

## Photometric test report

Family  
**Silica® 21 Ring**



Order number: **5PJBI4D3104A**  
EAN: **4058352960431**

LP number  
**59506\_23**

**Version** suspended luminaire incl. Pendant, black, inner ring side luminous, cover opal, polycarbonate, frosted, diffuse beam

**Lamps** LED 4000 K | CRI ≥ 80

**Controlgear** ECG-DALI

**Rated values** Net luminous flux = 8890 lm  
Power consumption = 140.0 W  
Luminous efficacy = 63.5 lm/W

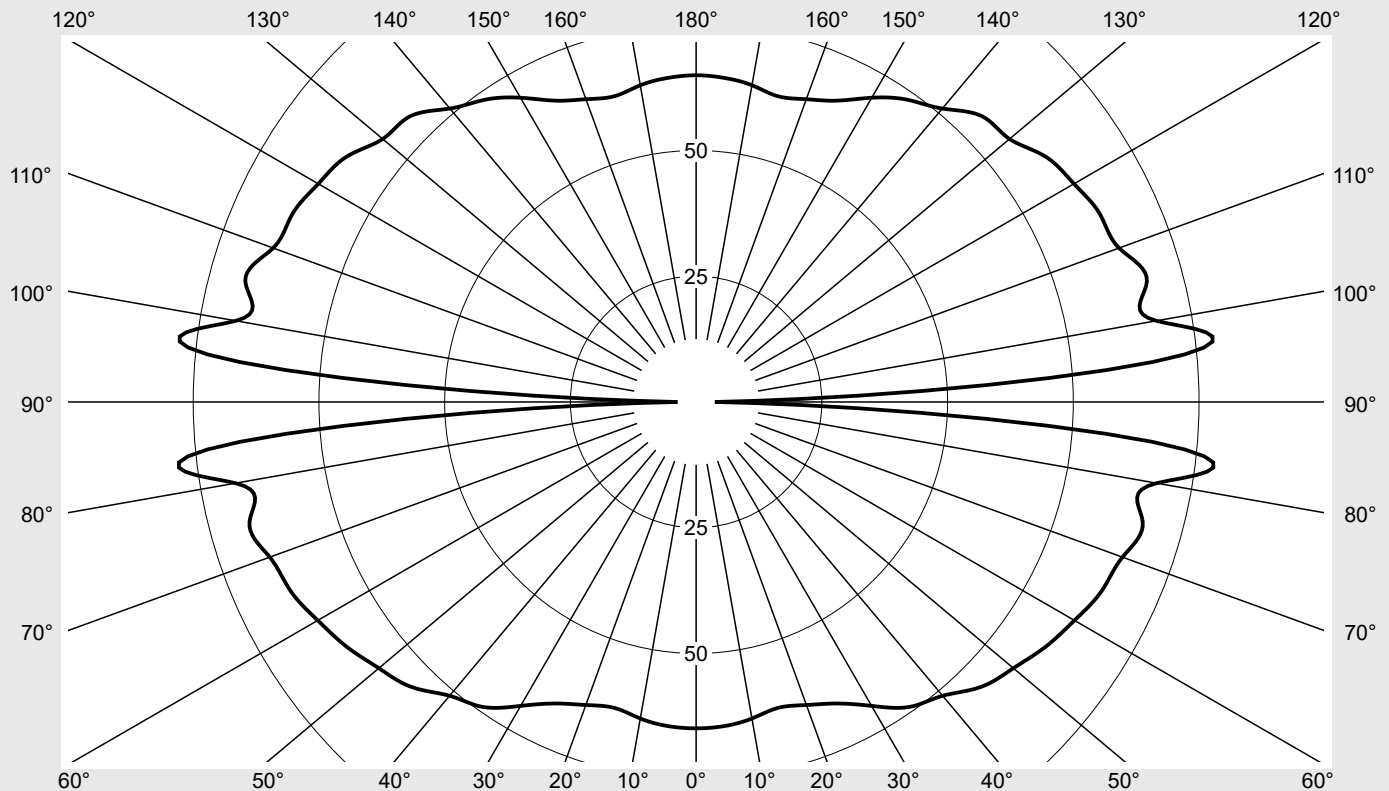
serial  
documentation  
**08.11.2023**

siteco

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

$\eta_{LB}$  100.0%  
 $\phi_u$  50.0%  
 $\phi_o$  50.0%

### Measurement conditions

DIN EN 13032 and DIN 5032

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**sitEco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	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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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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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	26.6	27.7	27.4	28.6	29.7	26.6	27.7	27.4	28.6	29.7
	3H	29.3	30.3	30.1	31.2	32.4	29.3	30.3	30.1	31.2	32.4
	4H	30.8	31.8	31.6	32.7	33.8	30.8	31.8	31.6	32.7	33.8
	6H	32.2	33.1	33.1	34.0	35.2	32.2	33.1	33.1	34.0	35.2
	8H	32.9	33.7	33.8	34.7	35.9	32.9	33.7	33.8	34.7	35.9
	12H	33.6	34.4	34.5	35.4	36.6	33.6	34.4	34.5	35.4	36.6
4H	2H	27.5	28.4	28.3	29.4	30.5	27.5	28.4	28.3	29.4	30.5
	3H	30.4	31.2	31.3	32.2	33.4	30.4	31.2	31.3	32.2	33.4
	4H	32.0	32.7	32.9	33.7	34.9	32.0	32.7	32.9	33.7	34.9
	6H	33.5	34.2	34.5	35.2	36.5	33.5	34.2	34.5	35.2	36.5
	8H	34.3	35.0	35.3	36.0	37.2	34.3	35.0	35.3	36.0	37.2
	12H	35.1	35.7	36.1	36.7	38.0	35.1	35.7	36.1	36.7	38.0
8H	4H	32.5	33.1	33.4	34.1	35.4	32.5	33.1	33.4	34.1	35.4
	6H	34.3	34.9	35.3	35.9	37.2	34.3	34.9	35.3	35.9	37.2
	8H	35.3	35.8	36.3	36.8	38.1	35.3	35.8	36.3	36.8	38.1
	12H	36.3	36.7	37.3	37.8	39.1	36.3	36.7	37.3	37.8	39.1
12H	4H	32.6	33.1	33.5	34.1	35.4	32.6	33.1	33.5	34.1	35.4
	6H	34.5	35.0	35.5	36.0	37.3	34.5	35.0	35.5	36.0	37.3
	8H	35.6	36.0	36.6	37.1	38.4	35.6	36.0	36.6	37.1	38.4

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	Photometric dimensions in mm: D = 75	H(C0) = 48 H(C90) = 48	H(C180) = 48 H(C270) = 48
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C-planes	0°
$\gamma$	Luminance in cd/m <sup>2</sup>
45°	125633.2
50°	130796.8
55°	137565.7
60°	144980.5
65°	154172.8
70°	163880.1
75°	176876.1
80°	191677.3
85°	203959.9

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**Luminance values in cd/m<sup>2</sup>**       $\gamma$  65°      $\gamma$  70°      $\gamma$  75°      $\gamma$  80°      $\gamma$  85°

