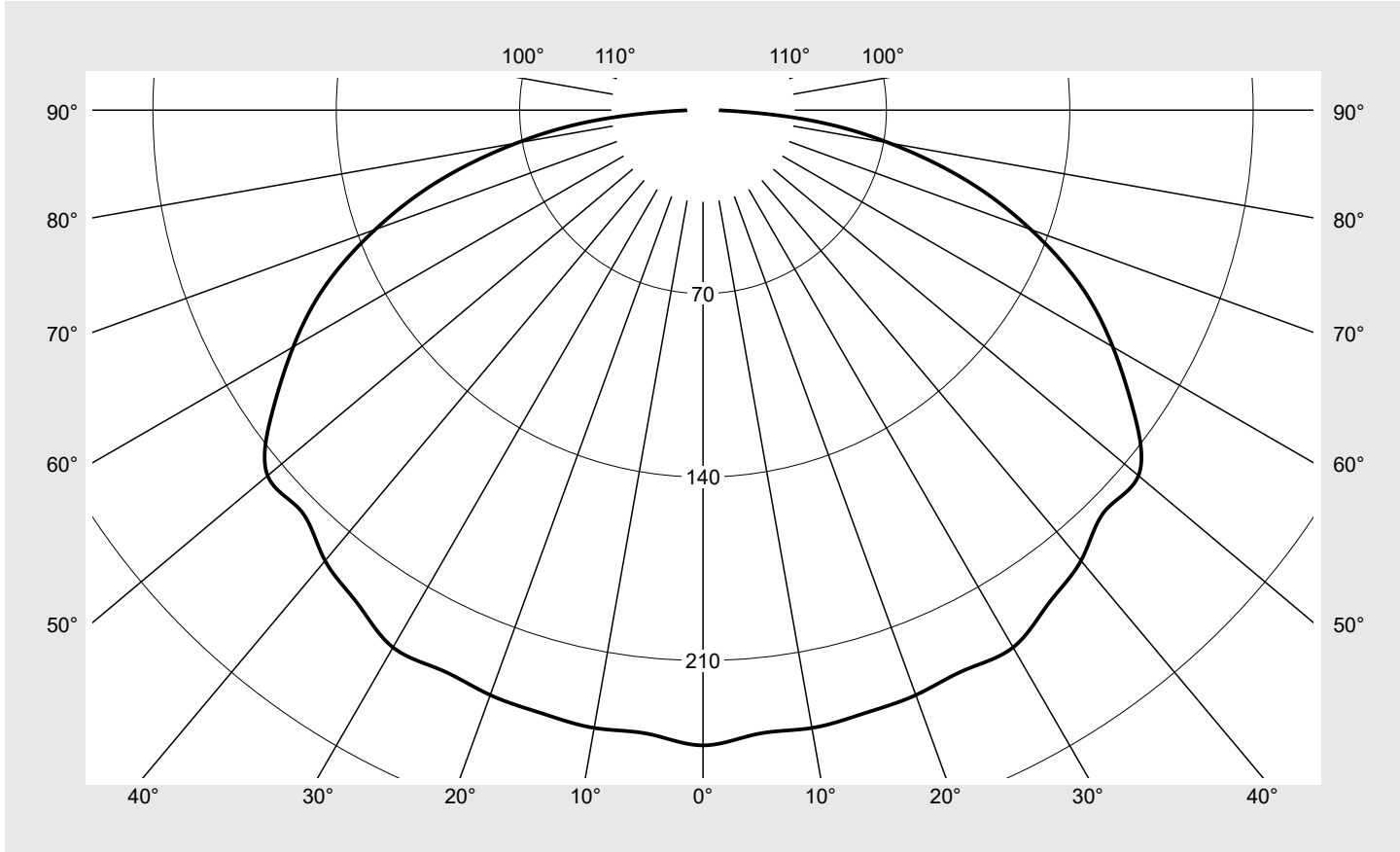


Photometric test report

Family Silica® 21 Ring 	Order number: 5PJBD4D3004A EAN: 4058352960196	LP number 59507_10
	Version suspended luminaire incl. Pendant, white, ring underside 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 = 11350 lm Power consumption = 125.0 W Luminous efficacy = 91 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

Photometric test report

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Table of values for luminous intensities	Maximum luminous intensity	siteco
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C-planes γ	0°	Phi-zone	Total Phi-zone
	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

Photometric test report

Family Silica® 21 Ring	Order number: 5PJBD4D3004A EAN: 4058352960196	LP number 59507_10
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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	22.9	24.7	23.2	25.0	25.3	22.9	24.7	23.2	25.0	25.3
	3H	25.1	26.7	25.5	27.1	27.4	25.1	26.7	25.5	27.1	27.4
	4H	26.1	27.6	26.5	28.0	28.4	26.1	27.6	26.5	28.0	28.4
	6H	26.9	28.4	27.3	28.8	29.2	26.9	28.4	27.3	28.8	29.2
	8H	27.3	28.7	27.7	29.1	29.5	27.3	28.7	27.7	29.1	29.5
	12H	27.6	28.9	28.0	29.3	29.7	27.6	28.9	28.0	29.3	29.7
4H	2H	23.8	25.4	24.2	25.7	26.1	23.8	25.4	24.2	25.7	26.1
	3H	26.2	27.6	26.6	28.0	28.4	26.2	27.6	26.6	28.0	28.4
	4H	27.4	28.6	27.8	29.0	29.4	27.4	28.6	27.8	29.0	29.4
	6H	28.4	29.4	28.8	29.9	30.3	28.4	29.4	28.8	29.9	30.3
	8H	28.8	29.8	29.2	30.2	30.7	28.8	29.8	29.2	30.2	30.7
	12H	29.1	30.0	29.6	30.5	31.0	29.1	30.0	29.6	30.5	31.0
8H	4H	27.9	28.9	28.3	29.3	29.8	27.9	28.9	28.3	29.3	29.8
	6H	29.1	29.9	29.5	30.4	30.9	29.1	29.9	29.5	30.4	30.9
	8H	29.6	30.3	30.1	30.8	31.3	29.6	30.3	30.1	30.8	31.3
	12H	30.0	30.7	30.5	31.2	31.7	30.0	30.7	30.5	31.2	31.7
12H	4H	28.0	28.9	28.5	29.3	29.8	28.0	28.9	28.5	29.3	29.8
	6H	29.2	30.0	29.7	30.4	30.9	29.2	30.0	29.7	30.4	30.9
	8H	29.8	30.4	30.3	30.9	31.5	29.8	30.4	30.3	30.9	31.5

Luminance table	Max. for $\gamma \geq 65^\circ$	Photometric dimensions in mm: D = 512	H(C0) = 1 H(C90) = 1	H(C180) = 1 H(C270) = 1
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C-planes	0°
γ	Luminance in cd/m ²
45°	16849.9
50°	18553.2
55°	19222.1
60°	19829.0
65°	20674.9
70°	21312.0
75°	22058.0
80°	22582.5
85°	23164.0

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Luminance values in cd/m²

γ 65°
 γ 70°
 γ 75°
 γ 80°
 γ 85°

