

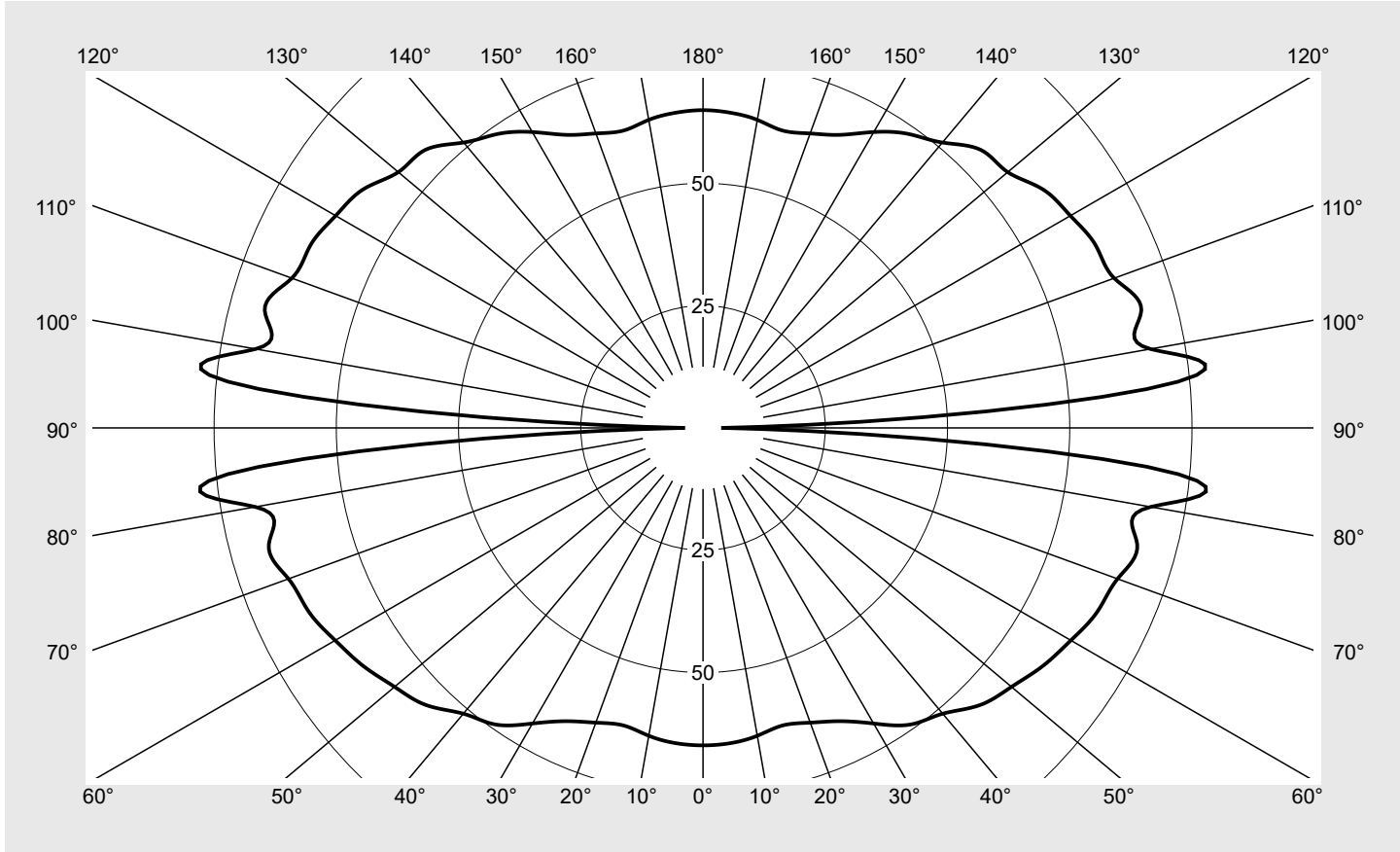


Photometric test report

Family Silica® 21 Ring	Order number: 5PJBI2D3104A EAN: 4058352960318	LP number 59506_17
	Version suspended luminaire incl. Pendant, black, inner ring side luminous, cover opal, polycarbonate, frosted, diffuse beam	serial documentation 08.11.2023
	Lamps LED 4000 K CRI ≥ 80	
	Controlgear ECG-DALI	
Rated values	Net luminous flux = 5040 lm Power consumption = 80.0 W Luminous efficacy = 63 lm/W	

Luminous intensity in cd/klm C180-0 **Imax: 93 cd/klm**



Classifications	
DIN 5040	C 2 2
CIE	N1=22 N2=48 N3=76 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°	64.9	0.4	0.4
5°	64.7	3.1	3.5
10°	63.9	6.1	9.6
15°	63.0	8.9	18.5
20°	64.1	12.0	30.5
25°	66.2	15.3	45.8
30°	69.8	19.1	65.0
35°	74.0	23.3	88.2
40°	76.3	26.9	115.1
45°	80.1	31.1	146.2
50°	82.4	34.6	180.7
55°	84.8	38.1	218.8
60°	86.9	41.2	260.1
65°	89.0	44.2	304.3
70°	90.2	46.5	350.7
75°	91.9	48.7	399.4
80°	93.0	50.2	449.6
85°	91.1	49.8	499.4
90°	3.7	2.0	501.4
95°	91.1	49.7	551.1
100°	92.9	50.2	601.3
105°	92.8	49.1	650.4
110°	89.5	46.1	696.5
115°	88.6	44.0	740.5
120°	86.8	41.2	781.7
125°	84.9	38.1	819.8
130°	81.3	34.2	854.0
135°	80.4	31.1	885.1
140°	76.2	26.8	912.0
145°	73.3	23.1	935.0
150°	69.8	19.1	954.2
155°	66.1	15.3	969.5
160°	64.1	12.0	981.5
165°	62.9	8.9	990.4
170°	63.9	6.1	996.5
175°	64.7	3.1	999.6
180°	65.0	0.4	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	26.1	27.3	26.9	28.1	29.2	26.1	27.3	26.9	28.1	29.2
	3H	28.8	29.8	29.6	30.7	31.9	28.8	29.8	29.6	30.7	31.9
	4H	30.2	31.2	31.1	32.1	33.3	30.2	31.2	31.1	32.1	33.3
	6H	31.6	32.5	32.5	33.4	34.6	31.6	32.5	32.5	33.4	34.6
	8H	32.2	33.1	33.1	34.0	35.2	32.2	33.1	33.1	34.0	35.2
	12H	32.9	33.7	33.9	34.7	35.9	32.9	33.7	33.9	34.7	35.9
4H	2H	27.0	28.0	27.8	28.9	30.0	27.0	28.0	27.8	28.9	30.0
	3H	29.8	30.7	30.7	31.6	32.8	29.8	30.7	30.7	31.6	32.8
	4H	31.4	32.1	32.3	33.1	34.3	31.4	32.1	32.3	33.1	34.3
	6H	32.9	33.6	33.8	34.6	35.8	32.9	33.6	33.8	34.6	35.8
	8H	33.7	34.3	34.6	35.3	36.6	33.7	34.3	34.6	35.3	36.6
	12H	34.5	35.0	35.4	36.0	37.3	34.5	35.0	35.4	36.0	37.3
8H	4H	31.9	32.5	32.8	33.5	34.8	31.9	32.5	32.8	33.5	34.8
	6H	33.7	34.2	34.6	35.2	36.5	33.7	34.2	34.6	35.2	36.5
	8H	34.6	35.1	35.6	36.1	37.5	34.6	35.1	35.6	36.1	37.5
	12H	35.6	36.0	36.6	37.0	38.4	35.6	36.0	36.6	37.0	38.4
12H	4H	32.0	32.5	32.9	33.5	34.8	32.0	32.5	32.9	33.5	34.8
	6H	33.9	34.3	34.9	35.3	36.7	33.9	34.3	34.9	35.3	36.7
	8H	34.9	35.4	35.9	36.4	37.7	34.9	35.4	35.9	36.4	37.7

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 55	H(C0) = 48	H(C180) = 48
			H(C90) = 48	H(C270) = 48

C-planes	0°
γ	Luminance in cd/m²
45°	113854.2
50°	116937.0
55°	121299.2
60°	126018.1
65°	132000.4
70°	138060.3
75°	146401.0
80°	155562.4
85°	161863.3

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

