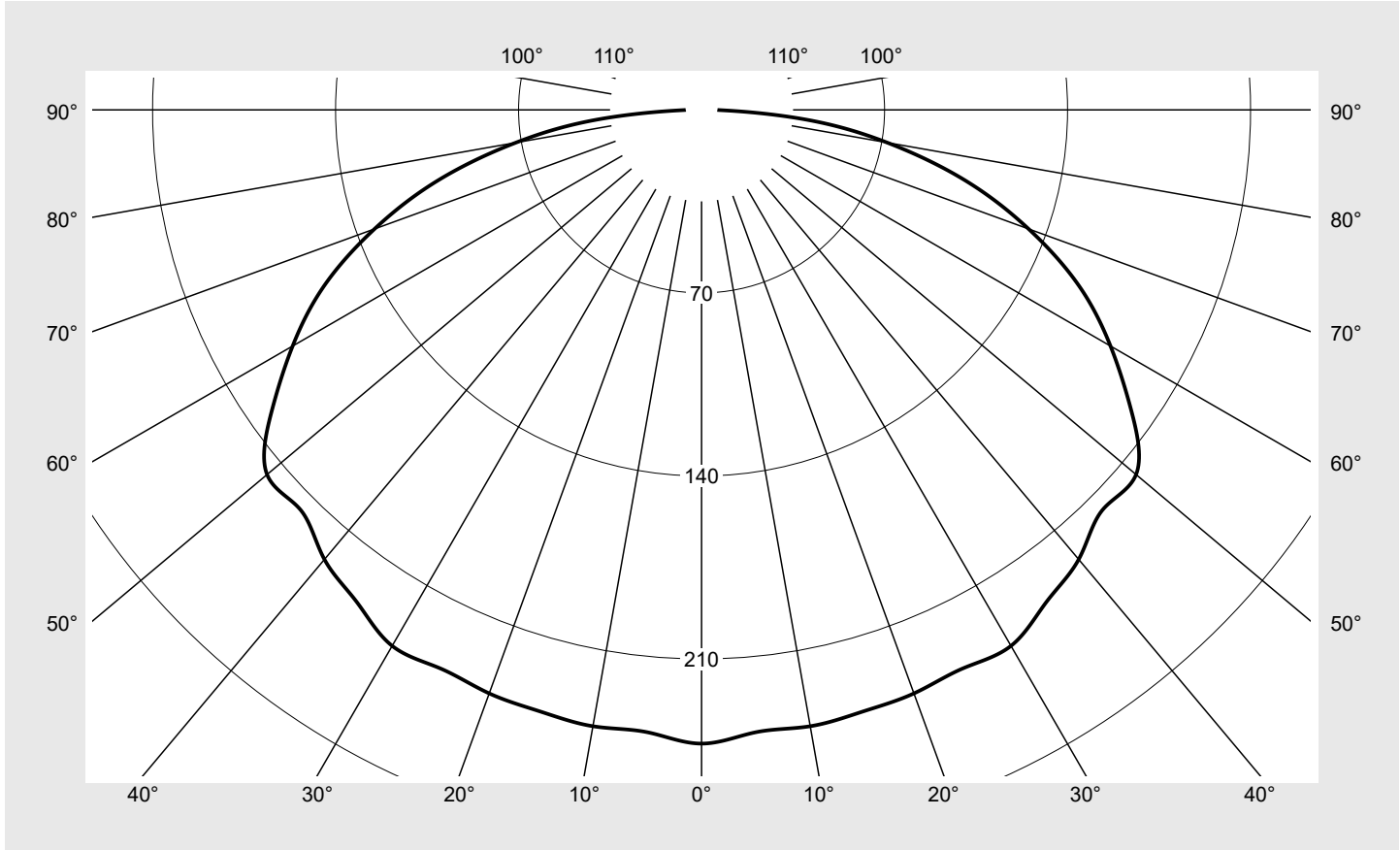


Photometric test report

Family Silica® 21 Ring	Order number: 5PJBD3D1104A EAN: 4058352960110	LP number 59507_2
	Version suspended luminaire incl. Pendant, black, ring underside luminous, cover opal, polycarbonate, frosted, diffuse beam	serial documentation 08.11.2023
	Lamps LED 3000 K CRI ≥ 80	
	Controlgear ECG-DALI	
Rated values Net luminous flux = 8050 lm Power consumption = 94.0 W Luminous efficacy = 85.8 lm/W		

Luminous intensity in cd/klm C180-0 **Imax: 242 cd/klm**



Classifications	
DIN 5040	A 3 0
CIE	N1=37 N2=69 N3=92 N4=100 N5=100

Luminaire light output ratios	
η_{LB}	100.2%
ϕ_u	99.8%
ϕ_o	0.2%

Measurement conditions
 DIN EN 13032 and DIN 5032

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Table of values for luminous intensities	Maximum luminous intensity	sITeco
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C-planes	0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0°	242.4	1.4	1.4
5°	238.9	11.4	12.9
10°	239.4	22.8	35.6
15°	238.2	33.8	69.4
20°	237.5	44.5	114.0
25°	235.8	54.6	168.6
30°	236.7	64.9	233.5
35°	229.9	72.3	305.7
40°	224.4	79.1	384.8
45°	216.7	84.0	468.8
50°	217.0	91.1	559.9
55°	200.7	90.1	650.0
60°	180.6	85.7	735.8
65°	159.3	79.2	814.9
70°	133.1	68.6	883.5
75°	104.5	55.3	938.8
80°	72.1	38.9	977.8
85°	37.7	20.6	998.3
90°	6.0	3.3	1001.7

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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	22.6	24.5	23.0	24.8	25.1	22.6	24.5	23.0	24.8	25.1
	3H	24.9	26.5	25.2	26.9	27.2	24.9	26.5	25.2	26.9	27.2
	4H	25.9	27.4	26.3	27.8	28.2	25.9	27.4	26.3	27.8	28.2
	6H	26.7	28.2	27.1	28.6	28.9	26.7	28.2	27.1	28.6	28.9
	8H	27.1	28.5	27.5	28.9	29.3	27.1	28.5	27.5	28.9	29.3
	12H	27.4	28.7	27.8	29.1	29.5	27.4	28.7	27.8	29.1	29.5
4H	2H	23.6	25.2	24.0	25.5	25.9	23.6	25.2	24.0	25.5	25.9
	3H	26.0	27.4	26.4	27.8	28.2	26.0	27.4	26.4	27.8	28.2
	4H	27.2	28.4	27.6	28.8	29.2	27.2	28.4	27.6	28.8	29.2
	6H	28.2	29.2	28.6	29.7	30.1	28.2	29.2	28.6	29.7	30.1
	8H	28.6	29.6	29.0	30.0	30.5	28.6	29.6	29.0	30.0	30.5
	12H	28.9	29.8	29.4	30.3	30.8	28.9	29.8	29.4	30.3	30.8
8H	4H	27.7	28.7	28.1	29.1	29.6	27.7	28.7	28.1	29.1	29.6
	6H	28.8	29.7	29.3	30.2	30.6	28.8	29.7	29.3	30.2	30.6
	8H	29.4	30.1	29.9	30.6	31.1	29.4	30.1	29.9	30.6	31.1
	12H	29.8	30.5	30.3	31.0	31.5	29.8	30.5	30.3	31.0	31.5
12H	4H	27.8	28.7	28.2	29.1	29.6	27.8	28.7	28.2	29.1	29.6
	6H	29.0	29.7	29.5	30.2	30.7	29.0	29.7	29.5	30.2	30.7
	8H	29.6	30.2	30.1	30.7	31.2	29.6	30.2	30.1	30.7	31.2

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 444	H(C0) = 1 H(C90) = 1	H(C180) = 1 H(C270) = 1
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C-planes	0°
γ	Luminance in cd/m²
45°	15885.7
50°	17490.3
55°	18119.2
60°	18689.1
65°	19483.4
70°	20079.2
75°	20774.4
80°	21253.1
85°	21754.7

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

